Microsoft.Activities.Extensions

Microsoft.Activities.Extensions Namespace

Provides helpers an extensions to classes in the System.Activities namespace
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<td>The workflow episode result.</td>
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<td><strong>WorkflowEpisode</strong></td>
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<td>Base class for workflow episodes</td>
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<td>Result when a workflow episode ends with idle</td>
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<th>Description</th>
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<tbody>
<tr>
<td>XamlAssemblyResolutionOption</td>
<td>The xaml assembly resolution option.</td>
</tr>
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</table>
The activity context extensions.

**Namespace:** [Microsoft.Activities.Extensions](http://www.microsoft.com)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

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</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public static class ActivityContextExtensions</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>&lt;ExtensionAttribute&gt; _&lt;br&gt;Public NotInheritable Class ActivityContextExtensions</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>[ExtensionAttribute]&lt;br&gt;public ref class ActivityContextExtensions abstract</td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

- System.Object
- Microsoft.Activities.Extensions.ActivityContextExtensions
See Also

ActivityContextExtensions Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

ActivityContextExtensions Members

ActivityContextExtensions Class Methods See Also Send Feedback

The ActivityContextExtensions type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GetValue(T)</td>
<td>Gets the value of an argument or the default value if there is no expression</td>
</tr>
</tbody>
</table>
See Also

ActivityContextExtensions Class
Microsoft.Activities.Extensions Namespace
The `ActivityContextExtensions` type exposes the following members.
## Methods

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See Also

ActivityContextExtensions Class
Microsoft.Activities.Extensions Namespace
Gets the value of an argument or the default value if there is no expression

**Namespace:** [Microsoft.Activities.Extensions](#)  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public static T GetValue<T>(
    this ActivityContext context,
    InArgument<T> argument,
    T defaultValue
)
```

### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function GetValue(Of T) ( _
    context As ActivityContext,
    argument As InArgument(Of T), _
    defaultValue As T _
) As T
```

### Visual C++

```cpp
public:
    [ExtensionAttribute]
    generic<typename T>
    static T GetValue(
        ActivityContext^ context,
        InArgument<T>^ argument,
        T defaultValue
    )
```

## Parameters

- **context**
  - Type: `System.Activities.ActivityContext`
  - The context.
argument
Type: System.Activities.InArgument(T)
The argument.

defaultValue
Type: T
The default value.
- **Type Parameters**

  \( T \)

  The type of the argument

- **Return Value**

  the value of an argument or the default value if there is no expression

- **Usage Note**

Remarks

Default values are not supported on InOutArguments because we cannot tell if the value was set by your code or if it is simply the default(T) because no value was set
Examples

An activity that has an optional in argument

C#
/// Gets or sets OptionalArg.
/// </summary>
[DefaultValue(null)]
public InArgument<int> OptionalArg { get; set; }

/// Gets or sets RequiredArg.
/// </summary>
[RequiredArgument]
public InArgument<string> RequiredArg { get; set; }

#region Methods

/// When implemented in a derived class, performs
/// </summary>
/// <returns>
/// The result of the activity’s execution.
/// </returns>
/// <param name="context">The execution context u
protected override string Execute(CodeActivityContext context)
{
    var num = context.GetValue(this.OptionalArg, DefaultOptionalValue);
    return string.Format("{0}: {1}", this.RequiredArg.Get(context), num);
}

#endregion
See Also

ActivityContextExtensions Class
ActivityContextExtensions Members
Microsoft.Activities.Extensions Namespace
Diagnostic class with methods to output activities serialized as XAML

**Namespace**: Microsoft.Activities.Extensions

**Assembly**: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

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<tr>
<th>Language</th>
<th>Code</th>
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<tbody>
<tr>
<td>C#</td>
<td><code>public static class ActivityXamlServicesEx</code></td>
</tr>
<tr>
<td>Visual Basic</td>
<td><code>Public NotInheritable Class ActivityXamlServicesEx</code></td>
</tr>
<tr>
<td>Visual C++</td>
<td><code>public ref class ActivityXamlServicesEx abstract sealed</code></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.ActivityXamlServicesEx
See Also

ActivityXamlServicesEx Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

ActivityXamlServicesEx Members

ActivityXamlServicesEx Class Methods See Also Send Feedback

The ActivityXamlServicesEx type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WriteToFile</td>
<td>Writes an activity to a XAML file</td>
</tr>
<tr>
<td>WriteToStream</td>
<td>Writes an activity to a stream</td>
</tr>
<tr>
<td>WriteToString</td>
<td>Writes an activity to a string</td>
</tr>
</tbody>
</table>
See Also

ActivityXamlServicesEx Class
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

ActivityXamlServicesEx Methods

See Also Send Feedback

The ActivityXamlServicesEx type exposes the following members.
## Methods

<table>
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<tr>
<th>Name</th>
<th>Description</th>
</tr>
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<tr>
<td>WriteToFile</td>
<td>Writes an activity to a XAML file</td>
</tr>
<tr>
<td>WriteToStream</td>
<td>Writes an activity to a stream</td>
</tr>
<tr>
<td>WriteToString</td>
<td>Writes an activity to a string</td>
</tr>
</tbody>
</table>
See Also

ActivityXamlServicesEx Class
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

ActivityXamlServicesEx.WriteToFile Method

See Also
Send Feedback

Writes an activity to a XAML file

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

**C#**

```csharp
public static void WriteToFile(
    Activity activity,
    string fileName
)
```

**Visual Basic**

```vbnet
Public Shared Sub WriteToFile (_,
    activity As Activity, _,
    fileName As String _
)
```

**Visual C++**

```cpp
public:
    static void WriteToFile(
        Activity^ activity,
        String^ fileName
    )
```

## Parameters

- **activity**
  - Type: `System.Activities.Activity`
  - The activity to write to file

- **fileName**
  - Type: `System.String`
  - The name of the file
See Also

ActivityXamlServicesEx Class
ActivityXamlServicesEx Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

ActivityXamlServicesEx.WriteToStream Method

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public static void WriteToStream(
    Activity activity,
    Stream stream
)
```

Visual Basic

```vbnet
Public Shared Sub WriteToStream ( _
    activity As Activity, _
    stream As Stream _
)
```

Visual C++

```csharp
public:
static void WriteToStream(
    Activity^ activity,
    Stream^ stream
)
```

Parameters

- `activity`
  Type: `System.Activities.Activity`
  The activity to write

- `stream`
  Type: `System.IO.Stream`
  The stream to write to
See Also

ActivityXamlServicesEx Class
ActivityXamlServicesEx Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

ActivityXamlServicesEx.WriteString Method

Writes an activity to a string

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Syntax</th>
</tr>
</thead>
</table>
| **C#**   | ```
public static string WriteToString(
    Activity activity
)
``` |
| **Visual Basic** | ```
Public Shared Function WriteToString(_
    activity As Activity_
) As String
``` |
| **Visual C++** | ```
public:
static String^ WriteToString(_
    Activity^ activity
)
``` |

### Parameters

- **activity**
  - Type: `System.Activities.Activity`
  - The activity to write

### Return Value

The activity serialized as XAML
See Also

ActivityXamlServicesEx Class
ActivityXamlServicesEx Members
Microsoft.Activities.Extensions Namespace
The bookmark resumption exception.

**Namespace:** [Microsoft.Activities.Extensions](https://docs.microsoft.com/en-us/dotnet/api/microsoft.activities.extensions)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### C#

```csharp
[SerializableAttribute]
public class BookmarkResumptionException : Exception
```

### Visual Basic

```vbnet
<SerializableAttribute> _
Public Class BookmarkResumptionException _
    Inherits Exception
```

### Visual C++

```cpp
[SerializableAttribute]
public ref class BookmarkResumptionException : public
```
Inheritance Hierarchy

System.Object
System.Exception
Microsoft.Activities.Extensions.BookmarkResumptionException
See Also

BookmarkResumptionException Members
Microsoft.Activities.Extensions Namespace
The BookmarkResumptionException type exposes the following members.
## Constructors

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<th>Name</th>
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<tr>
<td><strong>BookmarkResumptionException(SerializationInfo, StreamingContext)</strong></td>
<td>Initializes a new instance of the BookmarkResumption class.</td>
</tr>
<tr>
<td><strong>BookmarkResumptionException(String, BookmarkResumptionResult, String)</strong></td>
<td>Initializes a new instance of the BookmarkResumption class.</td>
</tr>
<tr>
<td><strong>BookmarkResumptionException(String, BookmarkResumptionResult, String, Exception)</strong></td>
<td>Initializes a new instance of the BookmarkResumption class.</td>
</tr>
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</table>
### Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
</table>
| **Equals**         | Determines whether the specified [Object](https://docs.microsoft.com/en-us/dotnet/api/system.object) is equal to the current [Object](https://docs.microsoft.com/en-us/dotnet/api/system.object).  
(Inherited from [Object](https://docs.microsoft.com/en-us/dotnet/api/system.object).) |
| **Finalize**       | Allows an [Object](https://docs.microsoft.com/en-us/dotnet/api/system.object) to attempt to free resources and perform other cleanup operations before the [Object](https://docs.microsoft.com/en-us/dotnet/api/system.object) is reclaimed by garbage collection.  
(Inherited from [Object](https://docs.microsoft.com/en-us/dotnet/api/system.object).) |
| **GetBaseException** | When overridden in a derived class, returns the [Exception](https://docs.microsoft.com/en-us/dotnet/api/system.exception) that is the root cause of one or more subsequent exceptions.  
(Inherited from [Exception](https://docs.microsoft.com/en-us/dotnet/api/system.exception).) |
| **GetHashCode**    | Serves as a hash function for a particular type.  
(Inherited from [Object](https://docs.microsoft.com/en-us/dotnet/api/system.object).) |
| **GetObjectData**  | When overridden in a derived class, sets the [SerializationInfo](https://docs.microsoft.com/en-us/dotnet/api/system.serialization.serializationinfo) with information about the exception.  
(Overrides [Exception.GetObjectData](https://docs.microsoft.com/en-us/dotnet/api/system.exception.getobjectdata)(SerializationInfo, StreamingContext).) |
| **GetType**        | Gets the runtime type of the current instance.  
(Inherited from [Exception](https://docs.microsoft.com/en-us/dotnet/api/system.exception).) |
| **MemberwiseClone** | Creates a shallow copy of the current [Object](https://docs.microsoft.com/en-us/dotnet/api/system.object).  
(Inherited from [Object](https://docs.microsoft.com/en-us/dotnet/api/system.object).) |
| **ToString**       | Creates and returns a string representation of the current exception.  
(Inherited from [Exception](https://docs.microsoft.com/en-us/dotnet/api/system.exception).) |
Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td><strong>BookmarkName</strong></td>
<td>Gets the Bookmark Name that failed to resume</td>
</tr>
<tr>
<td><strong>Data</strong></td>
<td>Gets a collection of key/value pairs that provide additional user-defined information about the exception. (Inherited from Exception.)</td>
</tr>
<tr>
<td><strong>HelpLink</strong></td>
<td>Gets or sets a link to the help file associated with this exception. (Inherited from Exception.)</td>
</tr>
<tr>
<td><strong>HResult</strong></td>
<td>Gets or sets HRESULT, a coded numerical value that is assigned to a specific exception. (Inherited from Exception.)</td>
</tr>
<tr>
<td><strong>InnerException</strong></td>
<td>Gets the Exception instance that caused the current exception. (Inherited from Exception.)</td>
</tr>
<tr>
<td><strong>Message</strong></td>
<td>Gets a message that describes the current exception. (Inherited from Exception.)</td>
</tr>
<tr>
<td><strong>Result</strong></td>
<td>Gets the BookmarkResumptionResult</td>
</tr>
<tr>
<td><strong>Source</strong></td>
<td>Gets or sets the name of the application or the object that causes the error. (Inherited from Exception.)</td>
</tr>
<tr>
<td><strong>StackTrace</strong></td>
<td>Gets a string representation of the immediate frames on the call stack. (Inherited from Exception.)</td>
</tr>
<tr>
<td><strong>TargetSite</strong></td>
<td>Gets the method that throws the current exception. (Inherited from Exception.)</td>
</tr>
</tbody>
</table>
### Events

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SerializeObjectState</td>
<td>Occurs when an exception is serialized to create an exception state object that contains serialized data about the exception. (Inherited from Exception.)</td>
</tr>
</tbody>
</table>
See Also

BookmarkResumptionException Class
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

BookmarkResumptionException Constructor

See Also Send Feedback
## Overload List

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<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>BookmarkResumptionException(SerializationInfo, StreamingContext)</code></td>
<td>Initializes a new instance of the <code>BookmarkResumptionException</code> class.</td>
</tr>
<tr>
<td><code>BookmarkResumptionException(String, BookmarkResumptionResult, String)</code></td>
<td>Initializes a new instance of the <code>BookmarkResumptionException</code> class.</td>
</tr>
<tr>
<td><code>BookmarkResumptionException(String, BookmarkResumptionResult, String, Exception)</code></td>
<td>Initializes a new instance of the <code>BookmarkResumptionException</code> class.</td>
</tr>
</tbody>
</table>
See Also

BookmarkResumptionException Class
BookmarkResumptionException Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

BookmarkResumptionException Constructor (SerializationInfo, StreamingContext)

See Also: BookmarkResumptionException Class

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td>`public BookmarkResumptionException(</td>
<td>`Public Sub New ( _</td>
<td>`public: BookmarkResumptionException(</td>
</tr>
<tr>
<td>SerializationInfo info,</td>
<td>info As SerializationInfo, _</td>
<td>SerializationInfo^ info,</td>
</tr>
<tr>
<td>StreamingContext context</td>
<td>context As StreamingContext _</td>
<td>StreamingContext context</td>
</tr>
<tr>
<td>)</td>
<td>)</td>
<td>)</td>
</tr>
</tbody>
</table>

### Parameters

- **info**
  Type: `System.Runtime.Serialization.SerializationInfo`
  The serialization info.

- **context**
  Type: `System.Runtime.Serialization.StreamingContext`
  The context.
See Also

BookmarkResumptionException Class
BookmarkResumptionException Members
BookmarkResumptionException Overload
Microsoft.Activities.Extensions Namespace
Initializes a new instance of the `BookmarkResumptionException` class.

**Namespace:** Microsoft.Activities.Extensions  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public BookmarkResumptionException(
    string bookmarkName,
    BookmarkResumptionResult result,
    string message
)
```

#### Visual Basic

```vbnet
Public Sub New (
    bookmarkName As String,
    result As BookmarkResumptionResult,
    message As String
)
```

#### Visual C++

```c++
public:
BookmarkResumptionException(
    String^ bookmarkName,
    BookmarkResumptionResult result,
    String^ message
)
```

### Parameters

- **bookmarkName**
  
  *Type:* System.String
  
  The bookmark Name.

- **result**
  
  *Type:* System.Activities.BookmarkResumptionResult
  
  The result.
message
Type: System.String
The message.
See Also

- BookmarkResumptionException Class
- BookmarkResumptionException Members
- BookmarkResumptionException Overload
- Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

BookmarkResumptionException Constructor (String, BookmarkResumptionResult, String, Exception)

See Also: BookmarkResumptionException Class  Send Feedback

Initializes a new instance of the BookmarkResumptionException class.

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
</table>
| **C#** | ```
public BookmarkResumptionException(
    string bookmarkName,
    BookmarkResumptionResult result,
    string message,
    Exception innerException
)
``` |
| **Visual Basic** | ```
Public Sub New ( 
    bookmarkName As String, 
    result As BookmarkResumptionResult, 
    message As String, 
    innerException As Exception
)
``` |
| **Visual C++** | ```
public:
BookmarkResumptionException(
    String^ bookmarkName,
    BookmarkResumptionResult result,
    String^ message,
    Exception^ innerException
)
``` |

### Parameters

*bookmarkName*

Type: `System.String`

The bookmark Name.
result
Type: System.Activities.BookmarkResumptionResult
The result.

message
Type: System.String
The message.

innerException
Type: System.Exception
The inner Exception.
See Also

BookmarkResumptionException Class
BookmarkResumptionException Members
BookmarkResumptionException Overload
Microsoft.Activities.Extensions Namespace
The `BookmarkResumptionException` type exposes the following members.
## Methods

<table>
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<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Equals</strong></td>
<td>Determines whether the specified <a href="#">Object</a> is equal to the current <a href="#">Object</a>. (Inherited from <a href="#">Object</a>.)</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows an <a href="#">Object</a> to attempt to free resources and perform other cleanup operations before the <a href="#">Object</a> is reclaimed by garbage collection. (Inherited from <a href="#">Object</a>.)</td>
</tr>
<tr>
<td><strong>GetBaseException</strong></td>
<td>When overridden in a derived class, returns the <a href="#">Exception</a> that is the root cause of one or more subsequent exceptions. (Inherited from <a href="#">Exception</a>.)</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Serves as a hash function for a particular type. (Inherited from <a href="#">Object</a>.)</td>
</tr>
<tr>
<td><strong>GetObjectData</strong></td>
<td>When overridden in a derived class, sets the <a href="#">SerializationInfo</a> with information about the exception. (Overrides <a href="#">Exception.GetObjectData(SerializationInfo, StreamingContext)</a>.)</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the runtime type of the current instance. (Inherited from <a href="#">Exception</a>.)</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current <a href="#">Object</a>. (Inherited from <a href="#">Object</a>.)</td>
</tr>
<tr>
<td><strong>ToString</strong></td>
<td>Creates and returns a string representation of the current exception. (Inherited from <a href="#">Exception</a>.)</td>
</tr>
</tbody>
</table>
See Also

BookmarkResumptionException Class
Microsoft.Activities.Extensions Namespace
When overridden in a derived class, sets the `SerializationInfo` with information about the exception.

**Namespace:** Microsoft.Activities.Extensions
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
</table>
| C#       | public override void GetObjectData(
|          |    SerializationInfo info,
|          |    StreamingContext context |
|          | ) |
| Visual Basic | Public Overrides Sub GetObjectData ( _
|              |    info As SerializationInfo, _
|              |    context As StreamingContext _
|              | ) |
| Visual C++ | public:
|            |    virtual void GetObjectData(
|            |        SerializationInfo^ info,
|            |        StreamingContext context |
|            |    ) override |

### Parameters

**info**
Type: System.Runtime.Serialization.SerializationInfo
The SerializationInfo that holds the serialized object data about the exception being thrown.

**context**
Type: System.Runtime.Serialization.StreamingContext
The StreamingContext that contains contextual information about the source or destination.
Implements

ISerializable.GetObjectData(SerializationInfo, StreamingContext)

_Exception.GetObjectData(SerializationInfo, StreamingContext)
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>System.ArgumentNullException</code></td>
<td>The <em>info</em> parameter is a null reference (Nothing in Visual Basic).</td>
</tr>
</tbody>
</table>
See Also

BookmarkResumptionException Class
BookmarkResumptionException Members
Microsoft.Activities.Extensions Namespace
The `BookmarkResumptionException` type exposes the following members.
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BookmarkName</strong></td>
<td>Gets the Bookmark Name that failed to resume</td>
</tr>
<tr>
<td><strong>Data</strong></td>
<td>Gets a collection of key/value pairs that provide additional user-defined information about the exception. (Inherited from Exception.)</td>
</tr>
<tr>
<td><strong>HelpLink</strong></td>
<td>Gets or sets a link to the help file associated with this exception.</td>
</tr>
<tr>
<td><strong>HResult</strong></td>
<td>Gets or sets HRESULT, a coded numerical value that is assigned to a specific exception. (Inherited from Exception.)</td>
</tr>
<tr>
<td><strong>InnerException</strong></td>
<td>Gets the Exception instance that caused the current exception.</td>
</tr>
<tr>
<td><strong>Message</strong></td>
<td>Gets a message that describes the current exception.</td>
</tr>
<tr>
<td><strong>Result</strong></td>
<td>Gets the BookmarkResumptionResult</td>
</tr>
<tr>
<td><strong>Source</strong></td>
<td>Gets or sets the name of the application or the object that causes the error. (Inherited from Exception.)</td>
</tr>
<tr>
<td><strong>StackTrace</strong></td>
<td>Gets a string representation of the immediate frames on the call stack.</td>
</tr>
<tr>
<td><strong>TargetSite</strong></td>
<td>Gets the method that throws the current exception.</td>
</tr>
</tbody>
</table>
See Also

 BookmarkResumptionException Class
 Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

**BookmarkResumptionException.BookmarkName Property**

Gets the Bookmark Name that failed to resume

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>C#</td>
<td>public string BookmarkName { get; private set; }</td>
</tr>
</tbody>
</table>
| Visual Basic | Public Property BookmarkName As String  
|            | Get  
|            | Private Set                                                          |
| Visual C++ | public: property String^ BookmarkName {  
|            | String^ get ();  
|            | private: void set (String^ value);                                  |
See Also

- BookmarkResumptionException Class
- BookmarkResumptionException Members
- Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

BookmarkResumptionException.Result Property

Gets the BookmarkResumptionResult

**Namespace:** [Microsoft.Activities.Extensions](https://msdn.microsoft.com)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public BookmarkResumptionResult Result { get; private; }
```

### Visual Basic

```vbnet
Public Property Result As BookmarkResumptionResult
    Get
        Private Set
    End Property
```

### Visual C++

```cpp
public:
    property BookmarkResumptionResult Result {
        BookmarkResumptionResult get ;
        private: void set (BookmarkResumptionResult);
    }
```
See Also

BookmarkResumptionException Class
BookmarkResumptionException Members
Microsoft.Activities.Extensions Namespace
The **BookmarkResumptionException** type exposes the following members.
### Events

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>SerializeObjectState</code></td>
<td>Occurs when an exception is serialized to create an exception state object</td>
</tr>
<tr>
<td></td>
<td>that contains serialized data about the exception.</td>
</tr>
<tr>
<td></td>
<td>(Inherited from <code>Exception</code>.)</td>
</tr>
</tbody>
</table>
See Also

- BookmarkResumptionException Class
- Microsoft.Activities.Extensions Namespace
Extensions to the CodeActivityMetadata class

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public static class CodeActivityMetadataExtensions</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>&lt;ExtensionAttribute&gt;  __</td>
</tr>
<tr>
<td></td>
<td>Public NotInheritable Class CodeActivityMetadataExtensions</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>[ExtensionAttribute]</td>
</tr>
<tr>
<td></td>
<td>public ref class CodeActivityMetadataExtensions  abstract</td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
See Also

CodeActivityMetadataExtensions Members
Microsoft.Activities.Extensions Namespace
The `CodeActivityMetadataExtensions` type exposes the following members.
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AddAndBindArgument</td>
<td>Adds and binds and argument in one step</td>
</tr>
</tbody>
</table>
See Also

- CodeActivityMetadataExtensions Class
- Microsoft.Activities.Extensions Namespace
The **CodeActivityMetadataExtensions** type exposes the following members.
## Methods

<table>
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<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AddAndBindArgument</td>
<td>Adds and binds and argument in one step</td>
</tr>
</tbody>
</table>
See Also

CodeActivityMetadataExtensions Class
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

CodeActivityMetadataExtensions.AddAndBindArgument Method

CodeActivityMetadataExtensions Class  See Also  Send Feedback

Adds and binds and argument in one step

**Namespace:** Microsoft.Activities.Extensions  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
### Parameters

- **metadata**
  - Type: `System.Activities.CodeActivityMetadata`
  - The activity metadata

- **binding**
Type: System.Activities.Argument
The argument to bind

*argument*
Type: System.Activities.RuntimeArgument
The runtime argument

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type CodeActivityMetadata. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

CodeActivityMetadataExtensions Class
CodeActivityMetadataExtensions Members
Microsoft.Activities.Extensions Namespace
The in argument extensions.

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>C#</td>
<td><code>public static class InArgumentExtensions</code></td>
</tr>
<tr>
<td>Visual Basic</td>
<td><code>&lt;ExtensionAttribute&gt; _ Public NotInheritable Class InArgumentExtensions</code></td>
</tr>
<tr>
<td>Visual C++</td>
<td><code>[ExtensionAttribute] public ref class InArgumentExtensions abstract sealed</code></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.InArgumentExtensions
See Also

InArgumentExtensions Members
Microsoft.Activities.Extensions Namespace
The `InArgumentExtensions` type exposes the following members.
# Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>®</td>
<td>Get(T)</td>
</tr>
</tbody>
</table>
See Also

InArgumentExtensions Class
Microsoft.Activities.Extensions Namespace
The `InArgumentExtensions` type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>⚖️ Get(T)</td>
<td>Gets the value of an argument or the default value if there is no expression</td>
</tr>
</tbody>
</table>
See Also

InArgumentExtensions Class
Microsoft.Activities.Extensions Namespace
Gets the value of an argument or the default value if there is no expression

**Namespace:** Microsoft.Activities.Extensions
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```
public static T Get<T>(
    this InArgument<T> argument,
    ActivityContext context,
    T defaultValue
)
```

#### Visual Basic

```
<ExtensionAttribute> _
Public Shared Function Get(Of T) ( _
    argument As InArgument(Of T), _
    context As ActivityContext, _
    defaultValue As T _
) As T
```

#### Visual C++

```
public:
[ExtensionAttribute]
generic<typename T>
static T Get(
    InArgument<T>^ argument,
    ActivityContext^ context,
    T defaultValue
)
```

### Parameters

*argument*

Type: `System.Activities.InArgument<T>`

The argument.
**context**
Type: `System.Activities.ActivityContext`
The context.

**defaultValue**
Type: `T`
The default value.
Type Parameters

$T$

The type of the argument

Return Value

the value of an argument or the default value if there is no expression

Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type $\text{InArgument}(T)$. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
Examples

An activity that has an optional in argument

C#
/// </summary>
[DefaultValue(null)]
public InArgument<int> OptionalArg { get; set; }

/// <summary>
/// Gets or sets RequiredArg.
/// </summary>
[RequiredArgument]
public InArgument<string> RequiredArg { get; set; }

#endregion

#region Methods

/// <summary>
/// When implemented in a derived class, performs
/// </summary>
/// <returns>
/// The result of the activity’s execution.
/// </returns>
/// <param name="context">The execution context under which the activity executes.</param> protected override string Execute(CodeActivityContext context) {
    var num = this.OptionalArg.Get(context, DefaultValue<int>());
    return string.Format("{0}: {1}", this.RequiredArg.Get(context), num);
}

#endregion
See Also

InArgumentExtensions Class
InArgumentExtensions Members
Microsoft.Activities.Extensions Namespace
InputDictionary Class

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
</tr>
<tr>
<td>public static class InputDictionary</td>
<td></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td></td>
</tr>
<tr>
<td>Public NotInheritable Class InputDictionary</td>
<td></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td></td>
</tr>
<tr>
<td>public ref class InputDictionary abstract sealed</td>
<td></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object

See Also

InputDictionary Members
Microsoft.Activities.Extensions Namespace
The **InputDictionary** type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create</td>
<td>Creates a dictionary of input arguments</td>
</tr>
</tbody>
</table>
See Also

InputDictionary Class
Microsoft.Activities.Extensions Namespace
InputDictionary Methods

The InputDictionary type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create</td>
<td>Creates a dictionary of input arguments</td>
</tr>
</tbody>
</table>
See Also

InputDictionary Class
Microsoft.Activities.Extensions Namespace
InputDictionary.Create Method

Creates a dictionary of input arguments

**Namespace:** [Microsoft.Activities.Extensions](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
</table>
| **C#**    | `public static IDictionary<string, Object> Create(
params Object[] values
)` |
| **Visual Basic** | `Public Shared Function Create (_
ParamArray values As Object() _) 
) As IDictionary(Of String, Object)` |
| **Visual C++** | `public:
static IDictionary<String^, Object^>^ Create(
... array<Object^>^ values
)` |

### Parameters

- **values**
  - Type: `System.Object[]`
  - The values.

### Return Value

A dicationary of input arguments
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>System.ArgumentException</code></td>
<td></td>
</tr>
</tbody>
</table>
See Also

InputDictionary Class
InputDictionary Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

NativeActivityMetadataExtensions Class

Members See Also Send Feedback

Extensions to the NativeActivityMetadata class

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>C#</td>
<td><code>public static class NativeActivityMetadataExtensions</code></td>
</tr>
<tr>
<td>Visual Basic</td>
<td><code>&lt;ExtensionAttribute&gt; _ Public NotInheritable Class NativeActivityMetadataExtensions</code></td>
</tr>
<tr>
<td>Visual C++</td>
<td><code>[ExtensionAttribute] public ref class NativeActivityMetadataExtensions abstract</code></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.NativeActivityMetadataExtensions
See Also

NativeActivityMetadataExtensions Members
Microsoft.Activities.Extensions Namespace
The `NativeActivityMetadataExtensions` type exposes the following members.
### Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AddAndBindArgument</td>
<td>Adds and binds and argument in one step</td>
</tr>
</tbody>
</table>
See Also

NativeActivityMetadataExtensions Class
Microsoft.Activities.Extensions Namespace
The `NativeActivityMetadataExtensions` type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AddAndBindArgument</td>
<td>Adds and binds and argument in one step</td>
</tr>
</tbody>
</table>
See Also

NativeActivityMetadataExtensions Class
Microsoft.Activities.Extensions Namespace
NativeActivityMetadataExtensions.AddAndBindArgument Method

Adds and binds an argument in one step

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static void AddAndBindArgument(
    this NativeActivityMetadata metadata,
    Argument binding,
    RuntimeMethodArgument argument
)
```

#### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Sub AddAndBindArgument (_
    metadata As NativeActivityMetadata, _
    binding As Argument, _
    argument As RuntimeMethodArgument _
)
```

#### Visual C++

```cpp
public:
    [ExtensionAttribute]
    static void AddAndBindArgument(
        NativeActivityMetadata metadata,
        Argument^ binding,
        RuntimeMethodArgument^ argument
    )
```

### Parameters

- **metadata**  
  Type: `System.Activities.NativeActivityMetadata`  
  The activity metadata

  - **binding**
Type: `System.Activities.Argument`
The argument to bind

`argument`
Type: `System.Activities_RuntimeArgument`
The runtime argument

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `NativeActivityMetadata`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](link) or [Extension Methods (C# Programming Guide)](link).
See Also

NativeActivityMetadataExtensions Class
NativeActivityMetadataExtensions Members
Microsoft.Activities.Extensions Namespace
The date time ex.

**Namespace:** [Microsoft.Activities.Extensions](https://docs.microsoft.com/en-us/dotnet/api/microsoft.activities.extensions)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public static class Occurance
```

Visual Basic

```vbnet
Public NotInheritable Class Occurance
```

Visual C++

```cpp
public ref class Occurance abstract sealed
```
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.Occurance
See Also

Occurrence Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

Occurrence Members

Occurrence Class Methods See Also Send Feedback
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interval(TimeSpan)</td>
<td>Returns the interval from the specific time to the next occurrence of the time on one or the same day if no days are provided.</td>
</tr>
<tr>
<td>Interval(DateTime, TimeSpan)</td>
<td>Returns the interval from the specific time to the next occurrence of the time on one or the same day if no days are provided.</td>
</tr>
<tr>
<td>Interval(TimeSpan, IEnumerable&lt;DayOfWeek&gt;)</td>
<td>Returns the interval from the specific time to the next occurrence of the time on one or the same day if no days are provided.</td>
</tr>
<tr>
<td>Interval(DateTime, TimeSpan, IEnumerable&lt;DayOfWeek&gt;)</td>
<td>Returns the interval from the specific time to the next occurrence of the time on one or the same day if no days are provided.</td>
</tr>
<tr>
<td>Next(TimeSpan)</td>
<td>Returns the date and time of the next occurrence from the specific time to the time on one or the same day if no days are provided.</td>
</tr>
<tr>
<td>Next(DateTime, TimeSpan)</td>
<td>Returns the date and time of the next occurrence from the specific time to the time on one or the same day if no days are provided.</td>
</tr>
<tr>
<td>Next(DateTime, TimeSpan, IEnumerable&lt;DayOfWeek&gt;)</td>
<td>Returns the date and time of the next occurrence from the specific time to the time on one or the same day if no days are provided.</td>
</tr>
</tbody>
</table>
See Also

Occurance Class
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

Occurance Methods

Occurance Class  See Also  Send Feedback
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interval(TimeSpan)</td>
<td>Returns the interval from the specific time to the next occurrence of the time on one the next matching day or the same day if no days are provided.</td>
</tr>
<tr>
<td>Interval(DateTime, TimeSpan)</td>
<td>Returns the interval from the specific time to the next occurrence of the time on one the next matching day or the same day if no days are provided.</td>
</tr>
<tr>
<td>Interval(TimeSpan, IEnumerable&lt;DayOfWeek&gt;)</td>
<td>Returns the interval from the specific time to the next occurrence of the time on one the next matching day or the same day if no days are provided.</td>
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<td>Interval(DateTime, TimeSpan, IEnumerable&lt;DayOfWeek&gt;)</td>
<td>Returns the interval from the specific time to the next occurrence of the time on one the next matching day or the same day if no days are provided.</td>
</tr>
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<td>Next(TimeSpan)</td>
<td>Returns the date and time of the next occurrence from the specific time to the time on one the next matching day or the same day if no days are provided.</td>
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<td>Next(DateTime, TimeSpan)</td>
<td>Returns the date and time of the next occurrence from the specific time to the time on one the next matching day or the same day if no days are provided.</td>
</tr>
<tr>
<td>Next(DateTime, TimeSpan, IEnumerable&lt;DayOfWeek&gt;)</td>
<td>Returns the date and time of the next occurrence from the specific time to the time on one the next matching day or the same day if no days are provided.</td>
</tr>
</tbody>
</table>
See Also

Occurance Class
Microsoft.Activities.Extensions Namespace
| Occurrence.Interval Method | Occurrence Class See Also Send Feedback |
## Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interval(TimeSpan)</td>
<td>Returns the interval from the specific time to the next occurrence of the time on one the next matching day or the same day if no days are provided.</td>
</tr>
<tr>
<td>Interval(DateTime, TimeSpan)</td>
<td>Returns the interval from the specific time to the next occurrence of the time on one the next matching day or the same day if no days are provided.</td>
</tr>
<tr>
<td>Interval(TimeSpan, IEnumerable(DayOfWeek))</td>
<td>Returns the interval from the specific time to the next occurrence of the time on one the next matching day or the same day if no days are provided.</td>
</tr>
<tr>
<td>Interval(DateTime, TimeSpan, IEnumerable(DayOfWeek))</td>
<td>Returns the interval from the specific time to the next occurrence of the time on one the next matching day or the same day if no days are provided.</td>
</tr>
</tbody>
</table>
See Also

Occurance Class
Occurance Members
Microsoft.Activities.Extensions Namespace
Returns the interval from the specific time to the next occurrence of the time on one the next matching day or the same day if no days are provided.

**Namespace:** Microsoft.Activities.Extensions  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static TimeSpan Interval(
    TimeSpan occuranceTime
)
```

#### Visual Basic

```vbnet
Public Shared Function Interval ( _
    occuranceTime As TimeSpan _
) As TimeSpan
```

#### Visual C++

```cpp
public:
static TimeSpan Interval(
    TimeSpan occuranceTime
)
```

### Parameters

* **occuranceTime**
  Type: `System.TimeSpan`
  The time of day for the occurrence

### Return Value

the timespan from now until the next occurrence of the time on a given day.
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>System.ArgumentException</code></td>
<td>The time string is invalid</td>
</tr>
</tbody>
</table>
See Also

Occurrence Class
Occurrence Members
Interval Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

Occurrence.Interval Method (DateTime, TimeSpan)

Occurrence Class  See Also  Send Feedback

Returns the interval from the specific time to the next occurrence of the time on one the next matching day or the same day if no days are provided.

**Namespace:** Microsoft.Activities.Extensions  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public static TimeSpan Interval(
    DateTime fromTime,
    TimeSpan occurrenceTime
)
```

**Visual Basic**

```vbnet
Public Shared Function Interval ( _
    fromTime As DateTime, _
    occurrenceTime As TimeSpan _
) As TimeSpan
```

**Visual C++**

```cpp
public:
    static TimeSpan Interval(
        DateTime fromTime,
        TimeSpan occurrenceTime
    )
```

### Parameters

**fromTime**
Type: `System.DateTime`
The from Time.

**occurrenceTime**
Type: `System.TimeSpan`
The time of day for the occurrence

### Return Value
the timespan from now until the next occurrence of the time on a given day.
### Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>System.ArgumentException</td>
<td>The time string is invalid</td>
</tr>
</tbody>
</table>
See Also

Occurance Class
Occurance Members
Interval Overload
Microsoft.Activities.Extensions Namespace
Returns the interval from the specific time to the next occurrence of the time on one the next matching day or the same day if no days are provided.

**Namespace:** Microsoft.Activities.Extensions  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public static TimeSpan Interval(</code> <code>TimeSpan occuranceTime,</code> <code>IEnumerable&lt;DayOfWeek&gt; occuranceDays</code>)`</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Shared Function Interval ( _</code> <code>occuranceTime As TimeSpan, _</code> <code>occuranceDays As IEnumerable(Of DayOfWeek) _</code> ) As TimeSpan`</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public: </code> <code>static TimeSpan Interval(</code> <code>TimeSpan occuranceTime,</code> <code>IEnumerable&lt;DayOfWeek&gt;^ occuranceDays</code>)`</td>
</tr>
</tbody>
</table>

### Parameters

- **occuranceTime**
  - Type: `System.TimeSpan`
  - The time of day for the occurrence

- **occuranceDays**
  - Type: `System.Collections.Generic.IEnumerable<DayOfWeek>`
  - A list of the days of the week when the time may occur.

### Return Value
the timespan from now until the next occurrence of the time on a given day.
## Exceptions

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See Also

Occurrence Class
Occurrence Members
Interval Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

Occurance.Interval Method (DateTime, TimeSpan, IEnumerable(DayOfWeek))

Occurance Class See Also Send Feedback

Returns the interval from the specific time to the next occurrence of the time on one the next matching day or the same day if no days are provided.

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public static TimeSpan Interval(
    DateTime fromTime,
    TimeSpan occurrenceTime,
    IEnumerable<DayOfWeek> occurrenceDays
)
```

**Visual Basic**

```vbnet
Public Shared Function Interval (_
    fromTime As DateTime, _
    occurrenceTime As TimeSpan, _
    occurrenceDays As IEnumerable(Of DayOfWeek) _) As TimeSpan
```

**Visual C++**

```cpp
public:
static TimeSpan Interval(
    DateTime fromTime,
    TimeSpan occurrenceTime,
    IEnumerable<DayOfWeek>^ occurrenceDays
)
```

### Parameters

- **fromTime**
  - Type: `System.DateTime`
  - The from Time.

- **occurrenceTime**
  - Type: `System.TimeSpan`
  - The time of day for the occurence
occurrenceDays
Type: System.Collections.Generic.IEnumerable(DayOfWeek)
A list of the days of the week when the time may occur.

Return Value
the timespan from now until the next occurrence of the time on a given day.
## Exceptions

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See Also

Occurrence Class
Occurrence Members
Interval Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

Occurrence.Next Method

Occurrence Class See Also Send Feedback
## Overload List

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<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="TimeSpan" alt="Next" /></td>
<td>Returns the date and time of the next occurrence from the specific time to the time on one the next matching day or the same day if no days are provided.</td>
</tr>
<tr>
<td>![Next](DateTime, TimeSpan)</td>
<td>Returns the date and time of the next occurrence from the specific time to the time on one the next matching day or the same day if no days are provided.</td>
</tr>
<tr>
<td>![Next](DateTime, TimeSpan, IEnumerable(DayOfWeek))</td>
<td>Returns the date and time of the next occurrence from the specific time to the time on one the next matching day or the same day if no days are provided.</td>
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See Also

Occurance Class
Occurance Members
Microsoft.Activities.Extensions Namespace
Returns the date and time of the next occurrence from the specific time to the time on one the next matching day or the same day if no days are provided.

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public static DateTime Next(
    TimeSpan occurrenceTime
)
```

Visual Basic

```vbnet
Public Shared Function Next ( _
    occurrenceTime As TimeSpan _
) As DateTime
```

Visual C++

```cpp
public:
static DateTime Next(
    TimeSpan occurrenceTime
)
```

Parameters

`occurrenceTime`
Type: `System.TimeSpan`
The time of day for the occurence

Return Value

the timespan from now until the next occurance of the time on a given day.
## Exceptions

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**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

**C#**

```csharp
public static DateTime Next(
    DateTime fromTime, 
    TimeSpan occurrenceTime
)
```

**Visual Basic**

```vbnet
Public Shared Function Next (_
    fromTime As DateTime, _
    occurrenceTime As TimeSpan _
) As DateTime
```

**Visual C++**

```cpp
public:
static DateTime Next(
    DateTime fromTime, 
    TimeSpan occurrenceTime
)
```

**Parameters**

*fromTime*
Type: `System.DateTime`  
The from Time.

*occurrenceTime*
Type: `System.TimeSpan`  
The time of day for the occurrence

**Return Value**
the timespan from now until the next occurrence of the time on a given day.
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**Namespace:** Microsoft.Activities.Extensions  
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### Syntax

<table>
<thead>
<tr>
<th>C#</th>
</tr>
</thead>
</table>
| public static DateTime Next(  
  DateTime fromTime,  
  TimeSpan occuranceTime,  
  IEnumerable<DayOfWeek> occuranceDays  
) |

<table>
<thead>
<tr>
<th>Visual Basic</th>
</tr>
</thead>
</table>
| Public Shared Function Next (  
  fromTime As DateTime,  
  occuranceTime As TimeSpan,  
  occuranceDays As IEnumerable(Of DayOfWeek)  
) As DateTime |

<table>
<thead>
<tr>
<th>Visual C++</th>
</tr>
</thead>
</table>
| public:  
static DateTime Next(  
  DateTime fromTime,  
  TimeSpan occuranceTime,  
  IEnumerable<DayOfWeek>^ occuranceDays  
) |

### Parameters

**fromTime**  
Type: [System.DateTime](https://docs.microsoft.com/en-us/dotnet/api/system.datetime)  
The from Time.

**occuranceTime**  
Type: [System.TimeSpan](https://docs.microsoft.com/en-us/dotnet/api/system.timespan)  
The time of day for the occurence
occuranceDays
Type: System.Collections.Generic.IEnumerable(DayOfWeek)
A list of the days of the week when the time may occur.

Return Value
the timespan from now until the next occurrence of the time on a given day.
## Exceptions

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See Also

Occurance Class
Occurance Members
Next Overload
Microsoft.Activities.Extensions Namespace
OutputDictionary Class

The output dictionary.

**Namespace:** [Microsoft.Activities.Extensions](https://docs.microsoft.com/en-us/dotnet/api/microsoft.activities.extensions)  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
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<tr>
<td><strong>C#</strong></td>
<td><code>public class OutputDictionary</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Class OutputDictionary</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public ref class OutputDictionary</code></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
See Also

OutputDictionary Members
Microsoft.Activities.Extensions Namespace
The `OutputDictionary` type exposes the following members.
### Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OutputDictionary</td>
<td>Initializes a new instance of the OutputDictionary class.</td>
</tr>
</tbody>
</table>
### Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Equals</strong></td>
<td>Determines whether the specified Object is equal to the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>Get(T)(String)</strong></td>
<td>Gets a value from the output dictionary</td>
</tr>
<tr>
<td><strong>Get(T)(IDictionary(String, Object), String)</strong></td>
<td>Gets a value from the output dictionary</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Serves as a hash function for a particular type. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the Type of the current instance. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>ToString</strong></td>
<td>Returns a String that represents the current Object. (Inherited from Object.)</td>
</tr>
</tbody>
</table>
See Also

- OutputDictionary Class
- Microsoft.Activities.Extensions Namespace
Initializes a new instance of the `OutputDictionary` class.

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public OutputDictionary(
    IDictionary<string, Object> dictionary
)
```

### Visual Basic

```vbnet
Public Sub New (_
    dictionary As IDictionary(Of String, Object)
)
```

### Visual C++

```cpp
public:
OutputDictionary(
    IDictionary<String^, Object^>^ dictionary
)
```

## Parameters

*dictionary*

Type: `System.Collections.Generic.IDictionary<String, Object>`

The dictionary.
See Also

OutputDictionary Class
OutputDictionary Members
Microsoft.Activities.Extensions Namespace
The `OutputDictionary` type exposes the following members.
## Methods

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<tr>
<td><strong>Equals</strong></td>
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<td><strong>ToString</strong></td>
<td>Returns a <a href="#">String</a> that represents the current <a href="#">Object</a>. (Inherited from <a href="#">Object</a>.)</td>
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See Also

OutputDictionary Class
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

**OutputDictionary.Get Method**

[OutputDictionary Class] See Also Send Feedback
## Overload List

<table>
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</thead>
<tbody>
<tr>
<td>Get(String)</td>
<td>Gets a value from the output dictionary</td>
</tr>
<tr>
<td>Get(IDictionary(String, Object), String)</td>
<td>Gets a value from the output dictionary</td>
</tr>
</tbody>
</table>
See Also

- **OutputDictionary Class**
- **OutputDictionary Members**
- **Microsoft.Activities.Extensions Namespace**
Gets a value from the output dictionary

**Namespace:** [Microsoft.Activities.Extensions](https://docs.microsoft.com/de-de/dotnet/api/microsoft.activitiestensions)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
</table>
| **C#**     | public T Get<T>(
|            |   string name                                                       |
|            | )                                                                    |
| **Visual Basic** | Public Function Get(Of T) ( _
|            |   name As String _                                                  |
|            | ) As T                                                              |
| **Visual C++** | public:
generic<typename T>
T Get(
   String^ name
) |

### Parameters

- **name**
  
  Type: [System.String](https://docs.microsoft.com/en-us/dotnet/api/system.string)
  
  The argument name.
Type Parameters

$T$
The type of the argument

Return Value
The dictionary value
### Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
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<tbody>
<tr>
<td><code>System.ArgumentException</code></td>
<td>No value was found for name</td>
</tr>
</tbody>
</table>
See Also

OutputDictionary Class
OutputDictionary Members
Get Overload
Microsoft.Activities.Extensions Namespace
Gets a value from the output dictionary

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public static T Get<T>(
    IDictionary<string, Object> dictionary,
    string name
)
```

### Visual Basic

```vbnet
Public Shared Function Get(Of T)( _
    dictionary As IDictionary(Of String, Object),
    name As String _
) As T
```

### Visual C++

```cpp
public:
    template<typename T>
    static T Get(
        IDictionary<String^, Object^>^ dictionary,
        String^ name
    )
```

## Parameters

**dictionary**

Type: `System.Collections.Generic.IDictionary(String, Object)`
The dictionary.

**name**

Type: `System.String`
The argument name.
Type Parameters

\(T\)
The type of the argument

Return Value
The dictionary value
## Exceptions

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See Also

OutputDictionary Class
OutputDictionary Members
Get Overload
Microsoft.Activities.Extensions Namespace
Provides helper methods that will apply normal CLR rules for assembly resolution when loading XAML

**Namespace:** [Microsoft.Activities.Extensions](https://docs.microsoft.com/en-us/dotnet/api/microsoft.activities.extensions)  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
## Syntax

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</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public static class StrictXamlHelper</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public NotInheritable Class StrictXamlHelper</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public ref class StrictXamlHelper abstract sealed</code></td>
</tr>
</tbody>
</table>
Remarks

The standard _XamlStaticHelper class generated by the XamlAppDef build task does not apply standard CLR rules when loading assemblies referenced by XAML. For more details see http://blogs.msdn.com/b/rjacobs/archive/2011/01/07/wf4-spike-activity-versioning-gac-and-loose-xaml.aspx For an example of how to use this class see the XAMLAssemblyResolution Example under the Examples folder
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.StrictXamlHelper
See Also

StrictXamlHelper Members
Microsoft.Activities.Extensions Namespace
The `StrictXamlHelper` type exposes the following members.
## Methods

<table>
<thead>
<tr>
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<th>Description</th>
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<tbody>
<tr>
<td>ActivityLoad</td>
<td>Loads loose XAML and pre-loads the assemblies to ensure correct CLR binding</td>
</tr>
<tr>
<td>InitializeComponent(T)</td>
<td>Initializes the Component with strict assembly resolution rules</td>
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</table>
### Properties

<table>
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<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>StandardCSharpReferencedAssemblies</code></td>
<td>Gets the standard list of referenced assemblies for C# projects.</td>
</tr>
<tr>
<td><code>StandardVBRerencedAssemblies</code></td>
<td>Gets the standard list of referenced assemblies for VB projects.</td>
</tr>
</tbody>
</table>
See Also

StrictXamlHelper Class
Microsoft.Activities.Extensions Namespace
The **StrictXamlHelper** type exposes the following members.
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See Also

StrictXamlHelper Class
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

StrictXamlHelper.ActivityLoad Method

StrictXamlHelper Class  Example  See Also  Send Feedback

Loads loose XAML and pre-loads the assemblies to ensure correct CLR binding

**Namespace:**  Microsoft.Activities.Extensions  
**Assembly:**  Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:**  2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static Activity ActivityLoad(
    string activityXaml,
    IList<string> assemblies
)
```

#### Visual Basic

```vbnet
Public Shared Function ActivityLoad (_
    activityXaml As String, _
    assemblies As IList(Of String) _
) As Activity
```

#### Visual C++

```cpp
public:
    static Activity^ ActivityLoad(_
        String^ activityXaml, _
        IList<String^>^ assemblies
    )
```

### Parameters

- **activityXaml**
  - Type: `System.String`
  - The activity xaml.

- **assemblies**
  - Type: `System.Collections.Generic.IList<String>`
  - The assemblies.

### Return Value
A DynamicActivity
Remarks

ActivityXamlServices.Load will load referenced assemblies using only the assembly name found in the XAML file. The default behavior stores only partial names for references. This means that when the assembly is loaded it will load with a partial name which could result in an unexpected version or entirely different assembly being loaded. As an alternative you can use the <qualifyAssembly> element in your config file to ensure the correct assembly is loaded.
Examples

A class that runs loose XAML with an `XamlAssemblyResolutionOption`

C#  

```csharp
using System;
using System.Activities;
using System.Activities.XamlIntegration;
using System.Collections.Generic;
using System.IO;
using System.Reflection;
using System.Xaml;
using Microsoft.Activities.Extensions;

/// <summary>
/// Loose XAML Example
/// </summary>

public class LooseXamlExample
{
    #region Public Methods and Operators

    /// <summary>
    /// Returns a list of assemblies
    /// </summary>
    /// <returns>
    /// The list of assemblies
    /// </returns>
```
public static IList<string> GetWorkflowLooseReferencedAssemblies()
{
    // Create a list of activities you want to reference
    var list = new List<string>
    {
        "ActivityLibrary1, Version=1.0.0.0, Culture=neutral, PublicKeyToken=c18b97d2d48a43ab",
        Assembly.GetExecutingAssembly().GetName().FullName
    };

    // Add the standard list of references
    list.AddRange(StrictXamlHelper.StandardCSharpReferencedAssemblies);
    return list;
}

/// <summary>
/// Invokes the loose xaml
/// </summary>
/// <param name="resolutionOption">
/// The resolution option.
/// </param>
/// <exception cref="ArgumentOutOfRangeException">
/// The option is unknown
/// </exception>
public static void InvokeLooseXaml(XamlAssemblyResolutionOption resolutionOption)
{
    Console.WriteLine();
    Console.WriteLine("Loose XAML");
    try
    {
        switch (resolutionOption)
        {
            case XamlAssemblyResolutionOption.VersionIndependent:
                WorkflowInvoker.Invoke(ActivityXamlServices.Load(break;
            case XamlAssemblyResolutionOption.FullName:
                // This will ensure the correct assemblies are loaded prior to loading loose XAML
        }
    }
}
WorkflowInvoker.Invoke(
    StrictXamlHelper.ActivityLoadLoad
    break;
    default:
    throw new ArgumentOutOfRangeException(
    }
}
catch (XamlObjectWriterException ex)
{
    Console.WriteLine("Error loading loose xa
}
catch (FileNotFoundException fileNotFoundException)
{
    Console.WriteLine("Could not find assemb
}
catch (FileLoadException fileLoadException)
See Also

StrictXamlHelper Class
StrictXamlHelper Members
Microsoft.Activities.Extensions Namespace
StrictXamlHelper.InitializeComponent(T) Method

Initialize the Component with strict assembly resolution rules

**Namespace:** Microsoft.Activities.Extensions
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static bool InitializeComponent<T>(
    T component,
    string resourceName,
    IList<string> assemblies
) where T : Activity
```

#### Visual Basic

```vbnet
Public Shared Function InitializeComponent(Of T As Activity)(
    component As T,
    resourceName As String,
    assemblies As IList(Of String)
) As Boolean
```

#### Visual C++

```cpp
public:
    template<typename T>
    where T : Activity
    static bool InitializeComponent(
        T component,
        String^ resourceName,
        IList<String^>^ assemblies
    )
```

### Parameters

- **component**
  Type: T
  The component.
resourceName
Type: **System.String**
The resource Name.

assemblies
Type: **System.Collections.Generic.IList(String)**
The referenced assemblies.
Type Parameters

\( T \)
The type of activity you are initializing

Return Value
true if content loaded
Remarks

The InitializeComponent method generated by the XamlAppDef build task uses a version independent loading strategy for referenced assemblies. This helper method will ensure that only assemblies provided in the assemblies list will be loaded.
### Examples

A overloaded constructor that accepts a `XamlAssemblyResolutionOption`

```csharp
using System.Collections.Generic;
using System.Reflection;
using Microsoft.Activities.Extensions;

/// <summary>
/// The WorkflowCompiled class
/// </summary>

public partial class WorkflowCompiled
{  
    #region Constructors and Destructors

    /// <summary>
    /// Initializes a new instance of the <see cref="WorkflowCompiled"/>
    /// </summary>
    /// <param name="assemblyResolutionOption">The assembly resolution option.</param>
    public WorkflowCompiled(XamlAssemblyResolutionOption assemblyResolutionOption)
    {
        switch (assemblyResolutionOption)
        {
            case XamlAssemblyResolutionOption.VersionIndependent:
```
this.InitializeComponent();
break;
case XamlAssemblyResolutionOption.FullName:
    StrictXamlHelper.InitializeComponent(
        break;
    }

#endregion

#region Public Properties

///<summary>
///<Gets ReferencedAssemblies.
///<</summary>
public static IList<string> ReferencedAssemblies {
    get
    {
        // Create a list of activities you want to reference
        // You must add the currently executing assembly
        var list = new List<string>
        {
            "ActivityLibrary1, Version=1.0.0.0, Culture=neutral, PublicKeyToken=c18b97d2d48a43ab",
            Assembly.GetExecutingAssembly().GetName().FullName
        };

        // Add the standard list of references
        list.AddRange(StrictXamlHelper.StandardCSharpReferencedAssemblies);
        return list;
    }

#endregion
See Also

StrictXamlHelper Class
StrictXamlHelper Members
Microsoft.Activities.Extensions Namespace
The `StrictXamlHelper` type exposes the following members.
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>StandardCSharpReferencedAssemblies</td>
<td>Gets the standard list of referenced assemblies for C# projects.</td>
</tr>
<tr>
<td>StandardVBReferencedAssemblies</td>
<td>Gets the standard list of referenced assemblies for VB projects.</td>
</tr>
</tbody>
</table>
See Also

StrictXamlHelper Class
Microsoft.Activities.Extensions Namespace
StrictXamlHelper.StandardCSharpReferencedAssemblies Property

Gets the standard list of referenced assemblies for C# projects.

**Namespace:** [Microsoft.Activities.Extensions](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td>C#</td>
<td>public static IEnumerable&lt;string&gt; StandardCSharpReferencedAssembliesGet</td>
</tr>
<tr>
<td>Visual Basic</td>
<td>Public Shared ReadOnly Property StandardCSharpReferencedAssembliesGet</td>
</tr>
</tbody>
</table>
| Visual C++   | public:
static property IEnumerable&lt;String^&gt;^ StandardCSharpReferencedAssembliesIEnumerable&lt;String^&gt;^ get (); |
Remarks

Workflows typically reference a standard list of assemblies. This list will make it easier to create a reference list by combining the two
Examples

ReferencedAssemblies property that adds the StandardReferencedAssemblies collection to its own

C#

// <copyright file="WorkflowCompiled.cs" company="Microsoft">
// Copyright (c) Microsoft Corporation. All rights reserved.
// </copyright>
// ------------------------------------------------------------------------

using System.Collections.Generic;
using System.Reflection;
using Microsoft.Activities.Extensions;

/// <summary>
/// The WorkflowCompiled class
/// </summary>
public partial class WorkflowCompiled
{
    #region Constructors and Destructors

    /// <summary>
    /// Initializes a new instance of the <see cref="WorkflowCompiled"> class.
    /// </summary>
    /// <param name="assemblyResolutionOption">The assembly resolution option.</param>
    public WorkflowCompiled(XamlAssemblyResolutionOption assemblyResolutionOption)
    {
        switch (assemblyResolutionOption)
        {
case XamlAssemblyResolutionOption.Version
    this.InitializeComponent();
    break;
    case XamlAssemblyResolutionOption.FullName
    StrictXamlHelper.InitializeComponent(
    break;
    }
    
    #endregion

    #region Public Properties

    /// <summary>
    /// Gets ReferencedAssemblies.
    /// </summary>
    public static readonly IList<string> ReferencedAssemblies = new List<string>
    {
        "ActivityLibrary1, Version=1.0.0.0,
        Assembly.GetExecutingAssembly().GetName().FullName
    }
    // Add the standard list of references
    list.AddRange(StrictXamlHelper.StandardCSharpReferencedAssemblies);
    return list;
    }
    
    #endregion
See Also

StrictXamlHelper Class
StrictXamlHelper Members
Microsoft.Activities.Extensions Namespace
Gets the standard list of referenced assemblies for VB projects.

**Namespace:** [Microsoft.Activities.Extensions](#)  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
</table>
| ```csharp
public static IEnumerable<string> StandardVBReferencedAssemblies
``` | ```vb
Public Shared ReadOnly Property StandardVBReferencedAssemblies
Get
``` | ```cpp
public:
static property IEnumerable<^String>^ StandardVBReferencedAssemblies
IEnumerable<^String>^ get ();
``` |
Remarks

Workflows typically reference a standard list of assemblies. This list will make it easier to create a reference list by combining the two
See Also

StrictXamlHelper Class
StrictXamlHelper Members
Microsoft.Activities.Extensions Namespace
The workflow episode result.

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th></th>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>public class WorkflowAbortedEpisodeResult : WorkflowEpisodeResult</td>
<td>Public Class WorkflowAbortedEpisodeResult _ Inherits WorkflowEpisodeResult</td>
<td>public ref class WorkflowAbortedEpisodeResult : public ref</td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.WorkflowEpisodeResult
Microsoft.Activities.Extensions.WorkflowAbortedEpisodeResult
See Also

WorkflowAbortedEpisodeResult Members
Microsoft.Activities.Extensions Namespace
The `WorkflowAbortedEpisodeResult` type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WorkflowAbortedEpisodeResult</td>
<td>Initializes a new instance of the WorkflowAbortedEpisodeResult class.</td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Equals</strong></td>
<td>Determines whether the specified <a href="#">Object</a> is equal to the current <a href="#">Object</a>. (Inherited from <a href="#">Object</a>)</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows an <a href="#">Object</a> to attempt to free resources and perform other cleanup operations before the <a href="#">Object</a> is reclaimed by garbage collection. (Inherited from <a href="#">Object</a>)</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Serves as a hash function for a particular type. (Inherited from <a href="#">Object</a>)</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the <a href="#">Type</a> of the current instance. (Inherited from <a href="#">Object</a>)</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current <a href="#">Object</a>. (Inherited from <a href="#">Object</a>)</td>
</tr>
<tr>
<td><strong>ToString</strong></td>
<td>Returns a <a href="#">String</a> that represents the current <a href="#">Object</a>. (Inherited from <a href="#">Object</a>)</td>
</tr>
</tbody>
</table>
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InstanceId</td>
<td>Gets or sets InstanceId. (Inherited from <a href="#">WorkflowEpisodeResult</a>).</td>
</tr>
<tr>
<td>Reason</td>
<td>Gets Reason.</td>
</tr>
<tr>
<td>State</td>
<td>Gets State. (Inherited from <a href="#">WorkflowEpisodeResult</a>).</td>
</tr>
</tbody>
</table>
See Also

WorkflowAbortedEpisodeResult Class
Microsoft.Activities.Extensions Namespace
Initializes a new instance of the **WorkflowAbortedEpisodeResult** class.

**Namespace**: Microsoft.Activities.Extensions

**Assembly**: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public WorkflowAbortedEpisodeResult(
    WorkflowApplicationAbortedEventArgs args,
    Guid instanceId
)
```

#### Visual Basic

```vbnet
Public Sub New ( _
    args As WorkflowApplicationAbortedEventArgs,
    instanceId As Guid _
)
```

#### Visual C++

```cpp
public:
WorkflowAbortedEpisodeResult(  
    WorkflowApplicationAbortedEventArgs^ args,
    Guid instanceId
)
```

### Parameters

**args**  
Type: **System.Activities.WorkflowApplicationAbortedEventArgs**  
The event args.

**instanceId**  
Type: **System(Guid**  
The instance Id.
See Also

WorkflowAbortedEpisodeResult Class
WorkflowAbortedEpisodeResult Members
Microsoft.Activities.Extensions Namespace
The `WorkflowAbortedEpisodeResult` type exposes the following members.
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See Also

WorkflowAbortedEpisodeResult Class
Microsoft.Activities.Extensions Namespace
The `WorkflowAbortedEpisodeResult` type exposes the following members.
## Properties

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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InstanceId</td>
<td>Gets or sets InstanceId. (Inherited from <a href="#">WorkflowEpisodeResult</a>.)</td>
</tr>
<tr>
<td>Reason</td>
<td>Gets Reason.</td>
</tr>
<tr>
<td>State</td>
<td>Gets State (Inherited from <a href="#">WorkflowEpisodeResult</a>.)</td>
</tr>
</tbody>
</table>
See Also

WorkflowAbortedEpisodeResult Class
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowAbortedEpisodeResult.Reason Property

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Gets Reason.
### Syntax

<table>
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<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public Exception Reason { get; internal set; }</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>Public Property Reason As Exception Get Friend Set</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>public: property Exception^ Reason { Exception^ get (); internal: void set (Exception^ value); }</td>
</tr>
</tbody>
</table>
See Also

WorkflowAbortedEpisodeResult Class
WorkflowAbortedEpisodeResult Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions Class

The workflow application extensions.

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
</tr>
<tr>
<td>public static class WorkflowApplicationExtensions</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
</tr>
</tbody>
</table>
| <ExtensionAttribute> _
Public NotInheritable Class WorkflowApplicationExtensions |
| **Visual C++** |
| [ExtensionAttribute]
public ref class WorkflowApplicationExtensions abstract |
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.WorkflowApplicationExtensions
See Also

 workflowApplicationExtensions Members
 Microsoft.Activities.Extensions Namespace
The **WorkflowApplicationExtensions** type exposes the following members.
## Methods

<table>
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<tbody>
<tr>
<td><strong>CancelAsync(WorkflowApplication)</strong></td>
<td>Async Task to Cancel the workflow</td>
</tr>
<tr>
<td><strong>CancelAsync(WorkflowApplication, TimeSpan)</strong></td>
<td>Async Task to Cancel the workflow</td>
</tr>
<tr>
<td><strong>ContainsBookmark(WorkflowApplication, String)</strong></td>
<td>Extension method which determines if the bookmark collection contains a bookmark with the bookmark name</td>
</tr>
<tr>
<td><strong>ContainsBookmark(WorkflowApplication, String, TimeSpan)</strong></td>
<td>Extension method which determines if the bookmark collection contains a bookmark with the bookmark name</td>
</tr>
<tr>
<td><strong>GetBookmarkNames(WorkflowApplication)</strong></td>
<td>Gets a list of bookmark names</td>
</tr>
<tr>
<td><strong>GetBookmarkNames(WorkflowApplication, TimeSpan)</strong></td>
<td>Gets a list of bookmark names</td>
</tr>
<tr>
<td><strong>GetSingletonExtensions</strong></td>
<td>Gets a readonly collection of singleton extensions</td>
</tr>
<tr>
<td><strong>IsAborted</strong></td>
<td>Gets a value that determines if a workflow has abortion flag set</td>
</tr>
<tr>
<td><strong>IsHandlerThread</strong></td>
<td>Gets a value that determines if a workflow is in handler thread</td>
</tr>
<tr>
<td><strong>IsInitialized</strong></td>
<td>Gets a value that determines if a workflow has been initialized</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>-------------</td>
</tr>
<tr>
<td><strong>IsReadOnly</strong></td>
<td>Gets a value that determines if a workflow is in a handler thread.</td>
</tr>
<tr>
<td><strong>LoadAsync(WorkflowApplication, Guid)</strong></td>
<td>Wraps the BeginLoad / EndLoad async methods in a task.</td>
</tr>
<tr>
<td><strong>LoadAsync(WorkflowApplication, Guid, TimeSpan)</strong></td>
<td>Wraps the BeginLoad / EndLoad async methods in a task.</td>
</tr>
<tr>
<td><strong>ResumeEpisodeBookmark(WorkflowApplication, String)</strong></td>
<td>Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout.</td>
</tr>
<tr>
<td><strong>ResumeEpisodeBookmark(WorkflowApplication, String, Object)</strong></td>
<td>Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout.</td>
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<tr>
<td><strong>ResumeEpisodeBookmark(WorkflowApplication, String, TimeSpan)</strong></td>
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<tr>
<td><strong>ResumeEpisodeBookmark(WorkflowApplication, String, Object, Func(WorkflowApplicationIdleEventArgs, String, Boolean))</strong></td>
<td>Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout.</td>
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<td>Method</td>
<td>Description</td>
</tr>
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<tr>
<td>ResumeEpisodeBookmarkAsync(WorkflowApplication, String, Object, CancellationToken)</td>
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<tr>
<td><code>RunEpisode(WorkflowApplication)</code></td>
<td>Runs a workflow episode until the activity is Closed, Faulted, Idle or Timeout.</td>
</tr>
<tr>
<td><code>RunEpisode(WorkflowApplication, UnhandledExceptionAction)</code></td>
<td>Runs a workflow episode until the activity is Closed, Faulted, Idle or Timeout.</td>
</tr>
<tr>
<td><code>RunEpisode(WorkflowApplication, Func(WorkflowApplicationIdleEventArgs, String, Boolean))</code></td>
<td>Returns a task that runs a workflow episode.</td>
</tr>
<tr>
<td><code>RunEpisode(WorkflowApplication, String)</code></td>
<td>Returns a task that</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>RunEpisode(WorkflowApplication, TimeSpan)</td>
<td>Runs a workflow episode until the activity is Closed, Faulted, Idle or Timeout</td>
</tr>
<tr>
<td>RunEpisode(WorkflowApplication, UnhandledExceptionAction, TimeSpan)</td>
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<td>RunEpisode(WorkflowApplication, Func(WorkflowApplicationIdleEventArgs, String, Boolean), TimeSpan)</td>
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<td>Description</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------</td>
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</tr>
<tr>
<td>RunEpisodeAsync(WorkflowApplication, CancellationToken)</td>
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</tr>
<tr>
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See Also

WorkflowApplicationExtensions Class
Microsoft.Activities.Extensions Namespace
The `WorkflowApplicationExtensions` type exposes the following members.
## Methods

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<td><strong>ContainsBookmark(WorkflowApplication, String)</strong></td>
<td>Extension method which determines if the bookmark collection contains a bookmark with the bookmark name</td>
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<td><code>IsReadonly</code></td>
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<td>Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout</td>
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<td><code>ResumeEpisodeBookmark(WorkflowApplication, String, Object)</code></td>
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<td><code>ResumeEpisodeBookmark(WorkflowApplication, String, Object, Func(WorkflowApplicationIdleEventArgs, String, Boolean))</code></td>
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<tr>
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</table>
See Also

WorkflowApplicationExtensions Class
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.CancelAsync Method

WorkflowApplicationExtensions Class See Also Send Feedback
## Overload List

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See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
Microsoft.Activities.Extensions Namespace
Async Task to Cancel the workflow

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

### C#

```csharp
public static Task CancelAsync(
    this WorkflowApplication workflowApplication
)
```

### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function CancelAsync ( _
    workflowApplication As WorkflowApplication _
) As Task
```

### Visual C++

```cpp
public:
    [ExtensionAttribute]
static Task^ CancelAsync(
    WorkflowApplication^ workflowApplication
)
```

#### Parameters

`workflowApplication`
Type: `System.Activities.WorkflowApplication`
The workflow application.

#### Return Value

A Task to Cancel the workflow.

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any
object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
CancelAsync Overload
Microsoft.Activities.Extensions Namespace
Async Task to Cancel the workflow

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

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<th>Visual C++</th>
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<tbody>
<tr>
<td><code>public static Task CancelAsync(</code></td>
<td><code>&lt;ExtensionAttribute&gt; _</code></td>
<td><code>public: [ExtensionAttribute]</code></td>
</tr>
<tr>
<td><code>    this WorkflowApplication workflowApplication,</code></td>
<td><code>Public Shared Function CancelAsync ( _</code></td>
<td><code>  static Task^ CancelAsync(</code></td>
</tr>
<tr>
<td><code>    TimeSpan timeout</code></td>
<td><code>    workflowApplication As WorkflowApplication,</code></td>
<td><code>    WorkflowApplication^ workflowApplication,</code></td>
</tr>
<tr>
<td><code>)</code></td>
<td><code>    timeout As TimeSpan _</code></td>
<td><code>    TimeSpan timeout</code></td>
</tr>
<tr>
<td></td>
<td><code>)</code></td>
<td><code>)</code></td>
</tr>
</tbody>
</table>

### Parameters

**workflowApplication**
Type: `System.Activities.WorkflowApplication`
The workflow application.

**timeout**
Type: `System.TimeSpan`
The timeout.
**Return Value**

A Task to Cancel the workflow

**Usage Note**

In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
CancelAsync Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.ContainsBookmark Method

WorkflowApplicationExtensions Class See Also Send Feedback
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<tr>
<td>![ContainsBookmark](WorkflowApplication, String)</td>
<td>Extension method which determines if the bookmark collection contains a bookmark with the bookmark name</td>
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See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
Microsoft.Activities.Extensions Namespace
WorkflowApplicationExtensions.ContainsBookmark Method
(WorkflowApplication, String)

Extension method which determines if the bookmark collection contains a bookmark with the bookmark name

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public static bool ContainsBookmark(
    this WorkflowApplication workflowApplication,
    string bookmarkName
)
```

Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function ContainsBookmark ( _
    workflowApplication As WorkflowApplication, _
    bookmarkName As String _
) As Boolean
```

Visual C++

```cpp
public:
    [ExtensionAttribute]
static bool ContainsBookmark(
    WorkflowApplication^ workflowApplication,
    String^ bookmarkName
)
```

Parameters

`workflowApplication`
Type: `System.Activities.WorkflowApplication`
The workflow application.

`bookmarkName`
Type: `System.String`
The bookmark name.
**Return Value**

true if there is a bookmark with `bookmarkName`

**Usage Note**

In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://example.com) or [Extension Methods (C# Programming Guide)](https://example.com).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
ContainsBookmark Overload
Microsoft.Activities.Extensions Namespace
Extension method which determines if the bookmark collection contains a bookmark with the bookmark name

**Namespace:** Microsoft.Activities.Extensions  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
Syntax

**C#**

```csharp
public static bool ContainsBookmark(
    this WorkflowApplication workflowApplication,
    string bookmarkName,
    TimeSpan timeout
)
```

**Visual Basic**

```vbnet
<System.Diagnostics.DebuggerStepThrough>
Public Shared Function ContainsBookmark(
    workflowApplication As WorkflowApplication,
    bookmarkName As String,
    timeout As TimeSpan
) As Boolean
```

**Visual C++**

```cpp
public:
    [System.Diagnostics.DebuggerStepThrough]
    static bool ContainsBookmark(
        WorkflowApplication^ workflowApplication,
        String^ bookmarkName,
        TimeSpan timeout
    )
```

**Parameters**

- **workflowApplication**
  Type: `System.Activities.WorkflowApplication`
  The workflow application.

- **bookmarkName**
Type: `System.String`
The bookmark name.

`timeout`
Type: `System TimeSpan`
The interval in which this method must complete before the operation is canceled and a TimeoutException is thrown.

**Return Value**
true if there is a bookmark with `bookmarkName`

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/en-us/dotnet/visual-basic/programming-guide/language-features/methods) or [Extension Methods (C# Programming Guide)](https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide/methods/).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
ContainsBookmark Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.GetBookmarkNames Method

WorkflowApplicationExtensions Class See Also Send Feedback
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<td>Gets a list of bookmark names</td>
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<tr>
<td>GetBookmarkNames(WorkflowApplication, TimeSpan)</td>
<td>Gets a list of bookmark names</td>
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See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
Microsoft.Activities.Extensions Namespace
Gets a list of bookmark names

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
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<tr>
<td>public static IEnumerable&lt;string&gt; GetBookmarkNames(</td>
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<tr>
<td>this WorkflowApplication workflowApplication)</td>
</tr>
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<td></td>
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<table>
<thead>
<tr>
<th>Visual Basic</th>
</tr>
</thead>
</table>
| <ExtensionAttribute> _  
Public Shared Function GetBookmarkNames ( _                        |
|     workflowApplication As WorkflowApplication _) As IEnumerable( |
|     Of String)                                                    |
|                                                                  |

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<thead>
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<tbody>
<tr>
<td>public:</td>
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<td>static IEnumerable&lt;String^&gt; GetBookmarkNames(</td>
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<tr>
<td>WorkflowApplication^ workflowApplication)</td>
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</table>

### Parameters

**workflowApplication**

Type: System.Activities.WorkflowApplication

The workflow application.

### Return Value

The list of bookmarks

### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any
object of type **WorkflowApplication**. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](Extension Methods (Visual Basic)) or [Extension Methods (C# Programming Guide)].
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
GetBookmarkNames Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.GetBookmarkNames Method (WorkflowApplication, TimeSpan)

WorkflowApplicationExtensions Class See Also Send Feedback

Gets a list of bookmark names

**Namespace:** Microsoft.Activities.Extensions  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public static IEnumerable<string> GetBookmarkNames(
    this WorkflowApplication workflowApplication,
    TimeSpan timeout
)
```

### Visual Basic

```vbnet
<ExtensionAttribute>_
Public Shared Function GetBookmarkNames (_
    workflowApplication As WorkflowApplication, _
    timeout As TimeSpan _
) As IEnumerable(Of String)
```

### Visual C++

```cpp
public:
    [ExtensionAttribute]
static IEnumerable<String^>^ GetBookmarkNames(
    WorkflowApplication^ workflowApplication,
    TimeSpan timeout
)
```

## Parameters

**workflowApplication**
Type: `System.Activities.WorkflowApplication`
The workflow application.

**timeout**
Type: `System.TimeSpan`
The interval in which this method must complete before the operation is canceled and a TimeoutException is thrown.
**Return Value**
The list of bookmarks

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/en-us/dotnet/framework/wcf/extension-methods) or [Extension Methods (C# Programming Guide)](https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide/).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
GetBookmarkNames Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.GetSingletonExtensions Method
WorkflowApplicationExtensions Class See Also Send Feedback

Gets a readonly collection of singleton extensions

**Namespace:** Microsoft.Activities.Extensions
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public static ICollection<Object> GetSingletonExtensions(this WorkflowApplication workflowApplication)
```

**Visual Basic**

```vbnet
<ExtensionAttribute>
Public Shared Function GetSingletonExtensions (_
    workflowApplication As WorkflowApplication _) As ICollection(Of Object)
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
static ICollection<Object>^ GetSingletonExtensions(
    WorkflowApplication^ workflowApplication)
```

### Parameters

`workflowApplication`  
Type: `System.Activities.WorkflowApplication`  
The workflow application.

### Return Value

a readonly collection of singleton extensions

### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.IsAborted Method

WorkflowApplicationExtensions Class See Also Send Feedback

Gets a value that determines if a workflow has aborted

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public static bool IsAborted(
    this WorkflowApplication workflowApplication
)
```

Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function IsAborted ( _
    workflowApplication As WorkflowApplication _
) As Boolean
```

Visual C++

```cpp
public:
    [ExtensionAttribute]
static bool IsAborted(
    WorkflowApplication^ workflowApplication
)
```

Parameters

`workflowApplication`
Type: `System.Activities.WorkflowApplication`
The workflow application.

Return Value

true if the workflow has aborted, false if not

Usage Note

In Visual Basic and C#, you can call this method as an instance method on any
object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.IsHandlerThread Method

WorkflowApplicationExtensions Class See Also Send Feedback

Gets a value that determines if a workflow is in a handler thread

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
# Syntax

**C#**

```csharp
public static bool IsHandlerThread(
    this WorkflowApplication workflowApplication
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Function IsHandlerThread ( _
    workflowApplication As WorkflowApplication _
) As Boolean
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
static bool IsHandlerThread(
    WorkflowApplication^ workflowApplication
)
```

## Parameters

**workflowApplication**

Type: `System.Activities.WorkflowApplication`

The workflow application.

## Return Value

true if in a handler thread

## Usage Note

In Visual Basic and C#, you can call this method as an instance method on any
object of type *WorkflowApplication*. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/en-us/dotnet/visual-basic/extension-methods) or [Extension Methods (C# Programming Guide)](https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide/).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.IsInitialized Method

WorkflowApplicationExtensions Class See Also Send Feedback

Gets a value that determines if a WorkflowApplication is initialized

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public static bool IsInitialized(
    this WorkflowApplication workflowApplication
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute>
Public Shared Function IsInitialized (_
    workflowApplication As WorkflowApplication _
) As Boolean
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
static bool IsInitialized(
    WorkflowApplication^ workflowApplication
)
```

### Parameters

**workflowApplication**

Type: `System.Activities.WorkflowApplication`

The workflow application.

### Return Value

true if the workflow has aborted, false if not

### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
Microsoft.Activities/extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.IsReadOnly Method

WorkflowApplicationExtensions Class See Also Send Feedback

Gets a value that determines if a workflow is in a handler thread

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public static bool IsReadOnly( 
    this WorkflowApplication workflowApplication
)
```

Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function IsReadOnly ( _
    workflowApplication As WorkflowApplication _
) As Boolean
```

Visual C++

```cpp
public:
[ExtensionAttribute]
static bool IsReadOnly(
    WorkflowApplication^ workflowApplication
)
```

Parameters

`workflowApplication`
Type: `System.Activities.WorkflowApplication`
The workflow application.

Return Value

true if in a handler thread

Usage Note

In Visual Basic and C#, you can call this method as an instance method on any
object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](visual-basic-extension-methods) or [Extension Methods (C# Programming Guide)](c-sharp-extension-methods).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.LoadAsync Method

WorkflowApplicationExtensions Class See Also Send Feedback
## Overload List

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<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
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<td>✨ LoadAsync(WorkflowApplication, Guid)</td>
<td>Wraps the BeginLoad / EndLoad async methods in a task</td>
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<tr>
<td>✨ LoadAsync(WorkflowApplication, Guid, TimeSpan)</td>
<td>Wraps the BeginLoad / EndLoad async methods in a task</td>
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</tbody>
</table>
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
Microsoft.Activities.Extensions Namespace
Wraps the BeginLoad / EndLoad async methods in a task

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
**Syntax**

**C#**

```csharp
public static Task LoadAsync(
    this WorkflowApplication host,
    Guid instanceId
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Function LoadAsync ( _
    host As WorkflowApplication, _
    instanceId As Guid _
) As Task
```

**Visual C++**

```cpp
public:
[ExtensionAttribute]
static Task^ LoadAsync(
    WorkflowApplication^ host,
    Guid instanceId
)
```

**Parameters**

*host*
Type: System.Activities.WorkflowApplication
The WorkflowApplication

*instanceId*
Type: System.Guid
The instance ID
Return Value
A Task that will load the WorkflowApplication from the instance store

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
LoadAsync Overload
Microsoft.Activities.Extensions Namespace
Wraps the BeginLoad / EndLoad async methods in a task

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
**Syntax**

**C#**

```csharp
public static Task LoadAsync(
    this WorkflowApplication host,
    Guid instanceId,
    TimeSpan timeout
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Function LoadAsync ( _
    host As WorkflowApplication, _
    instanceId As Guid, _
    timeout As TimeSpan _
) As Task
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
static Task^ LoadAsync(
    WorkflowApplication^ host,
    Guid instanceId,
    TimeSpan timeout
)
```

**Parameters**

*host*
Type: `System.Activities.WorkflowApplication`
The WorkflowApplication

*instanceId*
Type: `System.Guid`
The instance ID

`timeout`
Type: `System.TimeSpan`
The load timeout

**Return Value**
A Task that will load the WorkflowApplication from the instance store

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://example.com) or [Extension Methods (C# Programming Guide)](http://example.com).
See Also

- WorkflowApplicationExtensions Class
- WorkflowApplicationExtensions Members
- LoadAsync Overload
- Microsoft.Activities.Extensions Namespace
## Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>ResumeEpisodeBookmark(WorkflowApplication, String)</td>
<td>Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout</td>
</tr>
<tr>
<td>ResumeEpisodeBookmark(WorkflowApplication, String, Object)</td>
<td>Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout</td>
</tr>
<tr>
<td>ResumeEpisodeBookmark(WorkflowApplication, String, TimeSpan)</td>
<td>Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout</td>
</tr>
<tr>
<td>ResumeEpisodeBookmark(WorkflowApplication, String, Object, Func(WorkflowApplicationIdleEventArgs, String, Boolean))</td>
<td>Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout</td>
</tr>
<tr>
<td>ResumeEpisodeBookmark(WorkflowApplication, String, Object, String)</td>
<td>Creates a task that will resume</td>
</tr>
<tr>
<td>Method</td>
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<td>-------------</td>
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<tr>
<td>ResumeEpisodeBookmark(WorkflowApplication, String, Object, TimeSpan)</td>
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</tr>
<tr>
<td>ResumeEpisodeBookmark(WorkflowApplication, String, Object, Func(WorkflowApplicationIdleEventArgs, String, Boolean), TimeSpan)</td>
<td>Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout</td>
</tr>
<tr>
<td>ResumeEpisodeBookmark(WorkflowApplication, String, Object, String, TimeSpan)</td>
<td>Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout</td>
</tr>
</tbody>
</table>
See Also

- WorkflowApplicationExtensions Class
- WorkflowApplicationExtensions Members
- Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

**WorkflowApplicationExtensions.ResumeEpisodeBookmark Method**
(WorkflowApplication, String)

See Also: [WorkflowApplicationExtensions Class](#)

Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout

**Namespace:** [Microsoft.Activities.Extensions](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
**Syntax**

**C#**

```csharp
public static WorkflowEpisodeResult ResumeEpisodeBookmark(
    this WorkflowApplication workflowApplication,
    string bookmarkName)
```

**Visual Basic**

```vbs
<ExtensionAttribute> _
Public Shared Function ResumeEpisodeBookmark ( _
    workflowApplication As WorkflowApplication, _
    bookmarkName As String _
) As WorkflowEpisodeResult
```

**Visual C++**

```cpp
public:
[DllImport()]
static WorkflowEpisodeResult^ ResumeEpisodeBookmark(
    WorkflowApplication^ workflowApplication,
    String^ bookmarkName)
```

**Parameters**

*workflowApplication*
Type: `System.Activities.WorkflowApplication`
The workflow application.

*bookmarkName*
Type: `System.String`
The bookmark name.
Return Value
The episode result

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
ResumeEpisodeBookmark Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.ResumeEpisodeBookmark Method
(WorkflowApplication, String, Object)

WorkflowApplicationExtensions Class See Also Send Feedback

Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public static WorkflowEpisodeResult ResumeEpisodeBookmark
    this WorkflowApplication workflowApplication,
    string bookmarkName,
    Object value

)```

Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function ResumeEpisodeBookmark ( _
    workflowApplication As WorkflowApplication, _
    bookmarkName As String, _
    value As Object _
) As WorkflowEpisodeResult

Visual C++

```cpp
public:
    [ExtensionAttribute]
static WorkflowEpisodeResult^ ResumeEpisodeBookmark(
    WorkflowApplication^ workflowApplication,
    String^ bookmarkName,
    Object^ value

)```

Parameters

`workflowApplication`
Type: System.Activities.WorkflowApplication
The workflow application.

`bookmarkName`
Type: `System.String`
The bookmark name.

`value`
Type: `System.Object`
The value to resume the bookmark with

**Return Value**
The episode result

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](link) or [Extension Methods (C# Programming Guide)](link).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
ResumeEpisodeBookmark Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.ResumeEpisodeBookmark Method (WorkflowApplication, String, TimeSpan)

WorkflowApplicationExtensions Class See Also Send Feedback

Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static WorkflowEpisodeResult ResumeEpisodeBookmark
    this WorkflowApplication workflowApplication,
    string bookmarkName,
    TimeSpan timeout
)
```

#### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function ResumeEpisodeBookmark ( _
    workflowApplication As WorkflowApplication, _
    bookmarkName As String, _
    timeout As TimeSpan _
) As WorkflowEpisodeResult
```

#### Visual C++

```cpp
public:
    [ExtensionAttribute]
static WorkflowEpisodeResult^ ResumeEpisodeBookmark(
    WorkflowApplication^ workflowApplication,
    String^ bookmarkName,
    TimeSpan timeout
)
```

### Parameters

- **workflowApplication**
  - Type: `System.Activities.WorkflowApplication`
  - The workflow application.

- **bookmarkName**
Type: `System.String`
The bookmark name.

`timeout`
Type: `System.TimeSpan`
The timeout

**Return Value**
The episode result

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/en-us/dotnet/visual-basic/extension-methods) or [Extension Methods (C# Programming Guide)](https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide/extension-methods).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
ResumeEpisodeBookmark Overload
Microsoft.Activities.Extensions Namespace
WorkflowApplicationExtensions.ResumeEpisodeBookmark Method
(WorkflowApplication, String, Object,
Func(WorkflowApplicationIdleEventArgs, String, Boolean))

WorkflowApplicationExtensions Class See Also Send Feedback

Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
</table>
| **C#**    | ```
public static WorkflowEpisodeResult ResumeEpisodeBookmark(this WorkflowApplication workflowApplication, string bookmarkName, Object value, Func<WorkflowApplicationIdleEventArgs, string> idleEventCallback)
``` |
| **Visual Basic** | ```
<ExtensionAttribute> _
Public Shared Function ResumeEpisodeBookmark ( _
    workflowApplication As WorkflowApplication, _
    bookmarkName As String, _
    value As Object, _
    idleEventCallback As Func(Of WorkflowApplicationIdleEventArgs, String)) As WorkflowEpisodeResult
``` |
| **Visual C++** | ```
public:
    [ExtensionAttribute]
static WorkflowEpisodeResult^ ResumeEpisodeBookmark(
    WorkflowApplication^ workflowApplication, _
    String^ bookmarkName, _
    Object^ value,
    Func<WorkflowApplicationIdleEventArgs^, String>)
``` |

### Parameters

- `workflowApplication`
Type: `System.Activities.WorkflowApplication`
The workflow application.

`bookmarkName`
Type: `System.String`
The bookmark name.

`value`
Type: `System.Object`
The value to resume the bookmark with

`idleEventCallback`
Type: `System.Func<WorkflowApplicationIdleEventArgs, String, Boolean>`
The idle Event Callback.

**Return Value**
The episode result

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
ResumeEpisodeBookmark Overload
Microsoft.Activities.Extensions Namespace
Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static WorkflowEpisodeResult ResumeEpisodeBookmark(
    WorkflowApplication workflowApplication,
    string bookmarkName,
    Object value,
    string waitForBookmarkName
)
```

#### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function ResumeEpisodeBookmark ( _
    workflowApplication As WorkflowApplication, _
    bookmarkName As String, _
    value As Object, _
    waitForBookmarkName As String _
) As WorkflowEpisodeResult
```

#### Visual C++

```cpp
public:
    [ExtensionAttribute]
static WorkflowEpisodeResult^ ResumeEpisodeBookmark(
    WorkflowApplication^ workflowApplication,
    String^ bookmarkName,
    Object^ value,
    String^ waitForBookmarkName
)
```

### Parameters

- `workflowApplication`
Type: `System.Activities.WorkflowApplication`
The workflow application.

`bookmarkName`
Type: `System.String`
The bookmark name.

`value`
Type: `System.Object`
The value to resume the bookmark with

`waitForBookmarkName`
Type: `System.String`
The wait For Bookmark Name.

**Return Value**
The episode result

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](link) or [Extension Methods (C# Programming Guide)].
See Also

- WorkflowApplicationExtensions Class
- WorkflowApplicationExtensions Members
- ResumeEpisodeBookmark Overload
- Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.ResumeEpisodeBookmark Method
(WorkflowApplication, String, Object, TimeSpan)
WorkflowApplicationExtensions Class See Also Send Feedback

Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
</tr>
</thead>
</table>
| `public static WorkflowEpisodeResult ResumeEpisodeBookmark(
|   this WorkflowApplication workflowApplication,
|   string bookmarkName,
|   Object value,
|   TimeSpan timeout
| )`                                                                 |

<table>
<thead>
<tr>
<th>Visual Basic</th>
</tr>
</thead>
</table>
| `<ExtensionAttribute> _
Public Shared Function ResumeEpisodeBookmark ( _
   workflowApplication As WorkflowApplication, _
   bookmarkName As String, _
   value As Object, _
   timeout As TimeSpan _
) As WorkflowEpisodeResult`                                       |

<table>
<thead>
<tr>
<th>Visual C++</th>
</tr>
</thead>
</table>
| `public:
[ExtensionAttribute]
static WorkflowEpisodeResult^ ResumeEpisodeBookmark(
   WorkflowApplication^ workflowApplication,
   String^ bookmarkName,
   Object^ value,
   TimeSpan timeout
)`                                                                       |

### Parameters

*workflowApplication*
**Type:**  `System.Activities.WorkflowApplication`  
The workflow application.

**bookmarkName**  
**Type:**  `System.String`  
The bookmark name.

**value**  
**Type:**  `System.Object`  
The value to resume the bookmark with

**timeout**  
**Type:**  `System TimeSpan`  
The timeout

**Return Value**  
The episode result

**Usage Note**  
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/en-us/dotnet/library/system.activities.extensionmethod).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
ResumeEpisodeBookmark Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.ResumeEpisodeBookmark Method (WorkflowApplication, String, Object, Func(WorkflowApplicationIdleEventArgs, String, Boolean), TimeSpan)

WorkflowApplicationExtensions Class See Also Send Feedback

Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public static WorkflowEpisodeResult ResumeEpisodeBookmark
    this WorkflowApplication workflowApplication,
    string bookmarkName,
    Object value,
    Func<WorkflowApplicationIdleEventArgs, string> TimeSpan timeout
```

Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function ResumeEpisodeBookmark ( _
    workflowApplication As WorkflowApplication, _
    bookmarkName As String, _
    value As Object, _
    idleEventCallback As Func(Of WorkflowApplicationIdleEventArgs, string) TimeSpan timeout As TimeSpan _
) As WorkflowEpisodeResult
```

Visual C++

```cpp
public:
    [ExtensionAttribute]
static WorkflowEpisodeResult^ ResumeEpisodeBookmark(
    WorkflowApplication^ workflowApplication,
    String^ bookmarkName,
    Object^ value,
    Func<WorkflowApplicationIdleEventArgs^, String> TimeSpan timeout
)
```
Parameters

workflowApplication
Type: System.Activities.WorkflowApplication
The workflow application.

bookmarkName
Type: System.String
The bookmark name.

value
Type: System.Object
The value to resume the bookmark with

idleEventCallback
Type: System.Func<WorkflowApplicationIdleEventArgs, String, Boolean>
The idle Event Callback.

timeout
Type: System.TimeSpan
The timeout.

Return Value
The episode result

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
ResumeEpisodeBookmark Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.ResumeEpisodeBookmark Method
(WorkflowApplication, String, Object, String, TimeSpan)

WorkflowApplicationExtensions Class See Also Send Feedback

Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
</tr>
</tbody>
</table>
| public static WorkflowEpisodeResult ResumeEpisodeBookmark(
  this WorkflowApplication workflowApplication,
  string bookmarkName,
  Object value,
  string waitForBookmarkName,
  TimeSpan timeout
) |  |
| **Visual Basic** |  |
| <ExtensionAttribute> _
Public Shared Function ResumeEpisodeBookmark ( _
  workflowApplication As WorkflowApplication,
  bookmarkName As String, _
  value As Object, _
  waitForBookmarkName As String, _
  timeout As TimeSpan _
) As WorkflowEpisodeResult |  |
| **Visual C++** |  |
| public:
[ExtensionAttribute]
static WorkflowEpisodeResult^ ResumeEpisodeBookmark(
  WorkflowApplication^ workflowApplication,
  String^ bookmarkName,
  Object^ value,
  String^ waitForBookmarkName,
  TimeSpan timeout
) |  |
Parameters

workflowApplication
Type: System.Activities.WorkflowApplication
The workflow application.

bookmarkName
Type: System.String
The bookmark name.

value
Type: System.Object
The value to resume the bookmark with

waitForBookmarkName
Type: System.String
The wait For Bookmark Name.

timeout
Type: System.TimeSpan
The timeout.

Return Value
The episode result

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

- WorkflowApplicationExtensions Class
- WorkflowApplicationExtensions Members
- ResumeEpisodeBookmark Overload
- Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.ResumeEpisodeBookmarkAsync Method

WorkflowApplicationExtensions Class See Also Send Feedback
## Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ResumeEpisodeBookmarkAsync(WorkflowApplication, String)</td>
<td>Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout</td>
</tr>
<tr>
<td>ResumeEpisodeBookmarkAsync(WorkflowApplication, String, Object)</td>
<td>Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout</td>
</tr>
<tr>
<td>ResumeEpisodeBookmarkAsync(WorkflowApplication, String, Object, Func(WorkflowApplicationIdleEventArgs, String, Boolean))</td>
<td>Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout</td>
</tr>
<tr>
<td>ResumeEpisodeBookmarkAsync(WorkflowApplication, String, Object, String)</td>
<td>Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout</td>
</tr>
<tr>
<td>ResumeEpisodeBookmarkAsync(WorkflowApplication, String, Object, CancellationToken)</td>
<td>Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout</td>
</tr>
<tr>
<td>ResumeEpisodeBookmarkAsync(WorkflowApplication, String, Object, Func(WorkflowApplicationIdleEventArgs, String, Boolean), TimeSpan)</td>
<td>Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>-------------</td>
</tr>
<tr>
<td><code>ResumeEpisodeBookmarkAsync(WorkflowApplication, String, Object, String, CancellationToken)</code></td>
<td>Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout</td>
</tr>
<tr>
<td><code>ResumeEpisodeBookmarkAsync(WorkflowApplication, String, Object, String, TimeSpan)</code></td>
<td>Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout</td>
</tr>
<tr>
<td><code>ResumeEpisodeBookmarkAsync(WorkflowApplication, String, Object, String, Func(WorkflowApplicationIdleEventArgs, String, Boolean), TimeSpan, CancellationToken)</code></td>
<td>Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout</td>
</tr>
<tr>
<td><code>ResumeEpisodeBookmarkAsync(WorkflowApplication, String, Object, String, TimeSpan, CancellationToken)</code></td>
<td>Creates a task that...</td>
</tr>
</tbody>
</table>
will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
Microsoft.Activities.Extensions Namespace
WorkflowApplicationExtensions.ResumeEpisodeBookmarkAsync Method (WorkflowApplication, String)

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout
### Syntax

**C#**

```csharp
public static Task<WorkflowEpisodeResult> ResumeEpisodeBookmarkAsync(
    this WorkflowApplication workflowApplication,
    string bookmarkName
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Function ResumeEpisodeBookmarkAsync (
    workflowApplication As WorkflowApplication,
    bookmarkName As String _
) As Task(Of WorkflowEpisodeResult)
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
static Task<WorkflowEpisodeResult[^>^ ResumeEpisodeBookmarkAsync (
    WorkflowApplication[^ workflowApplication,
    String[^ bookmarkName
)
```

### Parameters

- **workflowApplication**
  - Type: `System.Activities.WorkflowApplication`
  - The workflow application.

- **bookmarkName**
  - Type: `System.String`
  - The bookmark name.
**Return Value**
A task that will resume the workflow

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
ResumeEpisodeBookmarkAsync Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.ResumeEpisodeBookmarkAsync
Method (WorkflowApplication, String, Object)

WorkflowApplicationExtensions Class See Also Send Feedback

Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public static Task<WorkflowEpisodeResult> ResumeEpisodeBookmarkAsync(this WorkflowApplication workflowApplication, string bookmarkName, Object value)
```

### Visual Basic

```vbnet
<ExtensionAttribute>_Public Shared Function ResumeEpisodeBookmarkAsync(_
    workflowApplication As WorkflowApplication, _
    bookmarkName As String, _
    value As Object _) As Task(Of WorkflowEpisodeResult)
```

### Visual C++

```cpp
public:
    [ExtensionAttribute] static Task<WorkflowEpisodeResult^>^ ResumeEpisodeBookmarkAsync(_
    WorkflowApplication^ workflowApplication, _
    String^ bookmarkName, _
    Object^ value)
```

## Parameters

- **workflowApplication**
  - Type: `System.Activities.WorkflowApplication`
  - The workflow application.

- **bookmarkName**
Type: **System.String**
The bookmark name.

*value*
Type: **System.Object**
The value to resume the bookmark with

**Return Value**
A task that will resume the workflow

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type **WorkflowApplication**. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](link) or [Extension Methods (C# Programming Guide)](link).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
ResumeEpisodeBookmarkAsync Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.ResumeEpisodeBookmarkAsync
Method (WorkflowApplication, String, Object,
Func(WorkflowApplicationIdleEventArgs, String, Boolean))

WorkflowApplicationExtensions Class See Also Send Feedback

Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
public static Task<WorkflowEpisodeResult> ResumeEpisodeBookmarkAsync(this WorkflowApplication workflowApplication, string bookmarkName, Object value, Func<WorkflowApplicationIdleEventArgs, string> idleEventCallback) {
}

Parameters

workflowApplication
Type: System.Activities.WorkflowApplication
The workflow application.

bookmarkName
Type: System.String
The bookmark name.

value
Type: System.Object
The value to resume the bookmark with

idleEventCallback
Type: System.Func<WorkflowApplicationIdleEventArgs, String, Boolean>
The idle Event Callback.

**Return Value**
A task that will resume the workflow

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

- WorkflowApplicationExtensions Class
- WorkflowApplicationExtensions Members
- ResumeEpisodeBookmarkAsync Overload
- Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.ResumeEpisodeBookmarkAsync Method (WorkflowApplication, String, Object, String)

WorkflowApplicationExtensions Class See Also Send Feedback

Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

**C#**

```csharp
public static Task<WorkflowEpisodeResult> ResumeEpisodeBookmarkAsync(
    this WorkflowApplication workflowApplication,
    string bookmarkName,
    Object value,
    string waitForBookmarkName
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Function ResumeEpisodeBookmarkAsync (
    workflowApplication As WorkflowApplication, _
    bookmarkName As String, _
    value As Object, _
    waitForBookmarkName As String _
) As Task(Of WorkflowEpisodeResult)
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
static Task<WorkflowEpisodeResult>^ ResumeEpisodeBookmarkAsync(
    WorkflowApplication^ workflowApplication,
    String^ bookmarkName,
    Object^ value,
    String^ waitForBookmarkName
)
```

**Parameters**

`workflowApplication`
Type: System.Activities.WorkflowApplication
The workflow application.

bookmarkName
Type: System.String
The bookmark name.

value
Type: System.Object
The value to resume the bookmark with

waitForBookmarkName
Type: System.String
Run the episode until completed, aborted or an idle with a bookmark matching this name

Return Value
A task that will resume the workflow

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
ResumeEpisodeBookmarkAsync Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.ResumeEpisodeBookmarkAsync Method (WorkflowApplication, String, Object, CancellationToken)

WorkflowApplicationExtensions Class See Also Send Feedback

Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public static Task<WorkflowEpisodeResult> ResumeEpisodeBookmarkAsync(
    this WorkflowApplication workflowApplication,
    string bookmarkName,
    Object value,
    CancellationToken token
)
```

Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function ResumeEpisodeBookmarkAsync (
    workflowApplication As WorkflowApplication, _
    bookmarkName As String, _
    value As Object, _
    token As CancellationToken _
) As Task(Of WorkflowEpisodeResult)
```

Visual C++

```cpp
public:
    [ExtensionAttribute]
static Task<WorkflowEpisodeResult>^ ResumeEpisodeBookmarkAsync(
    WorkflowApplication^ workflowApplication,
    String^ bookmarkName,
    Object^ value,
    CancellationToken token
)
```

**Parameters**

- `workflowApplication`
Type: `System.Activities.WorkflowApplication`
The workflow application.

`bookmarkName`
Type: `System.String`
The bookmark name.

`value`
Type: `System.Object`
The value to resume the bookmark with

`token`
Type: `System.Threading.CancellationToken`
The cancellation token.

**Return Value**
A task that will resume the workflow

**Usage Note**
See Also

- WorkflowApplicationExtensions Class
- WorkflowApplicationExtensions Members
- ResumeEpisodeBookmarkAsync Overload
- Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.ResumeEpisodeBookmarkAsync Method (WorkflowApplication, String, Object,
Func(WorkflowApplicationIdleEventArgs, String, Boolean), TimeSpan)

WorkflowApplicationExtensions Class See Also Send Feedback

Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

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<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public static Task&lt;WorkflowEpisodeResult&gt; ResumeEpisodeBookmarkAsync(this WorkflowApplication workflowApplication, string bookmarkName, Object value, Func&lt;WorkflowApplicationIdleEventArgs, string&gt; idleEventCallback, TimeSpan timeout)</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>&lt;ExtensionAttribute&gt; _ Public Shared Function ResumeEpisodeBookmarkAsync ( workflowApplication As WorkflowApplication, bookmarkName As String, _ value As Object, _ idleEventCallback As Func(Of WorkflowApplicationIdleEventArgs, string), timeout As TimeSpan _ ) As Task(Of WorkflowEpisodeResult)</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>public: [ExtensionAttribute] static Task&lt;WorkflowEpisodeResult^&gt;^ ResumeEpisodeBookmarkAsync ( WorkflowApplication^ workflowApplication, String^ bookmarkName, Object^ value, Func&lt;WorkflowApplicationIdleEventArgs^, String^&gt; idleEventCallback, TimeSpan timeout )</td>
</tr>
</tbody>
</table>
**Parameters**

`workflowApplication`
Type: `System.Activities.WorkflowApplication`
The workflow application.

`bookmarkName`
Type: `System.String`
The bookmark name.

`value`
Type: `System.Object`
The value to resume the bookmark with.

`idleEventCallback`
Type: `System.Func<WorkflowApplicationIdleEventArgs, String, Boolean>`
The idle Event Callback.

`timeout`
Type: `System TimeSpan`
The timeout.

**Return Value**
A task that will resume the workflow

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](ExtensionMethods(VisualBasic)) or [Extension Methods (C# Programming Guide)](ExtensionMethods(CProgrammingGuide)).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
ResumeEpisodeBookmarkAsync Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.ResumeEpisodeBookmarkAsync Method (WorkflowApplication, String, Object, String, CancellationToken)

WorkflowApplicationExtensions Class See Also Send Feedback

Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static Task<WorkflowEpisodeResult> ResumeEpisodeBookmarkAsync(
    this WorkflowApplication workflowApplication,
    string bookmarkName,
    Object value,
    string waitForBookmarkName,
    CancellationToken token
)
```

#### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function ResumeEpisodeBookmarkAsync (    workflowApplication As WorkflowApplication,    bookmarkName As String, _    value As Object, _    waitForBookmarkName As String, _    token As CancellationToken _
) As Task(Of WorkflowEpisodeResult)
```

#### Visual C++

```cpp
public:
    [ExtensionAttribute]
static Task<WorkflowEpisodeResult>^ ResumeEpisodeBookmarkAsync(
    WorkflowApplication^ workflowApplication,
    String^ bookmarkName,
    Object^ value,
    String^ waitForBookmarkName,
    CancellationToken^ token
)
```
Parameters

workflowApplication
Type: System.Activities.WorkflowApplication
The workflow application.

bookmarkName
Type: System.String
The bookmark name.

value
Type: System.Object
The value to resume the bookmark with

waitForBookmarkName
Type: System.String
Run the episode until completed, aborted or an idle with a bookmark matching this name

token
Type: System.Threading.CancellationToken
The cancellation token.

Return Value
A task that will resume the workflow

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
ResumeEpisodeBookmarkAsync Overload
Microsoft.Activities.Extensions Namespace
WorkflowApplicationExtensions.ResumeEpisodeBookmarkAsync Method (WorkflowApplication, String, Object, String, TimeSpan)

WorkflowApplicationExtensions Class  See Also  Send Feedback

Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public static Task<WorkflowEpisodeResult> ResumeEpisodeBookmarkAsync(WorkflowApplication workflowApplication,
    string bookmarkName,
    Object value,
    string waitForBookmarkName,
    TimeSpan timeout)
```

### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function ResumeEpisodeBookmarkAsync(
    workflowApplication As WorkflowApplication,
    bookmarkName As String,
    value As Object,
    waitForBookmarkName As String,
    timeout As TimeSpan _)
    As Task(Of WorkflowEpisodeResult)
```

### Visual C++

```cpp
public:
    [ExtensionAttribute]
static Task<WorkflowEpisodeResult^>^ ResumeEpisodeBook
    WorkflowApplication^ workflowApplication,
    String^ bookmarkName,
    Object^ value,
    String^ waitForBookmarkName,
    TimeSpan timeout
```

```cpp
)
```
Parameters

workflowApplication
Type: System.Activities.WorkflowApplication
The workflow application.

bookmarkName
Type: System.String
The bookmark name.

value
Type: System.Object
The value to resume the bookmark with

waitForBookmarkName
Type: System.String
Run the episode until completed, aborted or an idle with a bookmark matching this name

timeout
Type: System.TimeSpan
The timeout.

Return Value
A task that will resume the workflow

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
ResumeEpisodeBookmarkAsync Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.ResumeEpisodeBookmarkAsync Method (WorkflowApplication, String, Object, Func(WorkflowApplicationIdleEventArgs, String, Boolean), TimeSpan, CancellationToken)

WorkflowApplicationExtensions Class See Also Send Feedback

Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions.dll (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public static Task<WorkflowEpisodeResult> ResumeEpisodeBookmarkAsync(
    WorkflowApplication workflowApplication,
    string bookmarkName,
    Object value,
    Func<WorkflowApplicationIdleEventArgs, string, TimeSpan, CancellationToken> idleEventCallback,
    CancellationToken token
)
```

### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function ResumeEpisodeBookmarkAsync ( _
    workflowApplication As WorkflowApplication, _
    bookmarkName As String, _
    value As Object, _
    idleEventCallback As Func(Of WorkflowApplicationIdleEventArgs, String, TimeSpan, CancellationToken), _
    token As CancellationToken _
) As Task(Of WorkflowEpisodeResult)
```

### Visual C++

```cpp
public:
[ExtensionAttribute]
static Task<WorkflowEpisodeResult>^ ResumeEpisodeBookmarkAsync(
    WorkflowApplication^ workflowApplication,
    String^ bookmarkName,
    Object^ value,
    Func<WorkflowApplicationIdleEventArgs^, String, TimeSpan, CancellationToken> idleEventCallback,
    CancellationToken token
)"
Parameters

workflowApplication
Type: System.Activities.WorkflowApplication
The workflow application.

bookmarkName
Type: System.String
The bookmark name.

value
Type: System.Object
The value to resume the bookmark with

idleEventCallback
Type: System.Func(WorkflowApplicationIdleEventArgs, String, Boolean)
The idle Event Callback.

timeout
Type: System.TimeSpan
The timeout.

token
Type: System.Threading.CancellationToken
The token.

Return Value
A task that will resume the workflow

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
ResumeEpisodeBookmarkAsync Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.ResumeEpisodeBookmarkAsync Method (WorkflowApplication, String, Object, String, TimeSpan, CancellationToken)

WorkflowApplicationExtensions Class See Also Send Feedback

Creates a task that will resume a bookmark and run the workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
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<tbody>
<tr>
<td><strong>C#</strong></td>
</tr>
<tr>
<td>public static Task&lt;WorkflowEpisodeResult&gt; ResumeEpisodeBookmarkAsync(this WorkflowApplication workflowApplication, string bookmarkName, Object value, string waitForBookmarkName, TimeSpan timeout, CancellationToken token)</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
</tr>
<tr>
<td>&lt;ExtensionAttribute&gt; _ Public Shared Function ResumeEpisodeBookmarkAsync ( _ workflowApplication As WorkflowApplication, _ bookmarkName As String, _ value As Object, _ waitForBookmarkName As String, _ timeout As TimeSpan, _ token As CancellationToken _ ) As Task(Of WorkflowEpisodeResult)</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
</tr>
<tr>
<td>public: [ExtensionAttribute] static Task&lt;WorkflowEpisodeResult&gt;^ ResumeEpisodeBookmarkAsync(WorkflowApplication^ workflowApplication, String^ bookmarkName, Object^ value, String^ waitForBookmarkName, TimeSpan timeout, CancellationToken^ token)</td>
</tr>
</tbody>
</table>
Parameters

workflowApplication
Type: System.Activities.WorkflowApplication
The workflow application.

bookmarkName
Type: System.String
The bookmark name.

value
Type: System.Object
The value to resume the bookmark with

waitForBookmarkName
Type: System.String
Run the episode until completed, aborted or an idle with a bookmark matching this name

timeout
Type: System.TimeSpan
The timeout.

token
Type: System.Threading.CancellationToken
The cancellation token.

Return Value
A task that will resume the workflow

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
ResumeEpisodeBookmarkAsync Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisode Method

WorkflowApplicationExtensions Class  See Also  Send Feedback
## Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RunEpisode(WorkflowApplication)</td>
<td>Runs a workflow until the activity is Closed, Faulted, Idle or Timeout</td>
</tr>
<tr>
<td>RunEpisode(WorkflowApplication, UnhandledExceptionAction)</td>
<td>Runs a workflow until the activity is Closed, Faulted, Idle or Timeout</td>
</tr>
<tr>
<td>RunEpisode(WorkflowApplication, Func(WorkflowApplicationIdleEventArgs, String, Boolean))</td>
<td>Returns a task that runs a workflow episode</td>
</tr>
<tr>
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<td>Returns a task that runs a workflow episode</td>
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<td>Returns a task that runs a workflow episode</td>
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<td>Returns a task that runs a workflow episode</td>
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See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisode Method (WorkflowApplication)

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Runs a workflow until the activity is Closed, Faulted, Idle or Timeout
### Syntax

**C#**

```csharp
public static WorkflowEpisodeResult RunEpisode(
    this WorkflowApplication workflowApplication
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisode (_
    workflowApplication As WorkflowApplication _
) As WorkflowEpisodeResult
```

**Visual C++**

```cpp
public:
[ExtensionAttribute]
static WorkflowEpisodeResult^ RunEpisode(
    WorkflowApplication^ workflowApplication
)
```

### Parameters

**workflowApplication**

Type: `System.Activities.WorkflowApplication`

The workflow application.

### Return Value

The episode result

### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any
object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisode Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisode Method
(WorkflowApplication, UnhandledExceptionAction)
WorkflowApplicationExtensions Class See Also Send Feedback

Runs a workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
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<tr>
<td>C#</td>
<td>public static WorkflowEpisodeResult RunEpisode(   this WorkflowApplication workflowApplication,   UnhandledExceptionAction unhandledExceptionAction)</td>
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</table>
| Visual Basic | <ExtensionAttribute> _
Public Shared Function RunEpisode (_
    workflowApplication As WorkflowApplication, _
    unhandledExceptionAction As UnhandledExceptionAction)
) As WorkflowEpisodeResult |
| Visual C++ | public:
[ExtensionAttribute]
static WorkflowEpisodeResult^ RunEpisode(
    WorkflowApplication^ workflowApplication,
    UnhandledExceptionAction unhandledExceptionAction)
) |

### Parameters

- **workflowApplication**
  Type: System.Activities.WorkflowApplication
  The workflow application.

- **unhandledExceptionAction**
  Type: System.Activities.UnhandledExceptionAction
  The unhandledExceptionAction.
**Return Value**
The episode result

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisode Overload
Microsoft.Activities.Extensions Namespace
Returns a task that runs a workflow episode

**Namespace:** [Microsoft.Activities.Extensions](https://www.microsoft.com)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static WorkflowEpisodeResult RunEpisode(
    this WorkflowApplication workflowApplication,
    Func<WorkflowApplicationIdleEventArgs, string> idleEventCallback
)
```

#### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisode (
    workflowApplication As WorkflowApplication,
    idleEventCallback As Func(Of WorkflowApplicationIdleEventArgs, String)
) As WorkflowEpisodeResult
```

#### Visual C++

```cpp
public:
    [ExtensionAttribute]
    static WorkflowEpisodeResult^ RunEpisode(
        WorkflowApplication^ workflowApplication,
        Func<WorkflowApplicationIdleEventArgs^, String^, Boolean^> idleEventCallback
    )
```

### Parameters

**workflowApplication**
Type: `System.Activities.WorkflowApplication`
The workflow application.

**idleEventCallback**
Type: `System.Func<WorkflowApplicationIdleEventArgs, String, Boolean>`
The idle event callback.
**Return Value**

The episode result

**Usage Note**

See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisode Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisode Method
(WorkflowApplication, String)

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Returns a task that runs a workflow episode
Syntax

**C#**

```csharp
public static WorkflowEpisodeResult RunEpisode(
    this WorkflowApplication workflowApplication,
    string waitForBookmarkName
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisode (_
        workflowApplication As WorkflowApplication,
        waitForBookmarkName As String _
    ) As WorkflowEpisodeResult
```

**Visual C++**

```cpp
public:
[ExtensionAttribute]
static WorkflowEpisodeResult^ RunEpisode(
    WorkflowApplication^ workflowApplication,
    String^ waitForBookmarkName
)
```

**Parameters**

*workflowApplication*
Type: `System.Activities.WorkflowApplication`
The workflow application.

*waitForBookmarkName*
Type: `System.String`
The bookmark name.
**Return Value**
The episode result

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/en-us/dotnet/api/system.workflow.workflowapplication) or [Extension Methods (C# Programming Guide)](https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisode Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisode Method
(WorkflowApplication, TimeSpan)

WorkflowApplicationExtensions Class See Also Send Feedback

Runs a workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

**C#**

```csharp
public static WorkflowEpisodeResult RunEpisode(  
    this WorkflowApplication workflowApplication,  
    TimeSpan timeout
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisode ( _
    workflowApplication As WorkflowApplication,  
    timeout As TimeSpan _
) As WorkflowEpisodeResult
```

**Visual C++**

```cpp
public:
[ExtensionAttribute]
static WorkflowEpisodeResult^ RunEpisode(  
    WorkflowApplication^ workflowApplication,  
    TimeSpan timeout
)
```

### Parameters

**workflowApplication**
Type: `System.Activities.WorkflowApplication`
The workflow application.

**timeout**
Type: `System.TimeSpan`
The timeout.
**Return Value**
The episode result

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](Extension Methods (Visual Basic)) or [Extension Methods (C# Programming Guide)].
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisode Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisode Method
(WorkflowApplication, UnhandledExceptionAction, TimeSpan)

WorkflowApplicationExtensions Class  See Also  Send Feedback

Runs a workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public static WorkflowEpisodeResult RunEpisode(
    WorkflowApplication workflowApplication,
    UnhandledExceptionAction unhandledExceptionAction,
    TimeSpan timeout
)
```

Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisode ( _
    workflowApplication As WorkflowApplication, _
    unhandledExceptionAction As UnhandledExceptionAction, _
    timeout As TimeSpan _
) As WorkflowEpisodeResult
```

Visual C++

```cpp
public:
[ExtensionAttribute]
static WorkflowEpisodeResult^ RunEpisode( _
    WorkflowApplication^ workflowApplication, _
    UnhandledExceptionAction unhandledExceptionAction, _
    TimeSpan timeout
)
```

Parameters

- `workflowApplication`
  Type: `System.Activities.WorkflowApplication`
  The workflow application.

- `unhandledExceptionAction`
Type: System.ActivitiesUnhandledExceptionAction
The unhandledExceptionAction.

**timeout**
Type: System.TimeSpan
The timeout.

**Return Value**
The episode result

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisode Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisode Method
(WorkflowApplication, Func(WorkflowApplicationIdleEventArgs, String, Boolean), TimeSpan)

WorkflowApplicationExtensions Class See Also Send Feedback

Returns a task that runs a workflow episode

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public static WorkflowEpisodeResult RunEpisode(
    this WorkflowApplication workflowApplication,
    Func<WorkflowApplicationIdleEventArgs, string> timeout
);
```

### Visual Basic

```vbnet
<ExtensionAttribute> __ Public Shared Function RunEpisode ( __
    workflowApplication As WorkflowApplication, __
    idleEventCallback As Func(Of WorkflowApplicationIdleEventArgs, String) timeout As TimeSpan __
) As WorkflowEpisodeResult
```

### Visual C++

```cpp
public:
    [ExtensionAttribute]
    static WorkflowEpisodeResult^ RunEpisode(
        WorkflowApplication^ workflowApplication, __
        Func<WorkflowApplicationIdleEventArgs^, String> timeout
    );
```

## Parameters

- **workflowApplication**
  Type: `System.Activities.WorkflowApplication`
  The workflow application.

- **idleEventCallback**
Type: `System.Func<WorkflowApplicationIdleEventArgs, String, Boolean>`
The idle event callback.

`timeout`
Type: `System.TimeSpan`
The timeout

**Return Value**
The episode result

**Usage Note**
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisode Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisode Method
(WorkflowApplication, String, UnhandledExceptionAction)

WorkflowApplicationExtensions Class See Also Send Feedback

Returns a task that runs a workflow episode

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public static WorkflowEpisodeResult RunEpisode(
    this WorkflowApplication workflowApplication,
    string waitForBookmarkName,
    UnhandledExceptionAction unhandledExceptionAction
)
```

Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisode (_
    workflowApplication As WorkflowApplication,
    waitForBookmarkName As String,
    unhandledExceptionAction As UnhandledExceptionAction
) As WorkflowEpisodeResult
```

Visual C++

```cpp
public:
[ExtensionAttribute]
static WorkflowEpisodeResult^ RunEpisode(
    WorkflowApplication^ workflowApplication,
    String^ waitForBookmarkName,
    UnhandledExceptionAction unhandledExceptionAction
)
```

Parameters

`workflowApplication`
Type: `System.Activities.WorkflowApplication`
The workflow application.

`waitForBookmarkName`
Type: `System.String`
The bookmark name.

`unhandledExceptionAction`
Type: `System.Activities.UnhandledExceptionAction`
The unhandled Exception Action.

**Return Value**
The episode result

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisode Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisode Method
(WorkflowApplication, String, TimeSpan)

WorkflowApplicationExtensions Class See Also Send Feedback

Returns a task that runs a workflow episode

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

**C#**

```csharp
public static WorkflowEpisodeResult RunEpisode(
    this WorkflowApplication workflowApplication,
    string waitForBookmarkName,
    TimeSpan timeout
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisode ( _
    workflowApplication As WorkflowApplication, _
    waitForBookmarkName As String, _
    timeout As TimeSpan _
) As WorkflowEpisodeResult
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
    static WorkflowEpisodeResult^ RunEpisode(
        WorkflowApplication^ workflowApplication,
        String^ waitForBookmarkName,
        TimeSpan timeout
    )
```

**Parameters**

- `workflowApplication`
  Type: `System.Activities.WorkflowApplication`
  The workflow application.

- `waitForBookmarkName`
Type: \texttt{System.String}
The bookmark name.

\textit{timeout}
Type: \texttt{System.TimeSpan}
The timeout.

\textbf{Return Value}
The episode result

\textbf{Usage Note}
In Visual Basic and C#, you can call this method as an instance method on any object of type \texttt{WorkflowApplication}. When you use instance method syntax to call this method, omit the first parameter. For more information, see \texttt{Extension Methods (Visual Basic)} or \texttt{Extension Methods (C# Programming Guide)}. 
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisode Overload
Microsoft.Activities.Extensions Namespace
Returns a task that runs a workflow episode

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public static WorkflowEpisodeResult RunEpisode(
    this WorkflowApplication workflowApplication,
    string waitForBookmarkName,
    UnhandledExceptionAction unhandledExceptionAction,
    TimeSpan timeout
)
```

### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisode ( _
    workflowApplication As WorkflowApplication, _
    waitForBookmarkName As String, _
    unhandledExceptionAction As UnhandledExceptionAction, _
    timeout As TimeSpan _
) As WorkflowEpisodeResult
```

### Visual C++

```cpp
public:
    [ExtensionAttribute]
    static WorkflowEpisodeResult^ RunEpisode(  
        WorkflowApplication^ workflowApplication,  
        String^ waitForBookmarkName,  
        UnhandledExceptionAction unhandledExceptionAction,  
        TimeSpan timeout
    )
```

## Parameters

- `workflowApplication`
Type: **System.Activities.WorkflowApplication**  
The workflow application.

`waitForBookmarkName`  
Type: **System.String**  
The bookmark name.

`unhandledExceptionAction`  
Type: **System.Activities.UnhandledExceptionAction**  
The unhandled Exception Action.

`timeout`  
Type: **System.TimeSpan**  
The timeout.

**Return Value**  
The episode result

**Usage Note**  
In Visual Basic and C#, you can call this method as an instance method on any object of type **WorkflowApplication**. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/visualbasic/language/extension-methods) or [Extension Methods (C# Programming Guide)](https://docs.microsoft.com/dotnet/csharp/language-reference/keywords/extension-methods).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisode Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisodeAsync Method

WorkflowApplicationExtensions Class See Also Send Feedback
## Overload List

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<td>Runs a workflow until the activity is Closed, Faulted, Idle or Timeout</td>
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<td>Returns a task that runs a workflow episode</td>
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<td>Returns a task that runs a workflow episode</td>
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<td>RunEpisodeAsync(WorkflowApplication, String, UnhandledExceptionAction)</td>
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<td>Returns a task that runs a workflow episode</td>
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See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisodeAsync Method
(WorkflowApplication)

WorkflowApplicationExtensions Class See Also Send Feedback

Runs a workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

### C#

```csharp
public static Task<WorkflowEpisodeResult> RunEpisodeAsync(this WorkflowApplication workflowApplication)
```

### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisodeAsync (_
    workflowApplication As WorkflowApplication _
) As Task(Of WorkflowEpisodeResult)
```

### Visual C++

```cpp
public:
[ExtensionAttribute]
static Task<WorkflowEpisodeResult^>^ RunEpisodeAsync(_
    WorkflowApplication^ workflowApplication
)
```

#### Parameters

- `workflowApplication`
  - Type: `System.Activities.WorkflowApplication`
  - The workflow application.

#### Return Value

A task that will run the workflow

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any
object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
Runs a workflow until the activity is Closed, Faulted, Idle or Timeout

**Namespace:** [Microsoft.Activities.Extensions](http://example.com)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public static Task<WorkflowEpisodeResult> RunEpisodeAsync(this WorkflowApplication workflowApplication, UnhandledExceptionAction unhandledExceptionAction)
```

### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisodeAsync ( _
    workflowApplication As WorkflowApplication, _
    unhandledExceptionAction As UnhandledExceptionAction
) As Task(Of WorkflowEpisodeResult)
```

### Visual C++

```cpp
public:
    [ExtensionAttribute]
    static Task<WorkflowEpisodeResult^>^ RunEpisodeAsync(
        WorkflowApplication^ workflowApplication, 
        UnhandledExceptionAction unhandledExceptionAction
    )
```

## Parameters

**workflowApplication**
Type: `System.Activities.WorkflowApplication`
The workflow application.

**unhandledExceptionAction**
Type: `System.Activities.UnhandledExceptionAction`
The unhandledExceptionAction.
**Return Value**
A task that will run the workflow

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
Returns a task that runs a workflow episode

**Namespace:** [Microsoft.Activities.Extensions](https://github.com/microsoft/activities-sample-light-weight-workflow-extension)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static Task<WorkflowEpisodeResult> RunEpisodeAsync(
    this WorkflowApplication workflowApplication,
    Func<WorkflowApplicationIdleEventArgs, string>)
```

#### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisodeAsync (_
    workflowApplication As WorkflowApplication,
    idleEventCallback As Func(Of WorkflowApplicationIdleEventArgs, String)) As Task(Of WorkflowEpisodeResult)
```

#### Visual C++

```cpp
public:
[ExtensionAttribute]
static Task<WorkflowEpisodeResult^>^ RunEpisodeAsync(
    WorkflowApplication^ workflowApplication,
    Func<WorkflowApplicationIdleEventArgs^, String>)
```

### Parameters

**workflowApplication**
Type: `System.Activities.WorkflowApplication`
The workflow application.

**idleEventCallback**
Type: `System.Func(WorkflowApplicationIdleEventArgs, String, Boolean)`
The idle event callback.
**Return Value**
A task for running the workflow episode

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](link) or [Extension Methods (C# Programming Guide)](link).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisodeAsync Method
(WorkflowApplication, String)

See Also: Send Feedback

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Returns a task that runs a workflow episode
## Parameters

**workflowApplication**

Type: `System.Activities.WorkflowApplication`

The workflow application.

**waitForBookmarkName**

Type: `System.String`

The bookmark name.
**Return Value**
A task for running the workflow episode

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://example.com) or [Extension Methods (C# Programming Guide)](http://example.com).
See Also

- WorkflowApplicationExtensions Class
- WorkflowApplicationExtensions Members
- RunEpisodeAsync Overload
- Microsoft.Activities.Extensions Namespace
WorkflowApplicationExtensions.RunEpisodeAsync Method
(WorkflowApplication, CancellationToken)

Returns a task that runs a workflow episode

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static Task<WorkflowEpisodeResult> RunEpisodeAsync(WorkflowApplication workflowApplication, CancellationToken token)
```

#### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisodeAsync ( workflowApplication As WorkflowApplication, token As CancellationToken _
) As Task(Of WorkflowEpisodeResult)
```

#### Visual C++

```cpp
public:
[ExtensionAttribute]
static Task<WorkflowEpisodeResult^>^ RunEpisodeAsync(WorkflowApplication^ workflowApplication, CancellationToken token)
```

### Parameters

- **workflowApplication**
  - Type: `System.Activities.WorkflowApplication`
  - The workflow application.

- **token**
  - Type: `System.Threading.CancellationToken`
  - The cancellation token.
**Return Value**
A task for running the workflow episode

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](#) or [Extension Methods (C# Programming Guide)](#).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisodeAsync Method
(WorkflowApplication, TimeSpan)

WorkflowApplicationExtensions Class See Also Send Feedback

Runs a workflow until the activity is Closed, Faulted, Idle or Timeout

**Namespace:** Microsoft.Activities.Extensions  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public static Task<WorkflowEpisodeResult> RunEpisodeAsync(this WorkflowApplication workflowApplication, TimeSpan timeout)
```

### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisodeAsync (_
    workflowApplication As WorkflowApplication, _
    timeout As TimeSpan _
) As Task(Of WorkflowEpisodeResult)
```

### Visual C++

```cpp
public:
[ExtensionAttribute]
static Task<WorkflowEpisodeResult>^ RunEpisodeAsync(
    WorkflowApplication^ workflowApplication, _
    TimeSpan timeout)
```

## Parameters

### workflowApplication
Type: `System.Activities.WorkflowApplication`
The workflow application.

### timeout
Type: `System.TimeSpan`
The timeout.
**Return Value**

A task that will run the workflow

**Usage Note**

In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](#) or [Extension Methods (C# Programming Guide)](#).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisodeAsync Method
(WorkflowApplication, UnhandledExceptionAction, CancellationToken)

WorkflowApplicationExtensions Class See Also Send Feedback

Returns a task that runs a workflow episode

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

### C#

```csharp
public static Task<WorkflowEpisodeResult> RunEpisodeAsync(
    this WorkflowApplication workflowApplication,
    UnhandledExceptionAction unhandledExceptionAction,
    CancellationToken token
)
```

### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisodeAsync ( _
    workflowApplication As WorkflowApplication, _
    unhandledExceptionAction As UnhandledExceptionAction, _
    token As CancellationToken _
) As Task(Of WorkflowEpisodeResult)
```

### Visual C++

```cpp
public:
[ExtensionAttribute]
static Task<WorkflowEpisodeResult>^ RunEpisodeAsync(
    WorkflowApplication^ workflowApplication, _
    UnhandledExceptionAction unhandledExceptionAction,
    CancellationToken token
)
```

#### Parameters

- **workflowApplication**
  Type: `System.Activities.WorkflowApplication`
  The workflow application.

- **unhandledExceptionAction**
Type: `System.Activities.UnhandledExceptionAction`
The unhandled Exception Action.

`token`
Type: `System.Threading.CancellationToken`
The cancellation token.

**Return Value**
A task for running the workflow episode

**Usage Note**
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
Runs a workflow until the activity is Closed, Faulted, Idle or Timeout

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Parameters

- **workflowApplication**
  Type: **System.Activities.WorkflowApplication**
  The workflow application.

- **unhandledExceptionAction**
Type: System.Activities.UnhandledExceptionAction
The unhandledExceptionAction.

timeout
Type: System.TimeSpan
The timeout.

**Return Value**
A task that will run the workflow

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisodeAsync Method
(WorkflowApplication, Func(WorkflowApplicationIdleEventArgs, String, Boolean), UnhandledExceptionAction)

WorkflowApplicationExtensions Class See Also Send Feedback

Returns a task that runs a workflow episode

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

**C#**

```csharp
public static Task<WorkflowEpisodeResult> RunEpisodeAsync(
    this WorkflowApplication workflowApplication,
    Func<WorkflowApplicationIdleEventArgs, string, UnhandledExceptionAction> unhandledExceptionAction)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisodeAsync ( _
    workflowApplication As WorkflowApplication, _
    idleEventCallback As Func(Of WorkflowApplicationIdleEventArgs, String, UnhandledExceptionAction) As UnhandledExceptionAction) As Task(Of WorkflowEpisodeResult)
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
static Task<WorkflowEpisodeResult>^ RunEpisodeAsync(WorkflowApplication^ workflowApplication, Func<WorkflowApplicationIdleEventArgs^, String, UnhandledExceptionAction> unhandledExceptionAction)
```

**Parameters**

- `workflowApplication`
  Type: `System.Activities.WorkflowApplication`
  The workflow application.

- `idleEventCallback`
Type: **System.Func(WorkflowApplicationIdleEventArgs, String, Boolean)**
The idle event callback.

*unhandledExceptionAction*
Type: **System.Activities.UnhandledExceptionAction**
The unhandled Exception Action.

**Return Value**
A task for running the workflow episode

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type **WorkflowApplication**. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/en-us/dotnet/framework/visual-basic/extension-methods) or [Extension Methods (C# Programming Guide)](https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide/extension-methods).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisodeAsync Method
(WorkflowApplication, Func(WorkflowApplicationIdleEventArgs, String, Boolean), CancellationToken)

WorkflowApplicationExtensions Class See Also Send Feedback

Returns a task that runs a workflow episode

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
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```csharp
public static Task<WorkflowEpisodeResult> RunEpisodeAsync(this WorkflowApplication workflowApplication, Func<WorkflowApplicationIdleEventArgs, string, CancellationToken> token)
```

Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisodeAsync ( _
    workflowApplication As WorkflowApplication, _
    idleEventCallback As Func(Of WorkflowApplicationIdleEventArgs, String, CancellationToken) _
) As Task(Of WorkflowEpisodeResult)
```

Visual C++

```cpp
public:
[ExtensionAttribute]
static Task<WorkflowEpisodeResult>^ RunEpisodeAsync(WorkflowApplication^ workflowApplication, Func<WorkflowApplicationIdleEventArgs^, String, CancellationToken> token)
```

Parameters

- `workflowApplication`
  Type: `System.Activities.WorkflowApplication`
  The workflow application.

- `idleEventCallback`
Type: `System.Func<WorkflowApplicationIdleEventArgs, String, Boolean>`
The idle event callback.

`token`
Type: `System.Threading.CancellationToken`
The cancellation token.

**Return Value**
A task for running the workflow episode

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

- WorkflowApplicationExtensions Class
- WorkflowApplicationExtensions Members
- RunEpisodeAsync Overload
- Microsoft.Activities.Extensions Namespace
Returns a task that runs a workflow episode

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static Task<WorkflowEpisodeResult> RunEpisodeAsync
    (WorkflowApplication workflowApplication,
    string waitForBookmarkName,
    UnhandledExceptionAction unhandledExceptionAction);
```

#### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisodeAsync ( _
    workflowApplication As WorkflowApplication, _
    waitForBookmarkName As String, _
    unhandledExceptionAction As UnhandledExceptionAction _
) As Task(Of WorkflowEpisodeResult)
```

#### Visual C++

```cpp
public:
[ExtensionAttribute]
static Task<WorkflowEpisodeResult^>^ RunEpisodeAsync
    (WorkflowApplication^ workflowApplication,
    String^ waitForBookmarkName,
    UnhandledExceptionAction unhandledExceptionAction);
```

---

### Parameters

- **workflowApplication**
  Type: `System.Activities.WorkflowApplication`
  The workflow application.

- **waitForBookmarkName**
Type: `System.String`
The bookmark name.

`unhandledExceptionAction`
Type: `System.Activities.UnhandledExceptionAction`
The unhandled Exception Action.

**Return Value**
A task for running the workflow episode

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](Extension Methods (Visual Basic)) or [Extension Methods (C# Programming Guide)].
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisodeAsync Method
(WorkflowApplication, String, CancellationToken)

WorkflowApplicationExtensions Class See Also Send Feedback

Returns a task that runs a workflow episode

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static Task<WorkflowEpisodeResult> RunEpisodeAsync
    (WorkflowApplication workflowApplication,
    string waitForBookmarkName,
    CancellationToken token)
```

#### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisodeAsync (_
    workflowApplication As WorkflowApplication,
    waitForBookmarkName As String, _
    token As CancellationToken _
) As Task(Of WorkflowEpisodeResult)
```

#### Visual C++

```cpp
public:
    [ExtensionAttribute]
    static Task<WorkflowEpisodeResult^>^ RunEpisodeAsync
        (WorkflowApplication^ workflowApplication,
        String^ waitForBookmarkName,
        CancellationToken token)
```

### Parameters

**workflowApplication**

Type: `System.Activities.WorkflowApplication`

The workflow application.

**waitForBookmarkName**
Type: **System.String**
The bookmark name.

*token*
Type: **System.Threading.CancellationToken**
The cancellation token

**Return Value**
A task for running the workflow episode

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type **WorkflowApplication**. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/en-us/dotnet/visual-basic/extension-methods) or [Extension Methods (C# Programming Guide)](https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide/extension-methods).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisodeAsync Method (WorkflowApplication, String, TimeSpan)

WorkflowApplicationExtensions Class See Also Send Feedback

Returns a task that runs a workflow episode

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

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```csharp
public static Task<WorkflowEpisodeResult> RunEpisodeAsync(
    WorkflowApplication workflowApplication,
    string waitForBookmarkName,
    TimeSpan timeout
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisodeAsync ( _
    workflowApplication As WorkflowApplication, _
    waitForBookmarkName As String, _
    timeout As TimeSpan _
) As Task(Of WorkflowEpisodeResult)
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
static Task<WorkflowEpisodeResult>^ RunEpisodeAsync(
    WorkflowApplication^ workflowApplication,
    String^ waitForBookmarkName,
    TimeSpan timeout
)
```

### Parameters

- **workflowApplication**
  - Type: `System.Activities.WorkflowApplication`
  - The workflow application.

- **waitForBookmarkName**
Type: `System.String`
The bookmark name.

`timeout`
Type: `System.TimeSpan`
The timeout.

**Return Value**
A task for running the workflow episode

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisodeAsync Method
(WorkflowApplication, UnhandledExceptionAction, TimeSpan, CancellationToken)

WorkflowApplicationExtensions Class See Also Send Feedback

Returns a task that runs a workflow episode

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>C#</td>
<td>public static Task&lt;WorkflowEpisodeResult&gt; RunEpisodeAsync(WorkflowApplication workflowApplication, UnhandledExceptionAction unhandledExceptionAction, TimeSpan timeout, CancellationToken token)</td>
</tr>
<tr>
<td>Visual Basic</td>
<td>&lt;ExtensionAttribute&gt; _ Public Shared Function RunEpisodeAsync ( _ workflowApplication As WorkflowApplication, _ unhandledExceptionAction As UnhandledExceptionAction _ timeout As TimeSpan, _ token As CancellationToken _ ) As Task(Of WorkflowEpisodeResult)</td>
</tr>
<tr>
<td>Visual C++</td>
<td>public: [ExtensionAttribute] static Task&lt;WorkflowEpisodeResult&gt;^ RunEpisodeAsync(WorkflowApplication^ workflowApplication, UnhandledExceptionAction unhandledExceptionAction, TimeSpan timeout, CancellationToken token)</td>
</tr>
</tbody>
</table>

### Parameters

workflowApplication
Return Value
A task for running the workflow episode

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

_workflowApplicationExtensions Class
_workflowApplicationExtensions Members
_RunEpisodeAsync Overload
_Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisodeAsync Method
(WorkflowApplication, Func(WorkflowApplicationIdleEventArgs, String, Boolean), UnhandledExceptionAction, CancellationToken)

WorkflowApplicationExtensions Class See Also Send Feedback

Returns a task that runs a workflow episode

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static Task<WorkflowEpisodeResult> RunEpisodeAsync(this WorkflowApplication workflowApplication, Func<WorkflowApplicationIdleEventArgs, string, UnhandledExceptionAction> unhandledExceptionAction, CancellationToken token)
```

#### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisodeAsync ( _
    workflowApplication As WorkflowApplication, _
    idleEventCallback As Func(Of WorkflowApplicationIdleEventArgs, String, UnhandledExceptionAction) As UnhandledExceptionAction, _
    token As CancellationToken _
) As Task(Of WorkflowEpisodeResult)
```

#### Visual C++

```cpp
public:
    [ExtensionAttribute]
static Task<WorkflowEpisodeResult>^ RunEpisodeAsync( _
    WorkflowApplication^ workflowApplication, _
    Func<WorkflowApplicationIdleEventArgs^, String^, UnhandledExceptionAction^> unhandledExceptionAction, _
    CancellationToken^ token
)
```

### Parameters

- `workflowApplication`
Type: `System.Activities.WorkflowApplication`
The workflow application.

`idleEventCallback`
Type: `System.Func<WorkflowApplicationIdleEventArgs, string, bool>`
The idle event callback.

`unhandledExceptionAction`
Type: `System.ActivitiesUnhandledExceptionAction`
The unhandled Exception Action.

`token`
Type: `System.Threading.CancellationToken`
The cancellation token.

**Return Value**
A task for running the workflow episode

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://dotnet.github.io/docs/extension-methods) or [Extension Methods (C# Programming Guide)](https://dotnet.github.io/docs/csharp/programming-guide/extension-methods).
See Also

- WorkflowApplicationExtensions Class
- WorkflowApplicationExtensions Members
- RunEpisodeAsync Overload
- Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisodeAsync Method
(WorkflowApplication, Func(WorkflowApplicationIdleEventArgs, String, Boolean), UnhandledExceptionAction, TimeSpan)

WorkflowApplicationExtensions Class See Also Send Feedback

Returns a task that runs a workflow episode

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
</table>
| public static `Task<WorkflowEpisodeResult>` RunEpisodeAsync(>
| this `WorkflowApplication` workflowApplication, Func<`WorkflowApplicationIdleEventArgs`, string `UnhandledExceptionAction` unhandledExceptionAction As `UnhandledExceptionAction`, `TimeSpan` timeout |
| <`ExtensionAttribute`> _
| Public Shared Function RunEpisodeAsync ( _
| workflowApplication As `WorkflowApplication`, _
| idleEventCallback As Func(Of `WorkflowApplicationIdleEventArgs`, `String`), _
| unhandledExceptionAction As `UnhandledExceptionAction`, _
| timeout As `TimeSpan` _
| ) As `Task(Of WorkflowEpisodeResult)` |
| public: |
| [`ExtensionAttribute`] |
| static `Task<WorkflowEpisodeResult>`^ RunEpisodeAsync(>
| `WorkflowApplication`^ workflowApplication, Func<`WorkflowApplicationIdleEventArgs`, `String`^, `String`^, `String`^, `TimeSpan` timeout |
| Parameters

workflowApplication
Type: **System.Activities.WorkflowApplication**
The workflow application.

*idleEventCallback*
Type: **System.Func(WorkflowApplicationIdleEventArgs, String, Boolean)**
The idle event callback.

*unhandledExceptionAction*
Type: **System.Activities.UnhandledExceptionAction**
The unhandled Exception Action.

*timeout*
Type: **System.TimeSpan**
The timeout.

**Return Value**
A task for running the workflow episode

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type **WorkflowApplication**. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/en-us/dotnet/visual-basic/extension-methods) or [Extension Methods (C# Programming Guide)](https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide/extension-methods).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationExtensions.RunEpisodeAsync Method
(WorkflowApplication, String, UnhandledExceptionAction, CancellationToken)

WorkflowApplicationExtensions Class See Also Send Feedback

Returns a task that runs a workflow episode

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public static Task<WorkflowEpisodeResult> RunEpisodeAsync(this WorkflowApplication workflowApplication, string waitForBookmarkName, UnhandledExceptionAction unhandledExceptionAction, CancellationToken token)
```

**Visual Basic**

```vb
<ExtensionAttribute> _
Public Shared Function RunEpisodeAsync (_
    workflowApplication As WorkflowApplication, _
    waitForBookmarkName As String, _
    unhandledExceptionAction As UnhandledExceptionAction, _
    token As CancellationToken _
) As Task(Of WorkflowEpisodeResult)
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
static Task<WorkflowEpisodeResult>^ RunEpisodeAsync(
    WorkflowApplication^ workflowApplication, _
    String^ waitForBookmarkName, _
    UnhandledExceptionAction unhandledExceptionAction, _
    CancellationToken token
)
```

### Parameters

`workflowApplication`
Type: System.Activities.WorkflowApplication
The workflow application.

waitForBookmarkName
Type: System.String
The bookmark name.

unhandledExceptionAction
Type: System.ActivitiesUnhandledExceptionAction
The unhandled Exception Action.

token
Type: System.Threading.CancellationToken
The cancellation token

Return Value
A task for running the workflow episode

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
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WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisodeAsync Overload
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WorkflowApplicationExtensions.RunEpisodeAsync Method
(WorkflowApplication, String, UnhandledExceptionAction, TimeSpan)

WorkflowApplicationExtensions Class See Also Send Feedback

Returns a task that runs a workflow episode

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
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public static Task<WorkflowEpisodeResult> RunEpisodeAsync(
    this WorkflowApplication workflowApplication,
    string waitForBookmarkName,
    UnhandledExceptionAction unhandledExceptionAction,
    TimeSpan timeout
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### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisodeAsync ( _
    workflowApplication As WorkflowApplication, _
    waitForBookmarkName As String, _
    unhandledExceptionAction As UnhandledExceptionAction _
    timeout As TimeSpan _
) As Task(Of WorkflowEpisodeResult)
```

### Visual C++

```cpp
public:
    [ExtensionAttribute]
static Task<WorkflowEpisodeResult>^ RunEpisodeAsync(
    WorkflowApplication^ workflowApplication, _
    String^ waitForBookmarkName, _
    UnhandledExceptionAction unhandledExceptionAction _
    TimeSpan timeout
)
```

## Parameters

- `workflowApplication`
Type: `System.Activities.WorkflowApplication`
The workflow application.

`waitForBookmarkName`
Type: `System.String`
The bookmark name.

`unhandledExceptionAction`
Type: `System.Activities.UnhandledExceptionAction`
The unhandled Exception Action.

`timeout`
Type: `System.TimeSpan`
The timeout.

**Return Value**
A task for running the workflow episode

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
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WorkflowApplicationExtensions Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
Returns a task that runs a workflow episode

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
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)
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Visual Basic

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    workflowApplication As WorkflowApplication,
    waitForBookmarkName As String,
    timeout As TimeSpan,
    token As CancellationToken _
) As Task(Of WorkflowEpisodeResult)
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Visual C++

```cpp
public:
[ExtensionAttribute]
static Task<WorkflowEpisodeResult>^ RunEpisodeAsync(
    WorkflowApplication^ workflowApplication,
    String^ waitForBookmarkName,
    TimeSpan timeout,
    CancellationToken token
)
```

Parameters

`workflowApplication`
Type: `System.Activities.WorkflowApplication`
The workflow application.

`waitForBookmarkName`
Type: `System.String`
The bookmark name.

`timeout`
Type: `System.TimeSpan`
The timeout.

`token`
Type: `System.Threading.CancellationToken`
The cancellation token

**Return Value**
A task for running the workflow episode

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplication`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](link) or [Extension Methods (C# Programming Guide)](link).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
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WorkflowApplicationExtensions.RunEpisodeAsync Method
(WorkflowApplication, Func(WorkflowApplicationIdleEventArgs, String, Boolean), UnhandledExceptionAction, TimeSpan, CancellationToken)

See Also: WorkflowApplicationExtensions Class

Returns a task that runs a workflow episode

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
</table>
| **C#**       | `public static Task<WorkflowEpisodeResult> RunEpisodeAsync(
this WorkflowApplication workflowApplication,
Func<WorkflowApplicationIdleEventArgs, string> unhandledExceptionAction,
TimeSpan timeout,
CancellationToken token)` |
| **Visual Basic** | `<ExtensionAttribute> _
Public Shared Function RunEpisodeAsync ( _
    workflowApplication As WorkflowApplication,
    idleEventCallback As Func(Of WorkflowApplicationIdleEventArgs,
    UnhandledExceptionAction As UnhandledExceptionAction,
    timeout As TimeSpan,
    token As CancellationToken _
) As Task(Of WorkflowEpisodeResult)` |
| **Visual C++** | `public:
    [ExtensionAttribute]
static Task<WorkflowEpisodeResult>^ RunEpisodeAsync(
    WorkflowApplication^ workflowApplication,
    Func<WorkflowApplicationIdleEventArgs^, String, UnhandledExceptionAction unhandledExceptionAction,
    timeout As TimeSpan, 
    CancellationToken^ token
)` |
Parameters

workflowApplication
Type: System.Activities.WorkflowApplication
The workflow application.

idleEventCallback
Type: System.Func(WorkflowApplicationIdleEventArgs, String, Boolean)
The idle event callback.

unhandledExceptionAction
Type: System.ActivitiesUnhandledExceptionAction
The unhandled Exception Action.

timeout
Type: System.TimeSpan
The timeout.

token
Type: System.Threading.CancellationToken
The cancellation token.

Return Value
A task for running the workflow episode

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
WorkflowApplicationExtensions.RunEpisodeAsync Method
(WorkflowApplication, String, UnhandledExceptionAction, TimeSpan, CancellationToken)

WorkflowApplicationExtensions Class See Also Send Feedback

Returns a task that runs a workflow episode

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static Task<WorkflowEpisodeResult> RunEpisodeAsync(this WorkflowApplication workflowApplication, string waitForBookmarkName, UnhandledExceptionAction unhandledExceptionAction, TimeSpan timeout, CancellationToken token)
```

#### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function RunEpisodeAsync ( _
    workflowApplication As WorkflowApplication, _
    waitForBookmarkName As String, _
    unhandledExceptionAction As UnhandledExceptionAction, _
    timeout As TimeSpan, _
    token As CancellationToken _
) As Task(Of WorkflowEpisodeResult)
```

#### Visual C++

```cpp
public:
[ExtensionAttribute]
static Task<WorkflowEpisodeResult>^ RunEpisodeAsync(WorkflowApplication^ workflowApplication, String^ waitForBookmarkName, UnhandledExceptionAction unhandledExceptionAction, TimeSpan timeout, CancellationToken^ token)
```
Parameters

workflowApplication
Type: System.Activities.WorkflowApplication
The workflow application.

waitForBookmarkName
Type: System.String
The bookmark name.

unhandledExceptionAction
Type: System.ActivitiesUnhandledExceptionAction
The unhandled Exception Action.

timeout
Type: System.TimeSpan
The timeout.

token
Type: System.Threading.CancellationToken
The cancellation token

Return Value
A task for running the workflow episode

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any object of type WorkflowApplication. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationExtensions Class
WorkflowApplicationExtensions Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
The workflow application idle event args ex.

**Namespace:** [Microsoft.Activities.Extensions](https://docs.microsoft.com/en-us/dotnet/api/Microsoft.Activities.Extensions)  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

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<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public static class WorkflowApplicationIdleEventArgsEx</code></td>
</tr>
</tbody>
</table>
| **Visual Basic** | `<ExtensionAttribute> _
Public NotInheritable Class WorkflowApplicationIdleEventArgsEx` |
| **Visual C++** | `[ExtensionAttribute]
public ref class WorkflowApplicationIdleEventArgsEx` |
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.WorkflowApplicationIdleEventArgsEx
See Also

WorkflowApplicationIdleEventArgsEx Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowApplicationIdleEventArgsEx Members

WorkflowApplicationIdleEventArgsEx Class Methods See Also Send Feedback

The WorkflowApplicationIdleEventArgsEx type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>🌳 ContainsBookmark</td>
<td>Extension method which determines if the bookmark collection contains a bookmark with the bookmark name</td>
</tr>
<tr>
<td>🌳 GetBookmarkNames</td>
<td>The get bookmark names.</td>
</tr>
</tbody>
</table>
See Also

WorkflowApplicationIdleEventArgsEx Class
Microsoft.Activities.Extensions Namespace
The **WorkflowApplicationIdleEventArgsEx** type exposes the following members.
## Methods

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<td>ContainsBookmark</td>
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<td>GetBookmarkNames</td>
<td>The get bookmark names.</td>
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</table>
See Also

WorkflowApplicationIdleEventArgsEx Class
Microsoft.Activities.Extensions Namespace
Extension method which determines if the bookmark collection contains a bookmark with the bookmark name

**Namespace:** Microsoft.Activities.Extensions  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public static bool ContainsBookmark(
    this WorkflowApplicationIdleEventArgs args,
    string bookmarkName
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Function ContainsBookmark ( _
    args As WorkflowApplicationIdleEventArgs, _
    bookmarkName As String _
) As Boolean
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
static bool ContainsBookmark(
    WorkflowApplicationIdleEventArgs^ args,
    String^ bookmarkName
)
```

### Parameters

**args**
Type: `System.Activities.WorkflowApplicationIdleEventArgs`
The idle event args.

**bookmarkName**
Type: `System.String`
The bookmark name.
**Return Value**
true if there is a bookmark with *bookmarkName*

**Usage Note**
Remarks

The WorkflowApplicationIdleEventArgs.Bookmarks property contains a ReadOnlyCollection<BookmarkInfo> which means you cannot use the Linq method Contains to test for a bookmark name. This method allows you to test for the presence of a bookmark by name
See Also

WorkflowApplicationIdleEventArgsEx Class
WorkflowApplicationIdleEventArgsEx Members
Microsoft.Activities.Extensions Namespace
WorkflowApplicationIdleEventArgsEx.GetBookmarkNames Method

The get bookmark names.

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public static IEnumerable<string> GetBookmarkNames(
    this WorkflowApplicationIdleEventArgs args)
```

### Visual Basic

```vbnet
<ExtensionAttribute> __
Public Shared Function GetBookmarkNames ( _
    args As WorkflowApplicationIdleEventArgs _
) As IEnumerable(Of String)
```

### Visual C++

```cpp
public:
[ExtensionAttribute]
static IEnumerable<String^>^ GetBookmarkNames(
    WorkflowApplicationIdleEventArgs^ args)
```

## Parameters

**args**

Type:  `System.Activities.WorkflowApplicationIdleEventArgs`

The event args.

## Return Value

The list of bookmarks

## Usage Note

In Visual Basic and C#, you can call this method as an instance method on any
object of type WorkflowApplicationIdleEventArgs. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowApplicationIdleEventArgsEx Class
WorkflowApplicationIdleEventArgsEx Members
Microsoft.Activities.Extensions Namespace
Dynamic object support for declaring input arguments for a workflow

**Namespace:** [Microsoft.Activities.Extensions](https://docs.microsoft.com/en-us/dotnet/framework/windows-services/microsoft-activities-extensions)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
[SerializableAttribute]
public class WorkflowArguments : DynamicObject,
    IDictionary<string, Object>, ICollection<KeyValuePair<string, Object>>, IEnumerable
```

#### Visual Basic

```vbnet
<SerializableAttribute>
Public Class WorkflowArguments
    Inherits DynamicObject
    Implements IDictionary(Of String, Object), ICollection(Of KeyValuePair(Of String, Object)), IEnumerable, ISerializable
```

#### Visual C++

```cpp
[SerializableAttribute]
public ref class WorkflowArguments : public DynamicObject
    IDictionary<String^, Object^>, ICollection<KeyValuePair<String^, Object^>>, IEnumerable, ISerializable
```
Inheritance Hierarchy

- System.Object
- System.Dynamic.DynamicObject
- Microsoft.Activities.Extensions.WorkflowArguments
See Also

WorkflowArguments Members
Microsoft.Activities.Extensions Namespace
The **WorkflowArguments** type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>WorkflowArguments()</code></td>
<td>Initializes a new instance of the <code>WorkflowArguments</code> class. Creates an instance of <code>WorkflowArguments</code></td>
</tr>
<tr>
<td><code>WorkflowArguments(IDictionary&lt;String, Object&gt;)</code></td>
<td>Initializes a new instance of the <code>WorkflowArguments</code> class. Creates an instance of <code>WorkflowArguments</code></td>
</tr>
<tr>
<td><code>WorkflowArguments(SerializationInfo, StreamingContext)</code></td>
<td>Initializes a new instance of the <code>WorkflowArguments</code> class.</td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Add</strong> (KeyValuePair (String, Object))</td>
<td>Adds an item to the ICollection(T).</td>
</tr>
<tr>
<td><strong>Add</strong> (String, Object)</td>
<td>Adds an element with the provided key and value to the IDictionary(TKey, TValue).</td>
</tr>
<tr>
<td><strong>Clear</strong></td>
<td>Removes all items from the ICollection(T).</td>
</tr>
<tr>
<td><strong>Contains</strong></td>
<td>Determines whether the ICollection(T) contains a specific value.</td>
</tr>
<tr>
<td><strong>ContainsKey</strong></td>
<td>Determines whether the IDictionary(TKey, TValue) contains an element with the specified key.</td>
</tr>
<tr>
<td><strong>CopyTo</strong></td>
<td>Copies the elements of the ICollection(T) Array, starting at a particular Array index.</td>
</tr>
<tr>
<td><strong>Equals</strong></td>
<td>Determines whether the specified Object is equal to the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the object is reclaimed by garbage collection. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>FromDictionary</strong></td>
<td>Creates WorkflowArguments from a Dictionary.</td>
</tr>
<tr>
<td><strong>GetDynamicMemberNames</strong></td>
<td>Returns the enumeration of all dynamic member names. (Inherited from DynamicObject.)</td>
</tr>
<tr>
<td><strong>GetEnumerator</strong></td>
<td>Returns an enumerator that iterates through the collection.</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Serves as a hash function for a particular type.                           (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>GetMetaObject</strong></td>
<td>Provides a DynamicMetaObject that dispatches to the dynamic virtual methods. The object encapsulated inside another DynamicMetaObject can provide custom behavior for individual actions. This method supports the Dynamic Language Runtime infrastructure for language implementation.</td>
</tr>
</tbody>
</table>
GetObjectData: The get object data.

GetType: Gets the Type of the current instance. (Inherited from Object.)

MemberwiseClone: Creates a shallow copy of the current Object. (Inherited from Object.)

Remove(KeyValuePair(String, Object)): Removes the first occurrence of a specific object from the ICollection(T).

Remove(String): Removes the element with the specified key from the IDictionary(TKey, TValue).

ToString: Returns a String that represents the current object. (Inherited from Object.)

TryBinaryOperation: Provides implementation for binary operations. Classes derived from the DynamicObject class can override this method to specify dynamic behavior for operations such as addition and multiplication. (Inherited from DynamicObject.)

TryConvert: Provides implementation for type conversion operations. Classes derived from the DynamicObject class can override this method to specify dynamic behavior for operations that convert an object from one type to another. (Inherited from DynamicObject.)

TryCreateInstance: Provides the implementation for operations that initialize a new instance of a dynamic object. This method is not intended for use in C# or Visual Basic. (Inherited from DynamicObject.)

TryDeleteIndex: Provides the implementation for operations that delete an object by index. This method is not intended for use in C# or Visual Basic. (Inherited from DynamicObject.)

TryDeleteMember: Provides the implementation for operations that delete an object member. This method is not intended for use in C# or Visual Basic. (Inherited from DynamicObject.)
<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
<th>Inherited From</th>
</tr>
</thead>
<tbody>
<tr>
<td>TryGetIndex</td>
<td>Provides the implementation for operations that get a value by index.</td>
<td>DynamicObject</td>
</tr>
<tr>
<td></td>
<td>Classes derived from the DynamicObject class can override this method to</td>
<td></td>
</tr>
<tr>
<td></td>
<td>specify dynamic behavior for indexing operations.</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>(Inherited from DynamicObject.)</em></td>
<td></td>
</tr>
<tr>
<td>TryGetMember</td>
<td>Provides the implementation for operations that get member values.</td>
<td>DynamicObject</td>
</tr>
<tr>
<td></td>
<td>Classes derived from the DynamicObject class can override this method to</td>
<td></td>
</tr>
<tr>
<td></td>
<td>specify dynamic behavior for operations such as getting a value for a</td>
<td></td>
</tr>
<tr>
<td></td>
<td>property.</td>
<td><em>(Overrides DynamicObject.TryGetMember(GetMemberBinder, Object).)</em></td>
</tr>
<tr>
<td>TryGetValue</td>
<td>Gets the value associated with the specified key.</td>
<td></td>
</tr>
<tr>
<td>TryInvoke</td>
<td>Provides the implementation for operations that invoke an object.</td>
<td>DynamicObject</td>
</tr>
<tr>
<td></td>
<td>Classes derived from the DynamicObject class can override this method to</td>
<td></td>
</tr>
<tr>
<td></td>
<td>specify dynamic behavior for operations such as invoking an object or a</td>
<td></td>
</tr>
<tr>
<td></td>
<td>delegate.</td>
<td><em>(Inherited from DynamicObject.)</em></td>
</tr>
<tr>
<td>TryInvokeMember</td>
<td>Provides the implementation for operations that invoke a member.</td>
<td>DynamicObject</td>
</tr>
<tr>
<td></td>
<td>Classes derived from the DynamicObject class can override this method to</td>
<td></td>
</tr>
<tr>
<td></td>
<td>specify dynamic behavior for operations such as calling a method.</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>(Inherited from DynamicObject.)</em></td>
<td></td>
</tr>
<tr>
<td>TrySetIndex</td>
<td>Provides the implementation for operations that set a value by index.</td>
<td>DynamicObject</td>
</tr>
<tr>
<td></td>
<td>Classes derived from the DynamicObject class can override this method to</td>
<td></td>
</tr>
<tr>
<td></td>
<td>specify dynamic behavior for operations such as accessing objects by a</td>
<td></td>
</tr>
<tr>
<td></td>
<td>specified index.</td>
<td><em>(Inherited from DynamicObject.)</em></td>
</tr>
<tr>
<td>TrySetMember</td>
<td>Provides the implementation for operations that set member values.</td>
<td>DynamicObject</td>
</tr>
<tr>
<td></td>
<td>Classes derived from the DynamicObject class can override this method to</td>
<td></td>
</tr>
<tr>
<td></td>
<td>specify dynamic behavior for operations such as accessing member values.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>specify dynamic behavior for operations such as setting a value for a property. (Overrides <code>DynamicObject.TrySetMember(SetMemberBinder, Object)</code>.)</td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TryUnaryOperation</strong> Provides implementation for unary operations. Classes derived from the <code>DynamicObject</code> override this method to specify dynamic behavior for operations such as negation, increment, or decrement. (Inherited from <code>DynamicObject</code>.)</td>
<td></td>
</tr>
</tbody>
</table>
## Extension Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ToDelimitedList(KeyValuePair(String, Object))</td>
<td>Converts a list of objects to a comma delimited string (Defined by ListExtensions.)</td>
</tr>
</tbody>
</table>
## Properties

<table>
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<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
</table>
| Count    | Gets the number of elements contained in the `IICollection<T>`.
| IsReadOnly | Gets a value indicating whether the `IICollection<T>` is read-only.                                                                  |
| Item     | Gets or sets the element with the specified key.                                                                                    |
| Keys     | Gets an `IICollection<T>` containing the keys of the `IDictionary<TKey, TValue>`.                                                       |
| Values   | Gets an `IICollection<T>` containing the values in the `IDictionary<TKey, TValue>`.

See Also

WorkflowArguments Class
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowArguments Constructor

WorkflowArguments Class See Also Send Feedback
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td><code>WorkflowArguments()</code></td>
<td>Initializes a new instance of the <code>WorkflowArguments</code> class. Creates an instance of <code>WorkflowArguments</code></td>
</tr>
<tr>
<td><code>WorkflowArguments(IDictionary(String, Object))</code></td>
<td>Initializes a new instance of the <code>WorkflowArguments</code> class. Creates an instance of <code>WorkflowArguments</code></td>
</tr>
<tr>
<td><code>WorkflowArguments(SerializationInfo, StreamingContext)</code></td>
<td>Initializes a new instance of the <code>WorkflowArguments</code> class.</td>
</tr>
</tbody>
</table>
See Also

- WorkflowArguments Class
- WorkflowArguments Members
- Microsoft.Activities.Extensions Namespace
Initializes a new instance of the `WorkflowArguments` class. Creates an instance of `WorkflowArguments`

**Namespace:** [Microsoft.Activities.Extensions](https://github.com/microsoft/Activities.Extensions)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
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<tr>
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</tr>
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<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
</tr>
<tr>
<td><code>public WorkflowArguments()</code></td>
<td></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td></td>
</tr>
<tr>
<td><code>Public Sub New</code></td>
<td></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td></td>
</tr>
<tr>
<td><code>public: WorkflowArguments()</code></td>
<td></td>
</tr>
</tbody>
</table>
See Also

- WorkflowArguments Class
- WorkflowArguments Members
- WorkflowArguments Overload
- Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

**WorkflowArguments Constructor (IDictionary(String, Object))**

**WorkflowArguments Class**

See Also

Send Feedback

Initializes a new instance of the **WorkflowArguments** class. Creates an instance of WorkflowArguments

**Namespace:** Microsoft.Activities.Extensions  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
**Syntax**

**C#**

```csharp
public WorkflowArguments(
    IDictionary<string, Object> args
)
```

**Visual Basic**

```vbnet
Public Sub New (_
    args As IDictionary(Of String, Object) _
)
```

**Visual C++**

```cpp
public:
WorkflowArguments(
    IDictionary<String^, Object^>^ args
)
```

**Parameters**

*args*

Type: `System.Collections.Generic.IDictionary(String, Object)`

A dictionary to pre-populate the arguments with
See Also

WorkflowArguments Class
WorkflowArguments Members
WorkflowArguments Overload
Microsoft.Activities.Extensions Namespace
Initializes a new instance of the **WorkflowArguments** class.

**Namespace:** Microsoft.Activities.Extensions  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

**C#**

```csharp
protected WorkflowArguments(
    SerializationInfo info,
    StreamingContext context
)
```

**Visual Basic**

```vbnet
Protected Sub New ( _
    info As SerializationInfo, _
    context As StreamingContext _
)
```

**Visual C++**

```cpp
protected:
WorkflowArguments(
    SerializationInfo^ info,
    StreamingContext context
)
```

Parameters

- **info**
  Type: `System.Runtime.Serialization.SerializationInfo`
  The info.

- **context**
  Type: `System.Runtime.Serialization.StreamingContext`
  The context.
See Also

- WorkflowArguments Class
- WorkflowArguments Members
- WorkflowArguments Overload
- Microsoft.Activities.Extensions Namespace
The **WorkflowArguments** type exposes the following members.
<table>
<thead>
<tr>
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<tbody>
<tr>
<td><code>Add(KeyValuePair&lt;String, Object&gt;)</code></td>
<td>Adds an item to the <code>ICollection&lt;T&gt;</code></td>
</tr>
<tr>
<td><code>Add(String, Object)</code></td>
<td>Adds an element with the provided key and value to the <code>IDictionary&lt;TKey, TValue&gt;</code></td>
</tr>
<tr>
<td><code>Clear</code></td>
<td>Removes all items from the <code>ICollection&lt;T&gt;</code></td>
</tr>
<tr>
<td><code>Contains</code></td>
<td>Determines whether the <code>ICollection&lt;T&gt;</code> contains a specific value.</td>
</tr>
<tr>
<td><code>ContainsKey</code></td>
<td>Determines whether the <code>IDictionary&lt;TKey, TValue&gt;</code> contains an element with the specified key.</td>
</tr>
<tr>
<td><code>CopyTo</code></td>
<td>Copies the elements of the <code>ICollection&lt;T&gt;</code> array, starting at a particular array index.</td>
</tr>
<tr>
<td><code>Equals</code></td>
<td>Determines whether the specified <code>Object</code> is equal to the current <code>Object</code>. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><code>Finalize</code></td>
<td>Allows an <code>Object</code> to attempt to free resources and perform other cleanup operations before the object is reclaimed by garbage collection. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><code>FromDictionary</code></td>
<td>Creates WorkflowArguments from a Dictionary</td>
</tr>
<tr>
<td><code>GetDynamicMemberNames</code></td>
<td>Returns the enumeration of all dynamic member names.                        (Inherited from <code>DynamicObject</code>.)</td>
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<tr>
<td><code>GetEnumerator</code></td>
<td>Returns an enumerator that iterates through the collection.</td>
</tr>
<tr>
<td><code>GetHashCode</code></td>
<td>Serves as a hash function for a particular <code>Object</code>.                        (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><code>GetMetaObject</code></td>
<td>Provides a <code>DynamicMetaObject</code> that dispatches to the dynamic virtual methods. The object can be encapsulated inside another <code>DynamicMetaObject</code> to provide custom behavior for individual actions. This method supports the Dynamic Language Runtime infrastructure for language implementers.</td>
</tr>
<tr>
<td>Method Name</td>
<td>Description</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
</tr>
<tr>
<td><strong>GetObjectData</strong></td>
<td>The get object data.</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Sets the hash code for the current object.</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Returns the hash code for this instance. (Inherited from <strong>DynamicObject</strong>.)</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the <strong>Type</strong> of the current instance. (Inherited from <strong>Object</strong>.)</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Returns a shallow copy of the current object. (Inherited from <strong>Object</strong>.)</td>
</tr>
<tr>
<td><strong>Remove(KeyValuePair&lt;T, Object&gt;)</strong></td>
<td>Removes the first occurrence of a specified object from the <strong>ICollection&lt;T&gt;</strong>.</td>
</tr>
<tr>
<td><strong>Remove(String)</strong></td>
<td>Removes the element with the specified key from the <strong>IDictionary&lt;TKey, TValue&gt;</strong>.</td>
</tr>
<tr>
<td><strong>ToString</strong></td>
<td>Returns a <strong>String</strong> that represents the current object. (Inherited from <strong>Object</strong>.)</td>
</tr>
<tr>
<td><strong>TryBinaryOperation</strong></td>
<td>Provides implementation for binary operations. Classes derived from the <strong>DynamicObject</strong> override this method to specify dynamic behavior for operations such as addition and multiplication. (Inherited from <strong>DynamicObject</strong>.)</td>
</tr>
<tr>
<td><strong>TryConvert</strong></td>
<td>Provides implementation for type conversion operations. Classes derived from the <strong>DynamicObject</strong> class can override this method to specify dynamic behavior for operations that convert an object from one type to another. (Inherited from <strong>DynamicObject</strong>.)</td>
</tr>
<tr>
<td><strong>TryCreateInstance</strong></td>
<td>Provides the implementation for operations that initialize a new instance of a dynamic object. This method is not intended for use in C# or Visual Basic. (Inherited from <strong>DynamicObject</strong>.)</td>
</tr>
<tr>
<td><strong>TryDeleteIndex</strong></td>
<td>Provides the implementation for operations that delete an object by index. This method is not intended for use in C# or Visual Basic. (Inherited from <strong>DynamicObject</strong>.)</td>
</tr>
<tr>
<td><strong>TryDeleteMember</strong></td>
<td>Provides the implementation for operations that delete an object member. This method is not intended for use in C# or Visual Basic. (Inherited from <strong>DynamicObject</strong>.)</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>TryGetIndex</strong></td>
<td>Provides the implementation for operations that get a value by index. Classes derived from the DynamicObject class can override this method to specify dynamic behavior for indexing operations.</td>
</tr>
<tr>
<td><strong>TryGetMember</strong></td>
<td>Provides the implementation for operations that get member values. Classes derived from the DynamicObject class can override this method to specify dynamic behavior for operations such as getting a value for a property.</td>
</tr>
<tr>
<td><strong>TryGetValue</strong></td>
<td>Gets the value associated with the specified key.</td>
</tr>
<tr>
<td><strong>TryInvoke</strong></td>
<td>Provides the implementation for operations that invoke an object. Classes derived from the DynamicObject class can override this method to specify dynamic behavior for operations such as invoking an object or a delegate.</td>
</tr>
<tr>
<td><strong>TryInvokeMember</strong></td>
<td>Provides the implementation for operations that invoke a member. Classes derived from the DynamicObject class can override this method to specify dynamic behavior for operations such as calling a method.</td>
</tr>
<tr>
<td><strong>TrySetIndex</strong></td>
<td>Provides the implementation for operations that set a value by index. Classes derived from the DynamicObject class can override this method to specify dynamic behavior for accessing objects by a specified index.</td>
</tr>
<tr>
<td><strong>TrySetMember</strong></td>
<td>Provides the implementation for operations that set member values. Classes derived from the DynamicObject class can override this method to specify dynamic behavior for member operations.</td>
</tr>
<tr>
<td></td>
<td>TryUnaryOperation</td>
</tr>
<tr>
<td>---</td>
<td>------------------</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>TryUnaryOperation</th>
<th>Provides implementation for unary operations. Classes derived from the <code>DynamicObject</code> override this method to specify dynamic behavior for operations such as negation, increment, and decrement. (Inherited from <code>DynamicObject</code>.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>specify dynamic behavior for operations such as setting a value for a property. (Overrides <code>DynamicObject.TrySetMember(SetMemberBinder, Object)</code>.)</td>
</tr>
<tr>
<td>Name</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>ToDelimitedList(KeyValuePair&lt;String, Object&gt;)</td>
<td>Converts a list of objects to a comma delimited string (Defined by ListExtensions.)</td>
<td></td>
</tr>
</tbody>
</table>
See Also

WorkflowArguments Class
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowArguments.Add Method

WorkflowArguments Class See Also Send Feedback
## Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add(KeyValuePair(String, Object))</td>
<td>Adds an item to the ICollection(T).</td>
</tr>
<tr>
<td>Add(String, Object)</td>
<td>Adds an element with the provided key and value to the IDictionary(TKey, TValue).</td>
</tr>
</tbody>
</table>
See Also

WorkflowArguments Class
WorkflowArguments Members
Microsoft.Activities.Extensions Namespace
WorkflowArguments.Add Method (KeyValuePair(String, Object))

Add Method (KeyValuePair(String, Object))

WorkflowArguments Class  See Also  Send Feedback

Adds an item to the ICollection(T).

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
</table>
| **C#**   | ```
public void Add(
    KeyValuePair<string, Object> item
)
``` |
| **Visual Basic** | ```
Public Sub Add (_
    item As KeyValuePair(Of String, Object) _
)
``` |
| **Visual C++**  | ```
public:
virtual void Add(
    KeyValuePair<String^, Object^> item
) sealed
``` |

### Parameters

- **item**
  - Type: `System.Collections.Generic.KeyValuePair<String, Object>`
  - The object to add to the ` ICollection<T>`.  

### Implements

- `ICollection<T>.Add(T)`
### Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>System.NotSupportedException</code></td>
<td>The <code>ICollection&lt;T&gt;</code> is read-only.</td>
</tr>
</tbody>
</table>
See Also

WorkflowArguments Class
WorkflowArguments Members
Add Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowArguments.Add Method (String, Object)

WorkflowArguments Class  See Also  Send Feedback

Adds an element with the provided key and value to the IDictionary(TKey, TValue).

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public void Add(string key, Object value)</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Sub Add (_key As String, _value As Object _)</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public: virtual void Add(String^ key, Object^ value)</code></td>
</tr>
</tbody>
</table>

#### Parameters

**key**

Type: `System.String`

The object to use as the key of the element to add.

**value**

Type: `System.Object`

The object to use as the value of the element to add.

#### Implements
IDictionary(TKey, TValue).Add(TKey, TValue)
### Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>System.ArgumentNullException</code></td>
<td><code>key</code> is null.</td>
</tr>
<tr>
<td><code>System.ArgumentException</code></td>
<td>An element with the same key already exists in the <code>IDictionary&lt;TKey, TValue&gt;</code>.</td>
</tr>
<tr>
<td><code>System.NotSupportedException</code></td>
<td>The <code>IDictionary&lt;TKey, TValue&gt;</code> is read-only.</td>
</tr>
</tbody>
</table>
See Also

WorkflowArguments Class
WorkflowArguments Members
Add Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowArguments.Clear Method

WorkflowArguments Class See Also Send Feedback

Removes all items from the ICollection(T).

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>public void Clear()</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Public Sub Clear</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>public: virtual void Clear() sealed</td>
</tr>
</tbody>
</table>

**Implements**

ICollection(T).Clear()
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>System.NotSupportedException</code></td>
<td>The <code>ICollection&lt;T&gt;</code> is read-only.</td>
</tr>
</tbody>
</table>
See Also

WorkflowArguments Class
WorkflowArguments Members
Microsoft.Activities.Extensions Namespace
Determines whether the `ICollection<T>` contains a specific value.

**Namespace:** Microsoft.Activities.Extensions  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public bool Contains(
    KeyValuePair<string, Object> item
)
```

#### Visual Basic

```vbnet
Public Function Contains (_
    item As KeyValuePair(Of String, Object) _
) As Boolean
```

#### Visual C++

```cpp
public:
    virtual bool Contains(
        KeyValuePair<String^, Object^> item
    ) sealed
```

### Parameters

**item**
Type: `System.Collections.Generic.KeyValuePair(String, Object)`
The object to locate in the `IICollection(T)`.

### Return Value

true if `item` is found in the `IICollection(T)`; otherwise, false.

### Implements

`IICollection(T).Contains(T)`
See Also

WorkflowArguments Class
WorkflowArguments Members
Microsoft.Activities.Extensions Namespace
Determines whether the `IDictionary<TKey, TValue>` contains an element with the specified key.

**Namespace:** Microsoft.Activities.Extensions  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public bool ContainsKey(string key)</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Function ContainsKey (_key As String _) As Boolean</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public: virtual bool ContainsKey(String^ key)</code></td>
</tr>
</tbody>
</table>

#### Parameters

- **key**
  - Type: `System.String`
  - The key to locate in the `IDictionary(TKey, TValue)`.

#### Return Value

- true if the `IDictionary(TKey, TValue)` contains an element with the key; otherwise, false.

#### Implements

- `IDictionary(TKey, TValue).ContainsKey(TKey)`
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>System.ArgumentNullException</code></td>
<td><code>key</code> is null.</td>
</tr>
</tbody>
</table>
See Also

WorkflowArguments Class
WorkflowArguments Members
Microsoft.Activities.Extensions Namespace
Copies the elements of the `ICollection<T>` to an `Array`, starting at a particular `Array` index.

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public void CopyTo(
    KeyValuePair<string, Object>[] array,
    int arrayIndex
)
```

### Visual Basic

```vbnet
Public Sub CopyTo ( 
    array As KeyValuePair(Of String, Object)(), 
    arrayIndex As Integer _
)
```

### Visual C++

```cpp
public:
    virtual void CopyTo(
        array<KeyValuePair<String^, Object^>>^ array, 
        int arrayIndex
    ) sealed
```

## Parameters

**array**
Type: `System.Collections.Generic.KeyValuePair<String, Object>[]`
The one-dimensional `Array` that is the destination of the elements copied from `ICollection<T>`. The `Array` must have zero-based indexing.

**arrayIndex**
Type: `System.Int32`
The zero-based index in `array` at which copying begins.
Implements

ICollection(T).CopyTo(T[], Int32)
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>System.ArgumentNullException</td>
<td>array is null.</td>
</tr>
<tr>
<td>System.ArgumentOutOfRangeException</td>
<td>arrayIndex is less than 0.</td>
</tr>
<tr>
<td>System.ArgumentException</td>
<td>array is multidimensional.-or- The number of elements in the source ICollection(T) is greater than the available space from arrayIndex to the end of the destination array.-or-Type cannot be cast automatically to the type of the destination array.</td>
</tr>
</tbody>
</table>
See Also

WorkflowArguments Class
WorkflowArguments Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowArguments.FromDictionary Method

WorkflowArguments Class  See Also  Send Feedback

Creates WorkflowArguments from a Dictionary

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static Object FromDictionary(
    IDictionary<string, Object> args
)
```

#### Visual Basic

```vbnet
Public Shared Function FromDictionary ( _
    args As IDictionary(Of String, Object) _
) As Object
```

#### Visual C++

```cpp
public:
static Object^ FromDictionary(
    IDictionary<String^, Object^>^ args
)
```

### Parameters

**args**
Type: `System.Collections.Generic.IDictionary(String, Object)`
The dictionary to create from

### Return Value

an initialized WorkflowArguments instance
See Also

WorkflowArguments Class
WorkflowArguments Members
Microsoft.Activities.Extensions Namespace
Returns an enumerator that iterates through the collection.

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public IEnumerator< KeyValuePair<string, Object>> GetEnumerator()
```

### Visual Basic

```vbnet
Public Function GetEnumerator As IEnumerator(Of KeyValuePair(Of String, Object))
```

### Visual C++

```cpp
public:
virtual IEnumerator< KeyValuePair<String^, Object^>>^ Return Value
```

## Return Value

A `IEnumerator<T>` that can be used to iterate through the collection.

## Implements

`IEnumerable<T>.GetEnumerator()`
See Also

WorkflowArguments Class
WorkflowArguments Members
Microsoft.Activities.Extensions Namespace
The get object data.

**Namespace:** Microsoft.Activities.Extensions  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Parameters

info
Type: `System.Runtime.Serialization.SerializationInfo`
The info.

context
Type: `System.Runtime.Serialization.StreamingContext`
The context.

Implements
ISerializable.GetObjectData(SerializationInfo, StreamingContext)
See Also

WorkflowArguments Class
WorkflowArguments Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowArguments.Remove Method

WorkflowArguments Class See Also Send Feedback
## Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove(KeyValuePair(String, Object))</td>
<td>Removes the first occurrence of a specific object from the ICollection(T).</td>
</tr>
<tr>
<td>Remove(String)</td>
<td>Removes the element with the specified key from the IDictionary(TKey, TValue).</td>
</tr>
</tbody>
</table>
See Also

WorkflowArguments Class
WorkflowArguments Members
Microsoft.Activities.Extensions Namespace
Removes the first occurrence of a specific object from the `ICollection<T>`.

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
**Syntax**

**C#**

```csharp
public bool Remove(
    KeyValuePair<string, Object> item
)
```

**Visual Basic**

```vbnet
Public Function Remove ( _
    item As KeyValuePair(Of String, Object) _
) As Boolean
```

**Visual C++**

```cpp
public:
virtual bool Remove(
    KeyValuePair<String^, Object^> item
) sealed
```

**Parameters**

*item*

Type: `System.Collections.Generic.KeyValuePair(String, Object)`

The object to remove from the `ICollection<T>`.

**Return Value**

true if *item* was successfully removed from the `ICollection<T>`; otherwise, false. This method also returns false if *item* is not found in the original `ICollection<T>`.

**Implements**

`ICollection<T>.Remove(T)`
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>System.NotSupportedException</td>
<td>The <code>ICollection&lt;T&gt;</code> is read-only.</td>
</tr>
</tbody>
</table>
See Also

WorkflowArguments Class
WorkflowArguments Members
Remove Overload
Microsoft.Activities.Extensions Namespace
Removes the element with the specified key from the IDictionary(TKey, TValue).

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public bool Remove(
    string key
)
```

#### Visual Basic

```vbnet
Public Function Remove ( _
    key As String _
) As Boolean
```

#### Visual C++

```cpp
public:
virtual bool Remove(
    String^ key
) sealed
```

### Parameters

**key**

Type: `System.String`

The key of the element to remove.

### Return Value

true if the element is successfully removed; otherwise, false. This method also returns false if `key` was not found in the original `IDictionary(TKey, TValue)`.

### Implements

`IDictionary(TKey, TValue).Remove(TKey)`
### Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>System.ArgumentNullException</code></td>
<td><code>key</code> is null.</td>
</tr>
<tr>
<td><code>System.NotSupportedException</code></td>
<td>The <code>IDictionary&lt;TKey, TValue&gt;</code> is read-only.</td>
</tr>
</tbody>
</table>
See Also

WorkflowArguments Class
WorkflowArguments Members
Remove Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowArguments.TryGetMember Method

WorkflowArguments Class  See Also  Send Feedback

Provides the implementation for operations that get member values. Classes derived from the DynamicObject class can override this method to specify dynamic behavior for operations such as getting a value for a property.

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
</tr>
<tr>
<td><code>public override bool TryGetMember(    GetMemberBinder binder,    out Object result)</code></td>
<td></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td></td>
</tr>
<tr>
<td><code>Public Overrides Function TryGetMember ( _    binder As GetMemberBinder, _    &lt;OutAttribute&gt; ByRef result As Object _ ) As Boolean</code></td>
<td></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td></td>
</tr>
<tr>
<td><code>public:    virtual bool TryGetMember(    GetMemberBinder^ binder,    [OutAttribute] Object^% result)</code></td>
<td></td>
</tr>
</tbody>
</table>

### Parameters

**binder**

Type: `System.Dynamic.GetMemberBinder`

Provides information about the object that called the dynamic operation. The `binder.Name` property provides the name of the member on which the dynamic operation is performed. For example, for the `Console.WriteLine(sampleObject.SampleProperty)` statement, where `sampleObject` is an instance of the class derived from the `DynamicObject` class, `binder.Name` returns "SampleProperty". The `binder.IgnoreCase` property specifies whether the member name is case-sensitive.
result
Type: System.Object
The result of the get operation. For example, if the method is called for a property, you can assign the property value to result.

Return Value
ture if the operation is successful; otherwise, false. If this method returns false, the run-time binder of the language determines the behavior. (In most cases, a run-time exception is thrown.)
See Also

WorkflowArguments Class
WorkflowArguments Members
Microsoft.Activities.Extensions Namespace
Gets the value associated with the specified key.

**Namespace:** Microsoft.Activities.Extensions  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
### Parameters

*key*
Type: `System.String`
The key whose value to get.

*value*
Type: `System.Object`
When this method returns, the value associated with the specified key, if the key is found; otherwise, the default value for the type of the `value` parameter. This parameter is passed uninitialized.
Return Value
true if the object that implements IDictionary(TKey, TValue) contains an element with the specified key; otherwise, false.

Implements
IDictionary(TKey, TValue), TryGetValue(TKey, TValue)
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>System.ArgumentNullException</code></td>
<td>key is null.</td>
</tr>
</tbody>
</table>
See Also

WorkflowArguments Class
WorkflowArguments Members
Microsoft.Activities.Extensions Namespace
Provides the implementation for operations that set member values. Classes derived from the `DynamicObject` class can override this method to specify dynamic behavior for operations such as setting a value for a property.

**Namespace:** Microsoft.Activities.Extensions  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public override bool TrySetMember(
    SetMemberBinder binder,
    Object value
)
```

Visual Basic

```vbnet
Public Overrides Function TrySetMember ( _
    binder As SetMemberBinder, _
    value As Object _
) As Boolean
```

Visual C++

```cpp
public:
    virtual bool TrySetMember(
        SetMemberBinder^ binder,
        Object^ value
    ) override
```

Parameters

*binder*

Type: `System.Dynamic.SetMemberBinder`

Provides information about the object that called the dynamic operation. The binder.Name property provides the name of the member to which the value is being assigned. For example, for the statement `sampleObject.SampleProperty = "Test"`, where `sampleObject` is an instance of the class derived from the `DynamicObject` class, binder.Name returns "SampleProperty". The binder.IgnoreCase property specifies whether the member name is case-sensitive.
value
Type: System.Object
The value to set to the member. For example, for sampleObject.SampleProperty = "Test", where sampleObject is an instance of the class derived from the DynamicObject class, the value is "Test".

Return Value
true if the operation is successful; otherwise, false. If this method returns false, the run-time binder of the language determines the behavior. (In most cases, a language-specific run-time exception is thrown.)
See Also

WorkflowArguments Class
WorkflowArguments Members
Microsoft.Activities.Extensions Namespace
The **WorkflowArguments** type exposes the following members.
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count</td>
<td>Gets the number of elements contained in the ICollection(T).</td>
</tr>
<tr>
<td>IsReadOnly</td>
<td>Gets a value indicating whether the ICollection(T) is read-only.</td>
</tr>
<tr>
<td>Item</td>
<td>Gets or sets the element with the specified key.</td>
</tr>
<tr>
<td>Keys</td>
<td>Gets an ICollection(T) containing the keys of the IDictionary(TKey, TValue).</td>
</tr>
<tr>
<td>Values</td>
<td>Gets an ICollection(T) containing the values in the IDictionary(TKey, TValue).</td>
</tr>
</tbody>
</table>
See Also

- WorkflowArguments Class
- Microsoft.Activities.Extensions Namespace
WorkflowArguments.Count Property

Gets the number of elements contained in the `ICollection<T>`.

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
</table>
| **C#**   | ```
public int Count { get; }
``` |
| **Visual Basic** | ```
Public Readonly Property Count As Integer
    Get
``` |
| **Visual C++** | ```
public:
    virtual property int Count {
        int get () sealed;
    }
``` |

### Return Value

The number of elements contained in the `ICollection<T>`.

### Implements

`ICollection<T>.Count`
See Also

WorkflowArguments Class
WorkflowArguments Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowArguments.IsReadOnly Property

WorkflowArguments Class  See Also  Send Feedback

Gets a value indicating whether the ICollection(T) is read-only.

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public bool IsReadOnly { get; }</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>Public ReadOnly Property IsReadOnly As Boolean Get</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>public: virtual property bool IsReadOnly { bool get () sealed; }</td>
</tr>
</tbody>
</table>
See Also

WorkflowArguments Class
WorkflowArguments Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowArguments.Item Property

Gets or sets the element with the specified key.

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

public Object this[
    string key
] { get; set; }

Visual Basic

Public Default Property Item ( _
    key As String _
) As Object
    Get
        Set

Visual C++

public:
    virtual property Object^ default[String^ key] { 
    Object^ get (String^ key) sealed;
    void set (String^ key, Object^ value) sealed;
    }

Parameters

key
Type: System.String
The key of the element to get or set.

Return Value
The element with the specified key.

Implements
IDictionary<TKey, TValue>.Item<TKey>
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>System.ArgumentNullException</code></td>
<td><code>key</code> is null.</td>
</tr>
<tr>
<td><code>System.Collections.Generic.KeyNotFoundException</code></td>
<td>The property is retrieved and <code>key</code> is not found.</td>
</tr>
<tr>
<td><code>System.NotSupportedException</code></td>
<td>The property is set and the <code>IDictionary&lt;TKey, TValue&gt;</code> is read-only.</td>
</tr>
</tbody>
</table>
See Also

- WorkflowArguments Class
- WorkflowArguments Members
- Microsoft.Activities.Extensions Namespace
Gets an `ICollection<T>` containing the keys of the `IDictionary<TKey, TValue>`.

**Namespace:** [Microsoft.Activities.Extensions](https://docs.microsoft.com/en-us/dotnet/api/microsoft.activities.extensions)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

**C#**

```csharp
public ICollection<string> Keys { get; }
```

**Visual Basic**

```vbnet
Public ReadOnly Property Keys As ICollection(Of String) Get
```

**Visual C++**

```cpp
public:
virtual property ICollection<String^>^ Keys { ICollection<String^>^ get () sealed;
}
```

**Return Value**

An `ICollection<T>` containing the keys of the object that implements `IDictionary<TKey, TValue>`.

**Implements**

`IDictionary<TKey, TValue>.Keys`
See Also

WorkflowArguments Class
WorkflowArguments Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowArguments.Values Property

Gets an ICollection<T> containing the values in the IDictionary<TKey, TValue>.

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public ICollection&lt;Object&gt; Values { get; }</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>Public ReadOnly Property Values As ICollection(Of Object) Get</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>public: virtual property ICollection&lt;Object^&gt;^ Values { ICollection&lt;Object^&gt;^ get () sealed; }</td>
</tr>
</tbody>
</table>

### Return Value

An ICollection(T) containing the values in the object that implements IDictionary(TKey, TValue).

### Implements

IDictionary(TKey, TValue).Values
See Also

WorkflowArguments Class
WorkflowArguments Members
Microsoft.Activities.Extensions Namespace
WorkflowCompletedEpisodeResult Class

The workflow episode result.

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public class WorkflowCompletedEpisodeResult : WorkflowEpisodeResult</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>Public Class WorkflowCompletedEpisodeResult _ Inherits WorkflowEpisodeResult</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>public ref class WorkflowCompletedEpisodeResult : public...</td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.WorkflowEpisodeResult
Microsoft.Activities.Extensions.WorkflowCompletedEpisodeResult
See Also

WorkflowCompletedEpisodeResult Members
Microsoft.Activities.Extensions Namespace
The `WorkflowCompletedEpisodeResult` type exposes the following members.
### Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WorkflowCompletedEpisodeResult</td>
<td>Initializes a new instance of the WorkflowCompletedEpisodeResult class.</td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Equals</strong></td>
<td>Determines whether the specified <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a> is equal to the current <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a>. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a>.)</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows an <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a> to attempt to free resources and perform other cleanup operations before the <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a> is reclaimed by garbage collection. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a>.)</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Serves as a hash function for a particular type. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a>.)</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the <a href="https://docs.microsoft.com/en-us/dotnet/api/system.type">Type</a> of the current instance. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a>.)</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a>. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a>.)</td>
</tr>
<tr>
<td><strong>ToString</strong></td>
<td>Returns a <a href="https://docs.microsoft.com/en-us/dotnet/api/system.string">String</a> that represents the current <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a>. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a>.)</td>
</tr>
</tbody>
</table>
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>InstanceId</strong></td>
<td>Gets or sets InstanceId. (Inherited from <a href="#">WorkflowEpisodeResult</a>.)</td>
</tr>
<tr>
<td><strong>Outputs</strong></td>
<td>Gets Outputs.</td>
</tr>
<tr>
<td><strong>State</strong></td>
<td>Gets State (Inherited from <a href="#">WorkflowEpisodeResult</a>.)</td>
</tr>
<tr>
<td><strong>TerminationException</strong></td>
<td>Gets TerminationException.</td>
</tr>
</tbody>
</table>
See Also

WorkflowCompletedEpisodeResult Class
Microsoft.Activities.Extensions Namespace
Initializes a new instance of the `WorkflowCompletedEpisodeResult` class.

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public WorkflowCompletedEpisodeResult(
    WorkflowApplicationCompletedEventArgs args,
    Guid instanceId
)
```

Visual Basic

```vbnet
Public Sub New ( _
    args As WorkflowApplicationCompletedEventArgs,
    instanceId As Guid _
)
```

Visual C++

```cpp
public:
WorkflowCompletedEpisodeResult(
    WorkflowApplicationCompletedEventArgs^ args,
    Guid instanceId
)
```

Parameters

- **args**
  Type: `System.Activities.WorkflowApplicationCompletedEventArgs`
  The event args.

- **instanceId**
  Type: `System.Guid`
  The instance Id.
See Also

WorkflowCompletedEpisodeResult Class
WorkflowCompletedEpisodeResult Members
Microsoft.Activities.Extensions Namespace
The `WorkflowCompletedEpisodeResult` type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Equals</strong></td>
<td>Determines whether the specified <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a> is equal to the current <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a>. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a>.)</td>
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<tr>
<td><strong>Finalize</strong></td>
<td>Allows an <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a> to attempt to free resources and perform other cleanup operations before the <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a> is reclaimed by garbage collection. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a>.)</td>
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<td><strong>GetType</strong></td>
<td>Gets the <a href="https://docs.microsoft.com/en-us/dotnet/api/system.type">Type</a> of the current instance. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a>.)</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a>. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a>.)</td>
</tr>
<tr>
<td><strong>ToString</strong></td>
<td>Returns a <a href="https://docs.microsoft.com/en-us/dotnet/api/system.string">String</a> that represents the current <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a>. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.object">Object</a>.)</td>
</tr>
</tbody>
</table>
See Also

WorkflowCompletedEpisodeResult Class
Microsoft.Activities.Extensions Namespace
The `WorkflowCompletedEpisodeResult` type exposes the following members.
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InstanceId</td>
<td>Gets or sets InstanceId. (Inherited from <a href="#">WorkflowEpisodeResult</a>.)</td>
</tr>
<tr>
<td>Outputs</td>
<td>Gets Outputs.</td>
</tr>
<tr>
<td>State</td>
<td>Gets State (Inherited from <a href="#">WorkflowEpisodeResult</a>.)</td>
</tr>
<tr>
<td>TerminationException</td>
<td>Gets TerminationException.</td>
</tr>
</tbody>
</table>
See Also

WorkflowCompletedEpisodeResult Class
Microsoft.Activities.Extensions Namespace
Gets Outputs.

**Namespace:** [Microsoft.Activities.Extensions](https://github.com/microsoft/microsoft-activitiesextensions)  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public IDictionary&lt;string, Object&gt; Outputs { get; internal: void set }</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>Public Property Outputs As IDictionary(Of String, Object) Get Friend Set</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>public: property IDictionary&lt;String^, Object^&gt;^ Outputs { IDictionary&lt;String^, Object^&gt;^ get (); internal: void set (IDictionary&lt;String^, Object^&gt;^) }</td>
</tr>
</tbody>
</table>
See Also

WorkflowCompletedEpisodeResult Class
WorkflowCompletedEpisodeResult Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowCompletedEpisodeResult.TerminationException Property

WorkflowCompletedEpisodeResult Class  See Also  Send Feedback

Gets TerminationException.

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th><strong>C#</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>public <code>Exception</code> TerminationException { get; internal: void set (<code>Exception</code> value); }</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Visual Basic</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Property TerminationException As <code>Exception</code> Get Friend Set</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Visual C++</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>public: property <code>Exception</code>^ TerminationException { <code>Exception</code>^ get (); internal: void set (<code>Exception</code>^ value); }</td>
</tr>
</tbody>
</table>
See Also

WorkflowCompletedEpisodeResult Class
WorkflowCompletedEpisodeResult Members
Microsoft.Activities.Extensions Namespace
WorkflowEpisode Class

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public class WorkflowEpisode : IDisposable</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Class WorkflowEpisode _ Implements IDisposable</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public ref class WorkflowEpisode : IDisposable</code></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

- System.Object
- Microsoft.Activities.Extensions.WorkflowEpisode
See Also

WorkflowEpisode Members
Microsoft.Activities.Extensions Namespace
The **WorkflowEpisode** type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WorkflowEpisode(Activity)</td>
<td>Initializes a new instance of the WorkflowEpisode class.</td>
</tr>
<tr>
<td>WorkflowEpisode(WorkflowApplication)</td>
<td>Initializes a new instance of the WorkflowEpisode class.</td>
</tr>
<tr>
<td>Name</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Dispose()</td>
<td>Performs application-defined tasks associated with freeing, releasing, or resetting unmanaged resources.</td>
</tr>
<tr>
<td>Dispose(Boolean)</td>
<td>Disposes of resources</td>
</tr>
<tr>
<td>Equals</td>
<td>Determines whether the specified Object is equal to the current Object.</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection. (Inherited from Object)</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>-------------</td>
</tr>
<tr>
<td>GetHashCode</td>
<td>Serves as a hash function for a particular type. (Inherited from Object)</td>
</tr>
<tr>
<td>GetType</td>
<td>Gets the Type of the current instance. (Inherited from Object)</td>
</tr>
<tr>
<td>IdleWithBookmark</td>
<td>Function that will end the episode when an idle with the target bookmark name is reached</td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td>Creates a shallow copy of the current Object. (Inherited from Object)</td>
</tr>
<tr>
<td>ResumeEpisodeBookmark(String, Object)</td>
<td>Resumes the workflow bookmark and runs until the workflow is completed, aborted or timed out</td>
</tr>
<tr>
<td>ResumeEpisodeBookmark(String, Object, Func(WorkflowApplicationIdleEventArgs, String, Boolean))</td>
<td>Resumes the workflow bookmark and runs until the workflow is completed, aborted or timed out</td>
</tr>
</tbody>
</table>
workflow is completed, aborted, timed out or idle where the callback indicates the episode should end.

- **ResumeEpisodeBookmark(String, Object, String)**
  Resumes the workflow bookmark and runs until the workflow is completed, aborted, timed out or idle with a specific bookmark.

- **ResumeEpisodeBookmarkAsync(String, Object)**
  Returns a task that will resume a bookmark and run until the workflow is completed, aborted or timed out.

- **ResumeEpisodeBookmarkAsync(String, Object, Func(WorkflowApplicationIdleEventArgs, String, Boolean))**
  Returns a task that will resume a bookmark and run until the workflow is completed, aborted, timed out or idle where the
<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ResumeEpisodeBookmarkAsync(String, Object, String)</strong></td>
<td>Returns a task that will resume a bookmark and run until the workflow is completed, aborted, timed out or idle where the callback indicates the episode should end.</td>
</tr>
<tr>
<td><strong>ResumeEpisodeBookmarkAsync(String, Object, CancellationToken)</strong></td>
<td>Returns a task that will resume a bookmark and run until the workflow is completed, aborted, timed out or idle where the workflow is completed, aborted, timed out or idle.</td>
</tr>
<tr>
<td><strong>ResumeEpisodeBookmarkAsync(String, Object, Func(WorkflowApplicationIdleEventArgs, String, Boolean), CancellationToken)</strong></td>
<td>Returns a task that will resume a bookmark and run until the workflow is completed, aborted, timed out or idle where the callback indicates the episode should end.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td><code>ResumeEpisodeBookmarkAsync</code></td>
<td>Returns a task that will resume a bookmark and run until the workflow is completed, aborted, timed out or idle with a specific bookmark.</td>
</tr>
<tr>
<td><code>RunEpisode()</code></td>
<td>Runs an episode synchronously.</td>
</tr>
<tr>
<td><code>RunEpisode(Func&lt;WorkflowApplicationIdleEventArgs, String, Boolean&gt;)</code></td>
<td>Runs an episode synchronously.</td>
</tr>
<tr>
<td><code>RunEpisode(String)</code></td>
<td>Runs an episode synchronously.</td>
</tr>
<tr>
<td><code>RunEpisodeAsync()</code></td>
<td>Returns a task that runs a workflow episode.</td>
</tr>
<tr>
<td><code>RunEpisodeAsync(Func&lt;WorkflowApplicationIdleEventArgs, String, Boolean&gt;)</code></td>
<td>Returns a task that runs a workflow episode.</td>
</tr>
<tr>
<td><code>RunEpisodeAsync(String)</code></td>
<td>Returns a task that runs a workflow episode.</td>
</tr>
<tr>
<td><code>RunEpisodeAsync(CancellationToken)</code></td>
<td>Returns a task that runs a workflow episode.</td>
</tr>
<tr>
<td><code>RunEpisodeAsync(Func&lt;WorkflowApplicationIdleEventArgs,</code></td>
<td>Returns a task that runs a workflow episode.</td>
</tr>
<tr>
<td><strong>String, Boolean, CancellationToken</strong></td>
<td>that runs a workflow episode</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td></td>
<td><strong>RunEpisodeAsync(String, CancellationToken)</strong></td>
</tr>
<tr>
<td></td>
<td><strong>ToString</strong></td>
</tr>
</tbody>
</table>
### Fields

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DefaultTimeout</td>
<td>The default timeout.</td>
</tr>
</tbody>
</table>
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aborted</td>
<td>Gets or sets Aborted.</td>
</tr>
<tr>
<td>CancellationToken</td>
<td>Gets or sets CancellationToken.</td>
</tr>
<tr>
<td>Completed</td>
<td>Gets or sets Completed.</td>
</tr>
<tr>
<td>Idle</td>
<td>Gets or sets Idle.</td>
</tr>
<tr>
<td>OnUnhandledException</td>
<td>Gets or sets OnUnhandledException.</td>
</tr>
<tr>
<td>PersistableIdle</td>
<td>Gets or sets PersistableIdle.</td>
</tr>
<tr>
<td>Timeout</td>
<td>Gets or sets Timeout.</td>
</tr>
<tr>
<td>UnhandledExceptionAction</td>
<td>Gets or sets UnhandledExceptionAction.</td>
</tr>
<tr>
<td>Unloaded</td>
<td>Gets or sets the unloaded delegate.</td>
</tr>
<tr>
<td>WorkflowApplication</td>
<td>Gets WorkflowApplication.</td>
</tr>
</tbody>
</table>
See Also

WorkflowEpisode Class
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisode Constructor

WorkflowEpisode Class  See Also  Send Feedback
### Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>WorkflowEpisode(Activity)</code></td>
<td>Initializes a new instance of the <code>WorkflowEpisode</code> class.</td>
</tr>
<tr>
<td><code>WorkflowEpisode(WorkflowApplication)</code></td>
<td>Initializes a new instance of the <code>WorkflowEpisode</code> class.</td>
</tr>
</tbody>
</table>
See Also

WorkflowEpisode Class
WorkflowEpisode Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisode Constructor (Activity)

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
</table>
| **C#**     | `public WorkflowEpisode(
|            |     Activity activity)                                               |
| **Visual Basic** | `Public Sub New ( _
|              |     activity As Activity _
|              | )                                                                    |
| **Visual C++** | `public:
|              | WorkflowEpisode(
|              |     Activity^ activity
|              | )                                                                   |

### Parameters

- **activity**
  - Type: `System.Activities.Activity`
  - The activity.
See Also

WorkflowEpisode Class
WorkflowEpisode Members
WorkflowEpisode Overload
Microsoft.Activities.Extensions Namespace
Initializes a new instance of the `WorkflowEpisode` class.

**Namespace:** [Microsoft.Activities.Extensions](https://learn.microsoft.com)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public WorkflowEpisode(
    WorkflowApplication workflowApplication
)
```

### Visual Basic

```vbnet
Public Sub New (
    workflowApplication As WorkflowApplication
)
```

### Visual C++

```csharp
public:
WorkflowEpisode(
    WorkflowApplication^ workflowApplication
)
```

## Parameters

`workflowApplication`

Type: `System.Activities.WorkflowApplication`

The workflow application.
See Also

WorkflowEpisode Class
WorkflowEpisode Members
WorkflowEpisode Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisode Fields

See Also Send Feedback

The WorkflowEpisode type exposes the following members.
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DefaultTimeout</td>
<td>The default timeout.</td>
</tr>
</tbody>
</table>
See Also

- WorkflowEpisode Class
- Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisode.DefaultTimeout Field

WorkflowEpisode Class  See Also  Send Feedback

The default timeout.

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
</tr>
<tr>
<td>public static readonly <code>TimeSpan</code> DefaultTimeout</td>
<td></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td></td>
</tr>
<tr>
<td>Public Shared ReadOnly DefaultTimeout As <code>TimeSpan</code></td>
<td></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td></td>
</tr>
<tr>
<td>public: static initonly <code>TimeSpan</code> DefaultTimeout</td>
<td></td>
</tr>
</tbody>
</table>
See Also

- WorkflowEpisode Class
- WorkflowEpisode Members
- Microsoft.Activities.Extensions Namespace
The **WorkflowEpisode** type exposes the following members.
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dispose()</td>
<td>Performs application-defined tasks associated with freeing, releasing, or</td>
</tr>
<tr>
<td></td>
<td>resetting unmanaged resources.</td>
</tr>
<tr>
<td>Dispose(Boolean)</td>
<td>Disposes of resources.</td>
</tr>
<tr>
<td>Equals</td>
<td>Determines whether the specified Object is equal to the current Object.</td>
</tr>
<tr>
<td></td>
<td>(Inherited from Object)</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows an Object to attempt to free resources and perform other cleanup</td>
</tr>
<tr>
<td></td>
<td>operations before the Object is reclaimed by garbage collection.</td>
</tr>
<tr>
<td></td>
<td>(Inherited from Object)</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>GetHashCode</td>
<td>Serves as a hash function for a particular type. (Inherited from Object)</td>
</tr>
<tr>
<td>GetType</td>
<td>Gets the Type of the current instance. (Inherited from Object)</td>
</tr>
<tr>
<td>IdleWithBookmark</td>
<td>Function that will end the episode when an idle with the target bookmark name is reached</td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td>Creates a shallow copy of the current Object. (Inherited from Object)</td>
</tr>
<tr>
<td>ResumeEpisodeBookmark(String, Object)</td>
<td>Resumes the workflow bookmark and runs until the workflow is completed, aborted or timed out</td>
</tr>
<tr>
<td>ResumeEpisodeBookmark(String, Object, Func(WorkflowApplicationIdleEventArgs, String, Boolean))</td>
<td>Resumes the workflow bookmark and runs until the workflow is completed, aborted or timed out</td>
</tr>
</tbody>
</table>
workflow is completed, aborted, timed out or idle
where the callback indicates the episode should end

**ResumeEpisodeBookmark(String, Object, String)**
Resumes the workflow bookmark and runs until the workflow is completed, aborted, timed out or idle with a specific bookmark.

**ResumeEpisodeBookmarkAsync(String, Object)**
Returns a task that will resume a bookmark and run until the workflow is completed, aborted or timed out.

**ResumeEpisodeBookmarkAsync(String, Object, Func(WorkflowApplicationIdleEventArgs, String, Boolean))**
Returns a task that will resume a bookmark and run until the workflow is completed, aborted, timed out or idle where the
<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>ResumeEpisodeBookmarkAsync(String, Object, String)</code></td>
<td>Returns a task that will resume a bookmark and run until the workflow is completed, aborted, timed out or idle with a specific bookmark.</td>
</tr>
<tr>
<td><code>ResumeEpisodeBookmarkAsync(String, Object, CancellationToken)</code></td>
<td>Returns a task that will resume a bookmark and run until the workflow is completed, aborted, timed out or idle.</td>
</tr>
<tr>
<td><code>ResumeEpisodeBookmarkAsync(String, Object, Func(WorkflowApplicationIdleEventArgs, String, Boolean), CancellationToken)</code></td>
<td>Returns a task that will resume a bookmark and run until the workflow is completed, aborted, timed out or idle where the callback indicates the episode should end.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>-------------</td>
</tr>
<tr>
<td>ResumeEpisodeBookmarkAsync(String, Object, String, CancellationToken)</td>
<td>Returns a task that will resume a bookmark and run until the workflow is completed, aborted, timed out or idle with a specific bookmark.</td>
</tr>
<tr>
<td>RunEpisode()</td>
<td>Runs an episode synchronously.</td>
</tr>
<tr>
<td>RunEpisode(Func(WorkflowApplicationIdleEventArgs, String, Boolean))</td>
<td>Runs an episode synchronously.</td>
</tr>
<tr>
<td>RunEpisode(String)</td>
<td>Runs an episode synchronously.</td>
</tr>
<tr>
<td>RunEpisodeAsync()</td>
<td>Returns a task that runs a workflow episode.</td>
</tr>
<tr>
<td>RunEpisodeAsync(Func(WorkflowApplicationIdleEventArgs, String, Boolean))</td>
<td>Returns a task that runs a workflow episode.</td>
</tr>
<tr>
<td>RunEpisodeAsync(String)</td>
<td>Returns a task that runs a workflow episode.</td>
</tr>
<tr>
<td>RunEpisodeAsync(CancellationToken)</td>
<td>Returns a task that runs a workflow episode.</td>
</tr>
<tr>
<td>RunEpisodeAsync(Func(WorkflowApplicationIdleEventArgs, String, Boolean))</td>
<td>Returns a task that runs a workflow episode.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td><code>RunEpisodeAsync(String, CancellationToken)</code></td>
<td>Returns a task that runs a workflow episode</td>
</tr>
<tr>
<td><code>ToString</code></td>
<td>Returns a <code>String</code> that represents the current <code>Object</code></td>
</tr>
<tr>
<td></td>
<td>(Inherited from <code>Object</code>)</td>
</tr>
</tbody>
</table>
See Also

WorkflowEpisode Class
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisode.Dispose Method

WorkflowEpisode Class See Also Send Feedback
## Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dispose()</td>
<td>Performs application-defined tasks associated with freeing, releasing, or resetting unmanaged resources.</td>
</tr>
<tr>
<td>Dispose(Boolean)</td>
<td>Disposes of resources</td>
</tr>
</tbody>
</table>
See Also

WorkflowEpisode Class
WorkflowEpisode Members
Microsoft.Activities.Extensions Namespace
Performs application-defined tasks associated with freeing, releasing, or resetting unmanaged resources.

**Namespace:** Microsoft.Activities.Extensions  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>public void Dispose()</code></td>
<td><code>Public Sub Dispose</code></td>
<td><code>public:</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td><code>virtual void Dispose()</code></td>
</tr>
</tbody>
</table>

**Implements**

[IDisposable.Dispose()](#)
See Also

WorkflowEpisode Class
WorkflowEpisode Members
Dispose Overload
Microsoft.Activities.Extensions Namespace
Disposes of resources

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
protected virtual void Dispose(
    bool disposing
)
```

### Visual Basic

```vbnet
Protected Overridable Sub Dispose (_
    disposing As Boolean _
)
```

### Visual C++

```cpp
protected:
virtual void Dispose(
    bool disposing
)
```

## Parameters

* **disposing**
  
  Type: System.Boolean
  
  The disposing.
See Also

WorkflowEpisode Class
WorkflowEpisode Members
Dispose Overload
Microsoft.Activities.Extensions Namespace
Function that will end the episode when an idle with the target bookmark name is reached

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public bool IdleWithBookmark(
    WorkflowApplicationIdleEventArgs args,
    string targetBookmarkName
)
```

Visual Basic

```vbnet
Public Function IdleWithBookmark (
    _
    args As WorkflowApplicationIdleEventArgs, _
    targetBookmarkName As String _
) As Boolean
```

Visual C++

```cpp
public:
bool IdleWithBookmark(
    WorkflowApplicationIdleEventArgs^ args,
    String^ targetBookmarkName
)
```

Parameters

**args**
Type: `System.Activities.WorkflowApplicationIdleEventArgs`
The idle event args.

**targetBookmarkName**
Type: `System.String`
The target Bookmark.

Return Value
true if the idle arguments contains a bookmark with the target bookmark name
See Also

WorkflowEpisode Class
WorkflowEpisode Members
Microsoft.Activities.Extensions Namespace
WorkflowEpisode.ResumeEpisodeBookmark Method

WorkflowEpisode Class  See Also  Send Feedback
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ResumeEpisodeBookmark(String, Object)</td>
<td>Resumes the workflow bookmark and runs until the workflow is completed, aborted or timed out.</td>
</tr>
<tr>
<td>ResumeEpisodeBookmark(String, Object, Func(WorkflowApplicationIdleEventArgs, String, Boolean))</td>
<td>Resumes the workflow bookmark and runs until the workflow is completed, aborted, timed out or idle where the callback indicates the episode should end.</td>
</tr>
<tr>
<td>ResumeEpisodeBookmark(String, Object, String)</td>
<td>Resumes the workflow bookmark and runs until the workflow is completed, aborted, timed out or idle with a specific bookmark.</td>
</tr>
</tbody>
</table>
See Also

WorkflowEpisode Class
WorkflowEpisode Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisode.ResumeEpisodeBookmark Method (String, Object)

WorkflowEpisode Class  See Also  Send Feedback

Resumes the workflow bookmark and runs until the workflow is completed, aborted or timed out

Namespace:  Microsoft.Activities.Extensions

Assembly:  Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public WorkflowEpisodeResult ResumeEpisodeBookmark(
    string bookmarkName,
    Object value
)
```

### Visual Basic

```vbnet
Public Function ResumeEpisodeBookmark ( _
    bookmarkName As String, _
    value As Object _
) As WorkflowEpisodeResult
```

### Visual C++

```cpp
public:
WorkflowEpisodeResult^ ResumeEpisodeBookmark(
    String^ bookmarkName, 
    Object^ value
)
```

## Parameters

- **bookmarkName**
  Type: `System.String`
  The bookmark name.

- **value**
  Type: `System.Object`
  The value to resume the bookmark with

## Return Value
The episode result
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>Microsoft.Activities.Extensions.BookmarkResumptionException</code></td>
<td>Failed to resume bookmark</td>
</tr>
</tbody>
</table>
See Also

WorkflowEpisode Class
WorkflowEpisode Members
ResumeEpisodeBookmark Overload
Microsoft.Activities.Extensions Namespace
Resumes the workflow bookmark and runs until the workflow is completed, aborted, timed out or idle where the callback indicates the episode should end

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public WorkflowEpisodeResult ResumeEpisodeBookmark(
    string bookmarkName,
    Object value,
    Func<WorkflowApplicationIdleEventArgs, string>)
```

**Visual Basic**

```vbnet
Public Function ResumeEpisodeBookmark ( _
    bookmarkName As String, _
    value As Object, _
    idleEventCallback As Func(Of WorkflowApplicationIdleEventArgs) ) As WorkflowEpisodeResult
```

**Visual C++**

```cpp
public:
WorkflowEpisodeResult^ ResumeEpisodeBookmark(
    String^ bookmarkName,
    Object^ value,
    Func<WorkflowApplicationIdleEventArgs^, String>)
```

### Parameters

- **bookmarkName**
  - Type: `System.String`
  - The bookmark name.

- **value**
  - Type: `System.Object`
  - The value to resume the bookmark with
idleEventCallback
Type: System.Func<WorkflowApplicationIdleEventArgs, String, Boolean>
The idle event callback.

Return Value
The WorkflowEpisodeResult that ended the episode
<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microsoft.Activities.Extensions.BookmarkResumptionException</td>
<td>Failed to resume bookmark</td>
</tr>
</tbody>
</table>
See Also

- WorkflowEpisode Class
- WorkflowEpisode Members
- ResumeEpisodeBookmark Overload
- Microsoft.Activities.Extensions Namespace
Resumes the workflow bookmark and runs until the workflow is completed, aborted, timed out or idle with a specific bookmark

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public WorkflowEpisodeResult ResumeEpisodeBookmark(
    string bookmarkName,
    Object value,
    string waitForBookmarkName
)
```

#### Visual Basic

```vbnet
Public Function ResumeEpisodeBookmark ( _
    bookmarkName As String, _
    value As Object, _
    waitForBookmarkName As String _
) As WorkflowEpisodeResult
```

#### Visual C++

```cpp
public:
WorkflowEpisodeResult^ ResumeEpisodeBookmark(
    String^ bookmarkName,
    Object^ value,
    String^ waitForBookmarkName
)
```

### Parameters

**bookmarkName**
Type: `System.String`
The bookmark name.

**value**
Type: `System.Object`
The value to resume the bookmark with
waitForBookmarkName
Type: System.String
The waitForBookmarkName.

**Return Value**
The episode result
### Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
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</thead>
<tbody>
<tr>
<td><code>Microsoft.Activities.Extensions.BookmarkResumptionException</code></td>
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</tbody>
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See Also

WorkflowEpisode Class
WorkflowEpisode Members
ResumeEpisodeBookmark Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisode.ResumeEpisodeBookmarkAsync Method

WorkflowEpisode Class See Also Send Feedback
## Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ResumeEpisodeBookmarkAsync(String, Object)</td>
<td>Returns a task that will resume a bookmark and run until the workflow is completed, aborted or timed out</td>
</tr>
<tr>
<td>ResumeEpisodeBookmarkAsync(String, Object, Func(WorkflowApplicationIdleEventArgs, String, Boolean))</td>
<td>Returns a task that will resume a bookmark and run until the workflow is completed, aborted, timed out or idle where the callback indicates the episode should end</td>
</tr>
<tr>
<td>ResumeEpisodeBookmarkAsync(String, Object, String)</td>
<td>Returns a task that will resume a bookmark and run until the workflow is completed, aborted, timed out or idle with a specific bookmark</td>
</tr>
<tr>
<td>ResumeEpisodeBookmarkAsync(String, Object, CancellationToken)</td>
<td>Returns a task that will resume a bookmark and run until the workflow is completed, aborted or timed out</td>
</tr>
<tr>
<td>ResumeEpisodeBookmarkAsync(String, Object, Func(WorkflowApplicationIdleEventArgs, String, Boolean), CancellationToken)</td>
<td>Returns a task that will resume a bookmark and run until the workflow is completed, aborted, timed out or idle where the callback indicates the episode should end</td>
</tr>
<tr>
<td><strong>Object, String, CancellationToken</strong></td>
<td>resume a bookmark and run until the workflow is completed, aborted, timed out or idle with a specific bookmark</td>
</tr>
</tbody>
</table>
See Also

- WorkflowEpisode Class
- WorkflowEpisode Members
- Microsoft.Activities.Extensions Namespace
Returns a task that will resume a bookmark and run until the workflow is completed, aborted or timed out

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public Task<WorkflowEpisodeResult> ResumeEpisodeBookmarkAsync(string bookmarkName, Object value)
```

#### Visual Basic

```vbnet
Public Function ResumeEpisodeBookmarkAsync(bookmarkName As String, value As Object) As Task(Of WorkflowEpisodeResult)
```

#### Visual C++

```cpp
public: Task<WorkflowEpisodeResult>^ ResumeEpisodeBookmarkAsync(String^ bookmarkName, Object^ value)
```

### Parameters

- **bookmarkName**
  - Type: `System.String`
  - The bookmark name.

- **value**
  - Type: `System.Object`
  - The value to resume the bookmark with

### Return Value
A task that will resume the bookmark
See Also

WorkflowEpisode Class
WorkflowEpisode Members
ResumeEpisodeBookmarkAsync Overload
Microsoft.Activities.Extensions Namespace
Returns a task that will resume a bookmark and run until the workflow is completed, aborted, timed out or idle where the callback indicates the episode should end.

**Namespace:** Microsoft.Activities.Extensions  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public Task<WorkflowEpisodeResult> ResumeEpisodeBookmarkAsync(
    string bookmarkName,
    Object value,
    Func<WorkflowApplicationIdleEventArgs, string>
)
```

### Visual Basic

```vbnet
Public Function ResumeEpisodeBookmarkAsync ( _
    bookmarkName As String, _
    value As Object, _
    idleEventCallback As Func(Of WorkflowApplicationIdleEventArgs, String)
) As Task(Of WorkflowEpisodeResult)
```

### Visual C++

```cpp
public:
    Task<WorkflowEpisodeResult> ResumeEpisodeBookmarkAsync(
        String ^bookmarkName,
        Object ^value,
        Func<WorkflowApplicationIdleEventArgs ^, String ^>
    )
```

## Parameters

- **bookmarkName**
  Type: `System.String`
  The bookmark name.

- **value**
  Type: `System.Object`
  The value to resume the bookmark with
idleEventCallback
Type: System.Func<WorkflowApplicationIdleEventArgs, String, Boolean>
The idle event callback.

**Return Value**
A task that will resume the bookmark
See Also

- WorkflowEpisode Class
- WorkflowEpisode Members
- ResumeEpisodeBookmarkAsync Overload
- Microsoft.Activities.Extensions Namespace
Returns a task that will resume a bookmark and run until the workflow is completed, aborted, timed out or idle with a specific bookmark

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public Task<WorkflowEpisodeResult> ResumeEpisodeBookmarkAsync(
    string bookmarkName,
    Object value,
    string waitForBookmarkName
)
```

#### Visual Basic

```vbnet
Public Function ResumeEpisodeBookmarkAsync (_
    bookmarkName As String, _
    value As Object, _
    waitForBookmarkName As String _
) As Task(Of WorkflowEpisodeResult)
```

#### Visual C++

```c++
public:
    Task<WorkflowEpisodeResult>^ ResumeEpisodeBookmarkAsync(
        String^ bookmarkName, 
        Object^ value, 
        String^ waitForBookmarkName
    )
```

### Parameters

- **bookmarkName**
  - Type: `System.String`
  - The bookmark name.

- **value**
  - Type: `System.Object`
  - The value to resume the bookmark with
waitForBookmarkName
Type: System.String
The waitForBookmarkName.

**Return Value**
A task that will resume the bookmark
See Also

WorkflowEpisode Class
WorkflowEpisode Members
ResumeEpisodeBookmarkAsync Overload
Microsoft.Activities.Extensions Namespace
Returns a task that will resume a bookmark and run until the workflow is completed, aborted or timed out

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public Task<WorkflowEpisodeResult> ResumeEpisodeBookmarkAsync(
    string bookmarkName,
    Object value,
    CancellationToken token
)
```

#### Visual Basic

```vbnet
Public Function ResumeEpisodeBookmarkAsync ( _
    bookmarkName As String, _
    value As Object, _
    token As CancellationToken _
) As Task(Of WorkflowEpisodeResult)
```

#### Visual C++

```cpp
public:
    Task<WorkflowEpisodeResult>^ ResumeEpisodeBookmarkAsync(
        String^ bookmarkName,
        Object^ value,
        CancellationToken token
    )
```

### Parameters

- **bookmarkName**
  - Type: `System.String`
  - The bookmark name.

- **value**
  - Type: `System.Object`
  - The value to resume the bookmark with
*token*
Type: System.Threading.CancellationToken
The cancellation token.

**Return Value**
A task that will resume the bookmark
See Also

WorkflowEpisode Class
WorkflowEpisode Members
ResumeEpisodeBookmarkAsync Overload
Microsoft.Activities.Extensions Namespace
Returns a task that will resume a bookmark and run until the workflow is completed, aborted, timed out or idle where the callback indicates the episode should end.

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public Task<WorkflowEpisodeResult> ResumeEpisodeBookmarkAsync(string bookmarkName, Object value, Func<WorkflowApplicationIdleEventArgs, string> idleEventCallback, CancellationToken token)
```

**Visual Basic**

```vbnet
Public Function ResumeEpisodeBookmarkAsync(_
    bookmarkName As String, _
    value As Object, _
    idleEventCallback As Func(Of WorkflowApplicationIdleEventArgs, String) As Token As CancellationToken _
) As Task(Of WorkflowEpisodeResult)
```

**Visual C++**

```cpp
public:
 Task<WorkflowEpisodeResult>^ ResumeEpisodeBookmarkAsync(String^ bookmarkName, 
    Object^ value, 
    Func<WorkflowApplicationIdleEventArgs^, String> idleEventCallback, 
    CancellationToken token
```

### Parameters

**bookmarkName**

Type: `System.String`

The bookmark name.
value
Type: System.Object
The value to resume the bookmark with

idleEventCallback
Type: System.Func<WorkflowApplicationIdleEventArgs, String, Boolean>
The idle event callback.

token
Type: System.Threading.CancellationToken
The cancellation token.

**Return Value**
A task that will resume the bookmark
See Also

WorkflowEpisode Class
WorkflowEpisode Members
ResumeEpisodeBookmarkAsync Overload
Microsoft.Activities.Extensions Namespace
Returns a task that will resume a bookmark and run until the workflow is completed, aborted, timed out or idle with a specific bookmark

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public Task<WorkflowEpisodeResult> ResumeEpisodeBookmarkAsync(
    string bookmarkName,
    Object value,
    string waitForBookmarkName,
    CancellationToken token
)
```

**Visual Basic**

```vbnet
Public Function ResumeEpisodeBookmarkAsync (  
    _  bookmarkName As String,  _  
    value As Object, _  
    waitForBookmarkName As String, _  
    token As CancellationToken _
) As Task(Of WorkflowEpisodeResult)
```

**Visual C++**

```cpp
public:
    Task<WorkflowEpisodeResult^>^ ResumeEpisodeBookmarkAsync(  
        String^ bookmarkName,  
        Object^ value,  
        String^ waitForBookmarkName,  
        CancellationToken token
    )
```

### Parameters

*bookmarkName*

Type: System.String

The bookmark name.
value
Type: System.Object
The value to resume the bookmark with

waitForBookmarkName
Type: System.String
The wait For Bookmark Name.

token
Type: System.Threading.CancellationToken
The cancellation token.

Return Value
A task that will resume the bookmark
See Also

WorkflowEpisode Class
WorkflowEpisode Members
ResumeEpisodeBookmarkAsync Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisode.RunEpisode Method

WorkflowEpisode Class  See Also  Send Feedback
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RunEpisode()</td>
<td>Runs an episode synchronously</td>
</tr>
<tr>
<td>RunEpisode(Func(WorkflowApplicationIdleEventArgs, String, Boolean))</td>
<td>Runs an episode synchronously</td>
</tr>
<tr>
<td>RunEpisode(String)</td>
<td>Runs an episode synchronously</td>
</tr>
</tbody>
</table>
See Also

WorkflowEpisode Class
WorkflowEpisode Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisode.RunEpisode Method

WorkflowEpisode Class See Also Send Feedback

Runs an episode synchronously

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public WorkflowEpisodeResult RunEpisode()
```

**Visual Basic**

```vbnet
Public Function RunEpisode As WorkflowEpisodeResult
```

**Visual C++**

```cpp
public:
WorkflowEpisodeResult^ RunEpisode()
```

### Return Value

An episode result
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>System.TimeoutException</code></td>
<td>The episode did not complete before timeout</td>
</tr>
</tbody>
</table>
See Also

WorkflowEpisode Class
WorkflowEpisode Members
RunEpisode Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisode.RunEpisode Method
(Func(WorkflowApplicationIdleEventArgs, String, Boolean))

WorkflowEpisode Class  See Also  Send Feedback

Runs an episode synchronously

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

**C#**

```csharp
public WorkflowEpisodeResult RunEpisode(
    Func<WorkflowApplicationIdleEventArgs, string>
)
```

**Visual Basic**

```vbnet
Public Function RunEpisode (  
    idleEventCallback As Func(Of WorkflowApplicationIdleEventArgs, String)
) As WorkflowEpisodeResult
```

**Visual C++**

```cpp
public:  
WorkflowEpisodeResult^ RunEpisode(  
    Func<WorkflowApplicationIdleEventArgs^, String>
)
```

**Parameters**

`idleEventCallback`

Type: `System.Func<WorkflowApplicationIdleEventArgs, String, Boolean>`

Function that determines if a given idle event should end the episode

**Return Value**

An episode result
### Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>System.TimeoutException</td>
<td>The episode did not complete before timeout</td>
</tr>
</tbody>
</table>
See Also

WorkflowEpisode Class
WorkflowEpisode Members
RunEpisode Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisode.RunEpisode Method (String)

WorkflowEpisode Class  See Also  Send Feedback

Runs an episode synchronously

**Namespace:** Microsoft.Activities.Extensions
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public WorkflowEpisodeResult RunEpisode(
    string waitForBookmarkName
)
```

Visual Basic

```vbnet
Public Function RunEpisode ( _
    waitForBookmarkName As String _
) As WorkflowEpisodeResult
```

Visual C++

```cpp
public:
WorkflowEpisodeResult^ RunEpisode(
    String^ waitForBookmarkName
)
```

Parameters

`waitForBookmarkName`
Type: `System.String`
The workflow will run until an idle event which contains this bookmark name.

Return Value

An episode result
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>System.TimeoutException</td>
<td>The episode did not complete before timeout</td>
</tr>
</tbody>
</table>
See Also

- WorkflowEpisode Class
- WorkflowEpisode Members
- RunEpisode Overload
- Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisode.RunEpisodeAsync Method

WorkflowEpisode Class See Also Send Feedback
## Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RunEpisodeAsync()</td>
<td>Returns a task that runs a workflow episode</td>
</tr>
<tr>
<td>RunEpisodeAsync(Func(WorkflowApplicationIdleEventArgs, String, Boolean))</td>
<td>Returns a task that runs a workflow episode</td>
</tr>
<tr>
<td>RunEpisodeAsync(String)</td>
<td>Returns a task that runs a workflow episode</td>
</tr>
<tr>
<td>RunEpisodeAsync(CancellationToken)</td>
<td>Returns a task that runs a workflow episode</td>
</tr>
<tr>
<td>RunEpisodeAsync(Func(WorkflowApplicationIdleEventArgs, String, Boolean), CancellationToken)</td>
<td>Returns a task that runs a workflow episode</td>
</tr>
<tr>
<td>RunEpisodeAsync(String, CancellationToken)</td>
<td>Returns a task that runs a workflow episode</td>
</tr>
</tbody>
</table>
See Also

- WorkflowEpisode Class
- WorkflowEpisode Members
- Microsoft.Activities.Extensions Namespace
Returns a task that runs a workflow episode

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
</table>
| C#           | ```csharp
public Task<WorkflowEpisodeResult> RunEpisodeAsync()
```
| Visual Basic | ```vbnet
Public Function RunEpisodeAsync As Task(Of WorkflowEpisodeResult)
```
| Visual C++   | ```cpp
public:
Task<WorkflowEpisodeResult>^ RunEpisodeAsync()
```

### Return Value

A task for running the activity async
See Also

- WorkflowEpisode Class
- WorkflowEpisode Members
- RunEpisodeAsync Overload
- Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisode.RunEpisodeAsync Method
(Func(WorkflowApplicationIdleEventArgs, String, Boolean))

WorkflowEpisode Class  See Also  Send Feedback

Returns a task that runs a workflow episode

**Namespace:** Microsoft.Activities.Extensions  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
</tr>
</thead>
<tbody>
<tr>
<td>`public Task&lt;WorkflowEpisodeResult&gt; RunEpisodeAsync(</td>
</tr>
<tr>
<td>Func&lt;WorkflowApplicationIdleEventArgs, string&gt; idleEventCallback</td>
</tr>
<tr>
<td>)</td>
</tr>
<tr>
<td>Visual Basic</td>
</tr>
<tr>
<td>`Public Function RunEpisodeAsync ( _</td>
</tr>
<tr>
<td>idleEventCallback As Func(Of WorkflowApplicationIdleEventArgs)</td>
</tr>
<tr>
<td>) As Task(Of WorkflowEpisodeResult)</td>
</tr>
<tr>
<td>Visual C++</td>
</tr>
<tr>
<td>`public:</td>
</tr>
<tr>
<td>Task&lt;WorkflowEpisodeResult&gt;^&gt;^ RunEpisodeAsync(</td>
</tr>
<tr>
<td>Func&lt;WorkflowApplicationIdleEventArgs^, String&gt; idleEventCallback</td>
</tr>
<tr>
<td>)</td>
</tr>
</tbody>
</table>

### Parameters

`idleEventCallback`
Type: `System.Func<WorkflowApplicationIdleEventArgs, String, Boolean>`
The idle Event Callback.

### Return Value

A task for running the workflow until an idle event with the given bookmark occurs
See Also

WorkflowEpisode Class
WorkflowEpisode Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
Returns a task that runs a workflow episode

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public Task<WorkflowEpisodeResult> RunEpisodeAsync(
    string waitForBookmarkName
)
```

### Visual Basic

```vbnet
Public Function RunEpisodeAsync ( _
    waitForBookmarkName As String _
) As Task(Of WorkflowEpisodeResult)
```

### Visual C++

```cpp
public:
Task<WorkflowEpisodeResult>^ RunEpisodeAsync(
    String^ waitForBookmarkName
)
```

## Parameters

`waitForBookmarkName`

Type: `System.String`

The bookmark name.

## Return Value

A task for running the workflow until an idle event with the given bookmark occurs.
See Also

WorkflowEpisode Class
WorkflowEpisode Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
Returns a task that runs a workflow episode

**Namespace:** [Microsoft.Activities.Extensions](https://aka.ms/MS/Activities-Extensions)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public Task&lt;WorkflowEpisodeResult&gt; RunEpisodeAsync( CancellationToken token )</code></td>
</tr>
</tbody>
</table>
| **Visual Basic** | `Public Function RunEpisodeAsync ( _
   token As CancellationToken _
) As Task(Of WorkflowEpisodeResult)` |
| **Visual C++** | `public: Task<WorkflowEpisodeResult>^ RunEpisodeAsync( 
   CancellationToken token 
)` |

### Parameters

*token*

Type: `System.Threading.CancellationToken`

The cancellation token.

### Return Value

A task for running the activity async
See Also

WorkflowEpisode Class
WorkflowEpisode Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisode.RunEpisodeAsync Method
(Func(WorkflowApplicationIdleEventArgs, String, Boolean),
CancellationToken)

WorkflowEpisode Class  See Also  Send Feedback

Returns a task that runs a workflow episode

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public Task<WorkflowEpisodeResult> RunEpisodeAsync(
    Func<WorkflowApplicationIdleEventArgs, string, CancellationToken> token
)
```

Visual Basic

```vbnet
Public Function RunEpisodeAsync ( _
    idleEventCallback As Func(Of WorkflowApplicationIdleEventArgs, String, CancellationToken) As CancellationToken _
) As Task(Of WorkflowEpisodeResult)
```

Visual C++

```cpp
public:
    Task<WorkflowEpisodeResult>^ RunEpisodeAsync(
        Func<WorkflowApplicationIdleEventArgs^, String, CancellationToken> token
    )
```

Parameters

- **idleEventCallback**
  Type: `System.Func(WorkflowApplicationIdleEventArgs, String, Boolean)`
  The idle Event Callback.

- **token**
  Type: `System.Threading.CancellationToken`
  The cancellation token

Return Value
A task for running the workflow until an idle event with the given bookmark occurs
See Also

WorkflowEpisode Class
WorkflowEpisode Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
Returns a task that runs a workflow episode

**Namespace:** [Microsoft.Activities.Extensions](https://docs.microsoft.com/en-us/dotnet/extensions/activeshot/microsoft-activities-extensions)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public Task&lt;WorkflowEpisodeResult&gt; RunEpisodeAsync(string waitForBookmarkName, CancellationToken token)</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>Public Function RunEpisodeAsync (_waitForBookmarkName As String, <em>token As CancellationToken</em>) As Task(Of WorkflowEpisodeResult)</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>public: Task&lt;WorkflowEpisodeResult&gt;^ RunEpisodeAsync(String^ waitForBookmarkName, CancellationToken token)</td>
</tr>
</tbody>
</table>

### Parameters

**waitForBookmarkName**
Type: `System.String`  
The bookmark name.

**token**
Type: `System.Threading.CancellationToken`  
The cancellation token.

### Return Value
A task for running the workflow until an idle event with the given bookmark occurs
See Also

WorkflowEpisode Class
WorkflowEpisode Members
RunEpisodeAsync Overload
Microsoft.Activities.Extensions Namespace
The **WorkflowEpisode** type exposes the following members.
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aborted</td>
<td>Gets or sets Aborted.</td>
</tr>
<tr>
<td>CancellationToken</td>
<td>Gets or sets CancellationToken.</td>
</tr>
<tr>
<td>Completed</td>
<td>Gets or sets Completed.</td>
</tr>
<tr>
<td>Idle</td>
<td>Gets or sets Idle.</td>
</tr>
<tr>
<td>OnUnhandledException</td>
<td>Gets or sets UnhandledException.</td>
</tr>
<tr>
<td>PersistableIdle</td>
<td>Gets or sets PersistableIdle.</td>
</tr>
<tr>
<td>Timeout</td>
<td>Gets or sets Timeout.</td>
</tr>
<tr>
<td>UnhandledExceptionAction</td>
<td>Gets or sets UnhandledExceptionAction.</td>
</tr>
<tr>
<td>Unloaded</td>
<td>Gets or sets the unloaded delegate.</td>
</tr>
<tr>
<td>WorkflowApplication</td>
<td>Gets WorkflowApplication.</td>
</tr>
</tbody>
</table>
See Also

WorkflowEpisode Class
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisode.Aborted Property

WorkflowEpisode Class See Also Send Feedback

Gets or sets Aborted.

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
</tr>
<tr>
<td>protected <code>Action&lt;WorkflowApplicationAbortedEventArgs&gt;</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
</tr>
</tbody>
</table>
| Protected Property `Aborted` As `Action(Of WorkflowApplicationAbortedEventArgs)`  
Get  
Set |
| **Visual C++** |
| protected:  
property `Action<WorkflowApplicationAbortedEventArgs^>`  
`Action<WorkflowApplicationAbortedEventArgs^>`  
void set (`Action<WorkflowApplicationAbortedEventArgs>`)|
See Also

WorkflowEpisode Class
WorkflowEpisode Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisode.CancellationToken Property

WorkflowEpisode Class See Also Send Feedback

Gets or sets CancellationToken.

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>C#</td>
<td>public CancellationToken CancellationToken { get; set; }</td>
</tr>
<tr>
<td>Visual Basic</td>
<td>Public Property CancellationToken As CancellationToken Get Set</td>
</tr>
<tr>
<td>Visual C++</td>
<td>public: property CancellationToken CancellationToken { CancellationToken get (); void set (CancellationToken value); }</td>
</tr>
</tbody>
</table>
See Also

WorkflowEpisode Class
WorkflowEpisode Members
Microsoft.Activities.Extensions Namespace
WorkflowEpisode.Completed Property

Gets or sets Completed.

**Namespace:** [Microsoft.Activities.Extensions](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>protected Action&lt;WorkflowApplicationCompletedEventArgs&gt;</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>Protected Property Completed As Action(Of WorkflowApplicationCompletedEventArgs) Get Set</td>
</tr>
</tbody>
</table>
See Also

WorkflowEpisode Class
WorkflowEpisode Members
Microsoft.Activities.Extensions Namespace
WorkflowEpisode.Idle Property

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Gets or sets Idle.
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>protected Action&lt;WorkflowApplicationIdleEventArgs&gt; Idle</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Protected Property Idle As Action(Of WorkflowApplicationIdleEventArgs)</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>protected: property Action&lt;WorkflowApplicationIdleEventArgs^&gt;^ : Action&lt;WorkflowApplicationIdleEventArgs^&gt;^ get; void set (Action&lt;WorkflowApplicationIdleEventArgs^&gt;)</code></td>
</tr>
</tbody>
</table>
See Also

WorkflowEpisode Class
WorkflowEpisode Members
Microsoft.Activities.Extensions Namespace
Gets or sets UnhandledException.

**Namespace**: Microsoft.Activities.Extensions

**Assembly**: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
</tr>
</thead>
<tbody>
<tr>
<td>protected <code>Func&lt;WorkflowApplicationUnhandledExceptionEventArgs&gt;</code></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visual Basic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protected Property OnUnhandledException As <code>Func(Of WorkflowApplicationUnhandledExceptionEventArgs)</code> Get Set</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td>protected: property <code>Func&lt;WorkflowApplicationUnhandledExceptionEventArgs&gt;</code> get <code>Func&lt;WorkflowApplicationUnhandledExceptionEventArgs&gt;</code> set (<code>Func&lt;WorkflowApplicationUnhandledExceptionEventArgs&gt;</code>)</td>
</tr>
</tbody>
</table>
See Also

WorkflowEpisode Class
WorkflowEpisode Members
Microsoft.Activities.Extensions Namespace
Gets or sets PersistableIdle.

**Namespace:** [Microsoft.Activities.Extensions](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
</tr>
<tr>
<td>protected <code>Func&lt;WorkflowApplicationIdleEventArgs, PersistableIdleAction&gt;</code></td>
</tr>
</tbody>
</table>

| **Visual Basic** |
| Protected Property `PersistableIdle As Func(Of WorkflowApplicationIdleEventArgs)` |
| Get |
| Set |

| **Visual C++** |
| protected: |
| property `Func<WorkflowApplicationIdleEventArgs^, PersistableIdleAction>` |
| void set (`Func<WorkflowApplicationIdleEventArgs^, PersistableIdleAction>`) |
See Also

WorkflowEpisode Class
WorkflowEpisode Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisode.Timeout Property
WorkflowEpisode Class See Also Send Feedback

Gets or sets Timeout.

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public TimeSpan Timeout { get; set; }</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Property Timeout As TimeSpan</code> <code>Get</code> <code>Set</code></td>
</tr>
</tbody>
</table>
| **Visual C++** | `public:
property TimeSpan Timeout {
    TimeSpan get ();
    void set (TimeSpan value);
} ` |
See Also

WorkflowEpisode Class
WorkflowEpisode Members
Microsoft.Activities.Extensions Namespace
WorkflowEpisode.UnhandledExceptionAction Property

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public UnhandledExceptionAction UnhandledExceptionAction</code></td>
</tr>
</tbody>
</table>
| **Visual Basic** | `Public Property UnhandledExceptionAction As UnhandledExceptionAction
Get
Set` |
| **Visual C++** | `public:
property UnhandledExceptionAction UnhandledExceptionAction
UnhandledExceptionAction get ()
void set (UnhandledExceptionAction value);` |
See Also

WorkflowEpisode Class
WorkflowEpisode Members
Microsoft_ACTIVITIES_Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisode.Unloaded Property

WorkflowEpisode Class See Also Send Feedback

Gets or sets the unloaded delegate.

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>protected <code>Action&lt;WorkflowApplicationEventArgs&gt;</code> Unloaded</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>Protected Property Unloaded As <code>Action(Of WorkflowApplicationEventArgs)</code> Get Set</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>protected: property <code>Action&lt;WorkflowApplicationEventArgs^&gt;</code> Unloaded</td>
</tr>
<tr>
<td></td>
<td><code>Action&lt;WorkflowApplicationEventArgs^&gt;</code> get ()</td>
</tr>
<tr>
<td></td>
<td><code>void set (Action&lt;WorkflowApplicationEventArgs^&gt;)</code> }</td>
</tr>
</tbody>
</table>
See Also

WorkflowEpisode Class
WorkflowEpisode Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisode.WorkflowApplication Property

WorkflowEpisode Class  See Also  Send Feedback

Gets WorkflowApplication.

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
</tr>
</thead>
<tbody>
<tr>
<td>public WorkflowApplication WorkflowApplication { get; }</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
</tr>
<tr>
<td>Public Property WorkflowApplication As WorkflowApplication</td>
</tr>
<tr>
<td>Get</td>
</tr>
<tr>
<td>Private Set</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
</tr>
<tr>
<td>public: property WorkflowApplication^ WorkflowApplication {</td>
</tr>
<tr>
<td>WorkflowApplication^ get ();</td>
</tr>
<tr>
<td>private: void set (WorkflowApplication^ value)</td>
</tr>
</tbody>
</table>
| }
See Also

WorkflowEpisode Class
WorkflowEpisode Members
Microsoft.Activities.Extensions Namespace
Microsoft.Activities.Extensions

WorkflowEpisodeResult Class

Base class for workflow episodes

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Language</th>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td>C#</td>
<td><code>public abstract class WorkflowEpisodeResult</code></td>
</tr>
<tr>
<td>Visual Basic</td>
<td><code>Public MustInherit Class WorkflowEpisodeResult</code></td>
</tr>
<tr>
<td>Visual C++</td>
<td><code>public ref class WorkflowEpisodeResult abstract</code></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

- `System.Object`
- `Microsoft.Activities.Extensions.WorkflowEpisodeResult`
  - `Microsoft.Activities.Extensions.WorkflowAbortedEpisodeResult`
  - `Microsoft.Activities.Extensions.WorkflowCompletedEpisodeResult`
  - `Microsoft.Activities.Extensions.WorkflowIdleEpisodeResult`
See Also

WorkflowEpisodeResult Members
Microsoft.Activities.Extensions Namespace
The **WorkflowEpisodeResult** type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>WorkflowEpisodeResult</code></td>
<td>Initializes a new instance of the <code>WorkflowEpisodeResult</code> class</td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equals</td>
<td>Determines whether the specified <a href="#">Object</a> is equal to the current <a href="#">Object</a>. (Inherited from <a href="#">Object</a>)</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows an <a href="#">Object</a> to attempt to free resources and perform other cleanup operations before the <a href="#">Object</a> is reclaimed by garbage collection. (Inherited from <a href="#">Object</a>)</td>
</tr>
<tr>
<td>GetHashCode</td>
<td>Serves as a hash function for a particular type. (Inherited from <a href="#">Object</a>)</td>
</tr>
<tr>
<td>GetType</td>
<td>Gets the <a href="#">Type</a> of the current instance. (Inherited from <a href="#">Object</a>)</td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td>Creates a shallow copy of the current <a href="#">Object</a>. (Inherited from <a href="#">Object</a>)</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a <a href="#">String</a> that represents the current <a href="#">Object</a>. (Inherited from <a href="#">Object</a>)</td>
</tr>
</tbody>
</table>
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InstanceId</td>
<td>Gets or sets InstanceId.</td>
</tr>
<tr>
<td>State</td>
<td>Gets State</td>
</tr>
</tbody>
</table>
See Also

WorkflowEpisodeResult Class
Microsoft.Activities.Extensions Namespace
Initialize a new instance of the `WorkflowEpisodeResult` class

**Namespace**: Microsoft.Activities.Extensions

**Assembly**: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>protected</code></td>
<td><code>Protected</code></td>
<td><code>protected:</code></td>
</tr>
<tr>
<td><code>WorkflowEpisodeResult()</code></td>
<td><code>Sub New</code></td>
<td><code>WorkflowEpisodeResult()</code></td>
</tr>
</tbody>
</table>
See Also

WorkflowEpisodeResult Class
WorkflowEpisodeResult Members
Microsoft.Activities.Extensions Namespace
The `WorkflowEpisodeResult` type exposes the following members.
### Methods

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See Also

WorkflowEpisodeResult Class
Microsoft.Activities.Extensions Namespace
The **WorkflowEpisodeResult** type exposes the following members.
## Properties

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<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InstanceId</td>
<td>Gets or sets InstanceId.</td>
</tr>
<tr>
<td>State</td>
<td>Gets State</td>
</tr>
</tbody>
</table>
See Also

WorkflowEpisodeResult Class
Microsoft.Activities.Extensions Namespace
Gets or sets InstanceId.

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th></th>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
</table>
|     | public Guid InstanceId { get; set; } | Public Property InstanceId As Guid  
Get
Set | public: Guid InstanceId { 
Guid get (); 
void set (Guid value); } |
See Also

WorkflowEpisodeResult Class
WorkflowEpisodeResult Members
Microsoft.Activities.Extensions Namespace
WorkflowEpisodeResult.State Property

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

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<tr>
<th>C#</th>
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<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>public ActivityInstanceState State { get; internal set; }</code></td>
<td><code>Public Property State As ActivityInstanceState Get Friend Set</code></td>
<td><code>public: property ActivityInstanceState State {</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td><code>    ActivityInstanceState get ();</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td>`    internal: void set (ActivityInstanceState va.</td>
</tr>
</tbody>
</table>
See Also

WorkflowEpisodeResult Class
WorkflowEpisodeResult Members
Microsoft.Activities.Extensions Namespace
WorkflowIdleEpisodeResult Class

Result when a workflow episode ends with idle

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>C#</td>
<td><code>public class WorkflowIdleEpisodeResult : WorkflowEpisodeResult</code></td>
</tr>
<tr>
<td>Visual Basic</td>
<td><code>Public Class WorkflowIdleEpisodeResult _ Inherits WorkflowEpisodeResult</code></td>
</tr>
<tr>
<td>Visual C++</td>
<td><code>public ref class WorkflowIdleEpisodeResult : public</code></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.WorkflowEpisodeResult
Microsoft.Activities.Extensions.WorkflowIdleEpisodeResult
See Also

WorkflowIdleEpisodeResult Members
Microsoft.Activities.Extensions Namespace
The **WorkflowIdleEpisodeResult** type exposes the following members.
## Constructors

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<th>Description</th>
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<tbody>
<tr>
<td>WorkflowIdleEpisodeResult</td>
<td>Initializes a new instance of the WorkflowIdleEpisodeResult class.</td>
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</table>
## Methods

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## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IdleArgs</td>
<td>Gets IdleArgs.</td>
</tr>
</tbody>
</table>
| InstanceId   | Gets or sets InstanceId.  
                            (Inherited from WorkflowEpisodeResult.)   |
| State        | Gets State  
                            (Inherited from WorkflowEpisodeResult.)   |
| Unloaded     | Gets or sets a value indicating whether Unloaded.                            |
See Also

WorkflowIdleEpisodeResult Class
Microsoft.Activities.Extensions Namespace
Initializes a new instance of the `WorkflowIdleEpisodeResult` class.

**Namespace:** [Microsoft.Activities.Extensions](https://msdn.microsoft.com/en-us/library/ee653455(v=vs.100).aspx)  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public WorkflowIdleEpisodeResult(
    WorkflowApplicationIdleEventArgs args,
    Guid instanceId
)
```

**Visual Basic**

```vbnet
Public Sub New (_
    args As WorkflowApplicationIdleEventArgs, _
    instanceId As Guid _
)
```

**Visual C++**

```cpp
public:
WorkflowIdleEpisodeResult(
    WorkflowApplicationIdleEventArgs^ args,
    Guid instanceId
)
```

### Parameters

*args*
Type: `System.Activities.WorkflowApplicationIdleEventArgs`
The event args.

*instanceId*
Type: `System.Guid`
The instance Id.
See Also

WorkflowIdleEpisodeResult Class
WorkflowIdleEpisodeResult Members
Microsoft.Activities.Extensions Namespace
The `WorkflowIdleEpisodeResult` type exposes the following members.
### Methods

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<td>Creates a shallow copy of the current <a href="#">Object</a>. (Inherited from <a href="#">Object</a>)</td>
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<td>Returns a <a href="#">String</a> that represents the current <a href="#">Object</a>. (Inherited from <a href="#">Object</a>)</td>
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See Also

WorkflowIdleEpisodeResult Class
Microsoft.Activities.Extensions Namespace
The `WorkflowIdleEpisodeResult` type exposes the following members.
## Properties

<table>
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<tr>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IdleArgs</td>
<td>Gets IdleArgs.</td>
</tr>
</tbody>
</table>
| InstanceId | Gets or sets InstanceId.  
  (Inherited from WorkflowEpisodeResult.)                                          |
| State      | Gets State  
  (Inherited from WorkflowEpisodeResult.)                                          |
| Unloaded   | Gets or sets a value indicating whether Unloaded.                           |
See Also

WorkflowIdleEpisodeResult Class
Microsoft.Activities.Extensions Namespace
WorkflowIdleEpisodeResult.IdleArgs Property

Gets IdleArgs.

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>public WorkflowApplicationIdleEventArgs IdleArgs { get; }</code></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visual Basic</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>Public Property IdleArgs As WorkflowApplicationIdleEventArgs</code></td>
</tr>
<tr>
<td><code>Get</code></td>
</tr>
<tr>
<td><code>Friend Set</code></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>public: property WorkflowApplicationIdleEventArgs^ IdleArgs =</code></td>
</tr>
<tr>
<td><code>WorkflowApplicationIdleEventArgs^ get ();</code></td>
</tr>
<tr>
<td><code>internal: void set (WorkflowApplicationIdleEventArgs^)</code></td>
</tr>
</tbody>
</table>
See Also

WorkflowIdleEpisodeResult Class
WorkflowIdleEpisodeResult Members
Microsoft.Activities.Extensions Namespace
WorkflowIdleEpisodeResult.Unloaded Property

Gets or sets a value indicating whether Unloaded.

Namespace: Microsoft.Activities.Extensions
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
</tr>
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<tbody>
<tr>
<td><code>public bool Unloaded { get; set; }</code></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visual Basic</th>
</tr>
</thead>
<tbody>
<tr>
<td>`Public Property Unloaded As Boolean Get</td>
</tr>
<tr>
<td>Set</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td>`public: bool Unloaded { bool get ();</td>
</tr>
<tr>
<td>void set (bool value);}</td>
</tr>
</tbody>
</table>
See Also

WorkflowIdleEpisodeResult Class
WorkflowIdleEpisodeResult Members
Microsoft.Activities.Extensions Namespace
The xaml assembly resolution option.

**Namespace:** Microsoft.Activities.Extensions

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public enum XamlAssemblyResolutionOption</code></td>
<td><strong>Public Enumeration XamlAssemblyResolutionOption</strong></td>
<td><code>public enum class XamlAssemblyResolutionOption</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Members

<table>
<thead>
<tr>
<th>Member name</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FullName</td>
<td>0</td>
<td>Will load an assemblies with matching Name, Version and PublicKeyToken (Default CLR behavior).</td>
</tr>
<tr>
<td>VersionIndependent</td>
<td>1</td>
<td>Will load an assemblies with matching Name and PublicKeyToken (WF4 behavior).</td>
</tr>
</tbody>
</table>
See Also

Microsoft.Activities.Extensions Namespace
Classes that provide Diagnostic support for Workflows and Workflow Services
## Classes

<table>
<thead>
<tr>
<th>Class</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>![image] TraceTrackingParticipant</td>
<td>Outputs tracking records to System.Diagnostics.Trace</td>
</tr>
<tr>
<td>![image] WorkflowApplicationIdleEventArgsDiagnostics</td>
<td>The workflow application idle event args diagnostics.</td>
</tr>
<tr>
<td>![image] WorkflowServiceTraceBehavior</td>
<td>The workflow service trace behavior.</td>
</tr>
<tr>
<td>![image] WorkflowServiceTraceElement</td>
<td>The workflow service trace element.</td>
</tr>
</tbody>
</table>
TraceTrackingParticipant Class

Namespace: Microsoft.Activities.Extensions.Diagnostics
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Outputs tracking records to System.Diagnostics.Trace
<table>
<thead>
<tr>
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<th></th>
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<tbody>
<tr>
<td>C#</td>
<td>public class TraceTrackingParticipant : TrackingParticipant</td>
</tr>
<tr>
<td>Visual Basic</td>
<td>Public Class TraceTrackingParticipant _ Inherits TrackingParticipant</td>
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<tr>
<td>Visual C++</td>
<td>public ref class TraceTrackingParticipant : public TrackingParticipant</td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
System.Activities.Tracking.TrackingParticipant
Microsoft.Activities.Extensions.Diagnostics.TraceTrackingParticipant
See Also

- TraceTrackingParticipant Members
- Microsoft.Activities.Extensions.Diagnostics Namespace
The `TraceTrackingParticipant` type exposes the following members.
### Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>TraceTrackingParticipant()</code></td>
<td>Initializes a new instance of the <code>TraceTrackingParticipant</code> class.</td>
</tr>
<tr>
<td><code>TraceTrackingParticipant(TraceSource)</code></td>
<td>Initializes a new instance of the <code>TraceTrackingParticipant</code> class.</td>
</tr>
<tr>
<td><code>TraceTrackingParticipant(TrackingOptions)</code></td>
<td>Initializes a new instance of the <code>TraceTrackingParticipant</code> class.</td>
</tr>
<tr>
<td><code>TraceTrackingParticipant(TraceSource, TrackingOptions)</code></td>
<td>Initializes a new instance of the <code>TraceTrackingParticipant</code> class.</td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td><strong>BeginTrack</strong></td>
<td>When implemented in a derived class, begins asynchronous processing of the tracking record. (Inherited from TrackingParticipant.)</td>
</tr>
<tr>
<td><strong>EndTrack</strong></td>
<td>When implemented in a derived class, represents the end of an asynchronous tracking operation. (Inherited from TrackingParticipant.)</td>
</tr>
<tr>
<td><strong>Equals</strong></td>
<td>Determines whether the specified Object is equal to the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection. (Inherited from Object.)</td>
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<tr>
<td><strong>GetHashCode</strong></td>
<td>Serves as a hash function for a particular type. (Inherited from Object.)</td>
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<td><strong>GetType</strong></td>
<td>Gets the Type of the current instance. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>ToString</strong></td>
<td>Returns a String that represents the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>Track</strong></td>
<td>Track the record (Overrides TrackingParticipant.Track(TrackingRecord, TimeSpan).)</td>
</tr>
</tbody>
</table>
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TrackingProfile</td>
<td>The tracking profile object used by the tracking participant. Before adding the tracking participant to the workflow extensions, the tracking profile is set on the participant. (Inherited from <a href="#">TrackingParticipant</a>.)</td>
</tr>
</tbody>
</table>
See Also

TraceTrackingParticipant Class
Microsoft.Activities.Extensions.Diagnostics Namespace
TraceTrackingParticipant Constructor

See Also
Send Feedback
## Overload List

<table>
<thead>
<tr>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>TraceTrackingParticipant()</code></td>
<td>Initializes a new instance of the <code>TraceTrackingParticipant</code> class.</td>
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<tr>
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<td>Initializes a new instance of the <code>TraceTrackingParticipant</code> class.</td>
</tr>
</tbody>
</table>
See Also

TraceTrackingParticipant Class
TraceTrackingParticipant Members
Microsoft.Activities.Extensions.Diagnostics Namespace
Microsoft.Activities.Extensions

TraceTrackingParticipant Constructor
See Also Send Feedback

Initializes a new instance of the TraceTrackingParticipant class.

**Namespace:** Microsoft.Activities.Extensions.Diagnostics
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
</tr>
<tr>
<td>public TraceTrackingParticipant()</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
</tr>
<tr>
<td>Public Sub New</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
</tr>
<tr>
<td>public: TraceTrackingParticipant()</td>
</tr>
</tbody>
</table>
See Also

TraceTrackingParticipant Class
TraceTrackingParticipant Members
TraceTrackingParticipant Overload
Microsoft.Activities.Extensions.Diagnostics Namespace
Initializes a new instance of the **TraceTrackingParticipant** class.

**Namespace:** [Microsoft.Activities.Extensions.Diagnostics](https://docs.microsoft.com/en-us/dotnet/api/microsoft.activities.extensions.diagnostics?view=ms-dotnet-activities)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public TraceTrackingParticipant(
    TraceSource source
)
```

### Visual Basic

```vbnet
Public Sub New (_
    source As TraceSource _
)
```

### Visual C++

```cpp
public:
TraceTrackingParticipant(
    TraceSource^ source
)
```

## Parameters

*source*

Type: `System.Diagnostics.TraceSource`

The source.
See Also

TraceTrackingParticipant Class
TraceTrackingParticipant Members
TraceTrackingParticipant Overload
Microsoft.Activities.Extensions.Diagnostics Namespace
Initializes a new instance of the TraceTrackingParticipant class.

**Namespace:** [Microsoft_Activities_Extensions_Diagnostics](https://github.com/microsoft/activities-extensions-diagnostics)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public TraceTrackingParticipant(
    TrackingOptions options
)
```

**Visual Basic**

```vbnet
Public Sub New (_
    options As TrackingOptions _
)
```

**Visual C++**

```cpp
public:
TraceTrackingParticipant(
    TrackingOptions options
)
```

### Parameters

*options*

Type: [Microsoft.Activities.Extensions.Tracking.TrackingOptions](#)

The tracking options
See Also

TraceTrackingParticipant Class
TraceTrackingParticipant Members
TraceTrackingParticipant Overload
Microsoft.Activities.Extensions.Diagnostics Namespace
Initializes a new instance of the `TraceTrackingParticipant` class.

**Namespace:** Microsoft.Activities.Extensions.Diagnostics

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
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<td>TraceSource source,</td>
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</tr>
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<td></td>
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<td>TrackingOptions options</td>
<td></td>
</tr>
<tr>
<td>)</td>
<td></td>
</tr>
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</table>

### Parameters

**source**
Type: [System.Diagnostics.TraceSource](https://docs.microsoft.com/en-us/dotnet/api/system.diagnostics.tracesource)
The trace source.

**options**
Type: [Microsoft.Activities.Extensions.Tracking.TrackingOptions](https://docs.microsoft.com/en-us/dotnet/api/microsoft.activities.extensions.tracking.trackingoptions)
The tracking options
See Also

TraceTrackingParticipant Class
TraceTrackingParticipant Members
TraceTrackingParticipant Overload
Microsoft.Activities.Extensions.Diagnostics Namespace
The `TraceTrackingParticipant` type exposes the following members.
## Methods

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See Also

TraceTrackingParticipant Class
Microsoft.Activities.Extensions.Diagnostics Namespace
Microsoft.Activities.Extensions

TraceTrackingParticipant.Track Method

See Also  Send Feedback

Track the record

Namespace: Microsoft.Activities.Extensions.Diagnostics
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

protected override void Track(
    TrackingRecord record,
    TimeSpan timeout
)

Visual Basic

Protected Overrides Sub Track ( _
    record As TrackingRecord, _
    timeout As TimeSpan _
)

Visual C++

protected:
virtual void Track(
    TrackingRecord^ record,
    TimeSpan timeout
) override

Parameters

record
Type: System.Activities.Tracking.TrackingRecord
The record to track

timeout
Type: System.TimeSpan
The timeout value
See Also

TraceTrackingParticipant Class
TraceTrackingParticipant Members
Microsoft.Activities.Extensions.Diagnostics Namespace
The `TraceTrackingParticipant` type exposes the following members.
### Properties

<table>
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<tr>
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<td>TrackingProfile</td>
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</table>
See Also

- TraceTrackingParticipant Class
- Microsoft.Activities.Extensions.Diagnostics Namespace
WorkflowApplicationIdleEventArgsDiagnostics Class

The workflow application idle event args diagnostics.

Namespace: Microsoft.Activities.Extensions.Diagnostics
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
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<tr>
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<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td>C#</td>
<td><code>public static class WorkflowApplicationIdleEventArgsDiagnostics</code></td>
</tr>
<tr>
<td>Visual Basic</td>
<td><code>&lt;ExtensionAttribute&gt; _ Public NotInheritable Class WorkflowApplicationIdleEventArgsDiagnostics</code></td>
</tr>
<tr>
<td>Visual C++</td>
<td><code>[ExtensionAttribute] public ref class WorkflowApplicationIdleEventArgsDiagnostics</code></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
See Also

WorkflowApplicationIdleEventArgsDiagnostics Members
Microsoft.Activities.Extensions.Diagnostics Namespace
Microsoft.Activities.Extensions

**WorkflowApplicationIdleEventArgsDiagnostics Members**

[WorkflowApplicationIdleEventArgsDiagnostics Class](#) [Methods](#) [See Also](#) [Send Feedback](#)

The [WorkflowApplicationIdleEventArgsDiagnostics](#) type exposes the following members.
### Methods

<table>
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</tr>
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<tbody>
<tr>
<td>BookmarksToDelimitedList</td>
<td>Gets a comma delimited list of bookmarks</td>
</tr>
<tr>
<td>Trace</td>
<td>The trace extension method allows you to get a formatted trace of the bookmarks and count.</td>
</tr>
</tbody>
</table>
See Also

WorkflowApplicationIdleEventArgsDiagnostics Class
Microsoft.Activities.Extensions.Diagnostics Namespace
The **WorkflowApplicationIdleEventArgsDiagnostics** type exposes the following members.
## Methods

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See Also

WorkflowApplicationIdleEventArgsDiagnostics Class
Microsoft.Activities.Extensions.Diagnostics Namespace
WorkflowApplicationIdleEventArgsDiagnostics.BookmarksToDelimitedList

Method

Namespace: Microsoft.Activities.Extensions.Diagnostics
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Gets a comma delimited list of bookmarks
Syntax

C#

```csharp
public static string BookmarksToDelimitedList(
    this WorkflowApplicationIdleEventArgs workflowApplicationIdleEventArgs
)
```

Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function BookmarksToDelimitedList (
    workflowApplicationIdleEventArgs As WorkflowApplicationIdleEventArgs
) As String
```

Visual C++

```cpp
public:
    [ExtensionAttribute]
static String^ BookmarksToDelimitedList(
    WorkflowApplicationIdleEventArgs^ workflowApplicationIdleEventArgs
)
```

Parameters

`workflowApplicationIdleEventArgs`
Type: `System.Activities.WorkflowApplicationIdleEventArgs`
The workflow application idle event args.

Return Value

Returns the bookmarks as a delimited list.

Usage Note

In Visual Basic and C#, you can call this method as an instance method on any
object of type WorkflowApplicationIdleEventArgs. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

- WorkflowApplicationIdleEventArgsDiagnostics Class
- WorkflowApplicationIdleEventArgsDiagnostics Members
- Microsoft.Activities.Extensions.Diagnostics Namespace
The trace extension method allows you to get a formatted trace of the bookmarks and count.

**Namespace:** [Microsoft.Activities.Extensions.Diagnostics](https://docs.microsoft.com)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public static void Trace(
    this WorkflowApplicationIdleEventArgs workflowApplicationIdleEventArgs
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Sub Trace ( _
    workflowApplicationIdleEventArgs As WorkflowApplicationIdleEventArgs
)
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
static void Trace( WorkflowApplicationIdleEventArgs^ workflowApplicationIdleEventArgs
)
```

### Parameters

- `workflowApplicationIdleEventArgs`
  - Type: `System.Activities.WorkflowApplicationIdleEventArgs`
  - The idle event argument passed by the workflow runtime to your delegate

### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowApplicationIdleEventArgs`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](extension-methods-visual-basic) or [Extension Methods (C#)](extension-methods-c-sharp).
Programming Guide).
See Also

WorkflowApplicationIdleEventArgsDiagnostics Class
WorkflowApplicationIdleEventArgsDiagnostics Members
Microsoft.Activities.Extensions.Diagnostics Namespace
The workflow service trace behavior.

Namespace: Microsoft.Activities.Extensions.Diagnostics
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

<table>
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<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public class WorkflowServiceTraceBehavior : TrackingBehavior</td>
</tr>
<tr>
<td></td>
<td>Implements IServiceBehavior</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>Public Class WorkflowServiceTraceBehavior _</td>
</tr>
<tr>
<td></td>
<td>Inherits TrackingParticipant _</td>
</tr>
<tr>
<td></td>
<td>Implements IServiceBehavior</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>public ref class WorkflowServiceTraceBehavior : public ref</td>
</tr>
<tr>
<td></td>
<td>IServiceBehavior</td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

- System.Object
- System.Activities.Tracking.TrackingParticipant
See Also

WorkflowServiceTraceBehavior Members
Microsoft.Activities.Extensions.Diagnostics Namespace
The **WorkflowServiceTraceBehavior** type exposes the following members.
### Constructors

<table>
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<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WorkflowServiceTraceBehavior</td>
<td>Initializes a new instance of the WorkflowServiceTraceBehavior class</td>
</tr>
</tbody>
</table>
### Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>AddBindingParameters</code></td>
<td>The add binding parameters.</td>
</tr>
<tr>
<td><code>ApplyDispatchBehavior</code></td>
<td>The apply dispatch behavior.</td>
</tr>
<tr>
<td><code>BeginTrack</code></td>
<td>When implemented in a derived class, begins asynchronous processing of the tracking record. (Inherited from <code>TrackingParticipant</code>.)</td>
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<td><code>Equals</code></td>
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<td><code>ToString</code></td>
<td>Returns a <code>String</code> that represents the current <code>Object</code>. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><code>Track</code></td>
<td>The track. (Overrrides <code>TrackingParticipant.Track(TrackingRecord, TimeSpan)</code>.)</td>
</tr>
<tr>
<td>Validate</td>
<td>The validate.</td>
</tr>
</tbody>
</table>
### Properties

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<td>The tracking profile object used by the tracking participant. Before adding the tracking participant to the workflow extensions, the tracking profile is set on the participant. (Inherited from TrackingParticipant.)</td>
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See Also

WorkflowServiceTraceBehavior Class
Microsoft.Activities.Extensions.Diagnostics Namespace
Initializes a new instance of the `WorkflowServiceTraceBehavior` class

**Namespace:** Microsoft.Activities.Extensions.Diagnostics  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
### Syntax

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<td><code>public WorkflowServiceTraceBehavior()</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Sub New</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public: WorkflowServiceTraceBehavior()</code></td>
</tr>
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</table>
See Also

WorkflowServiceTraceBehavior Class
WorkflowServiceTraceBehavior Members
Microsoft.Activities.Extensions.Diagnostics Namespace
The **WorkflowServiceTraceBehavior** type exposes the following members.
## Methods

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See Also

WorkflowServiceTraceBehavior Class
Microsoft.Activities.Extensions.Diagnostics Namespace
The add binding parameters.

**Namespace:** Microsoft.Activities.Extensions.Diagnostics  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public void AddBindingParameters(
    ServiceDescription serviceDescription,
    ServiceHostBase serviceHostBase,
    Collection<ServiceEndpoint> endpoints,
    BindingParameterCollection bindingParameters
)
```

**Visual Basic**

```vbnet
Public Sub AddBindingParameters (_
    serviceDescription As ServiceDescription, _
    serviceHostBase As ServiceHostBase, _
    endpoints As Collection(Of ServiceEndpoint), _
    bindingParameters As BindingParameterCollection
)
```

**Visual C++**

```cpp
public:
    virtual void AddBindingParameters(
        ServiceDescription^ serviceDescription,
        ServiceHostBase^ serviceHostBase,
        Collection<ServiceEndpoint^>^ endpoints,
        BindingParameterCollection^ bindingParameters
    ) sealed
```

### Parameters

*serviceDescription*

Type: `System.ServiceModel.Description.ServiceDescription`

The service description.
serviceHostBase
Type: System.ServiceModel.ServiceHostBase
The service host base.

endpoints
Type: System.Collections.ObjectModel.Collection(ServiceEndpoint)
The endpoints.

bindingParameters
Type: System.ServiceModel.Channels.BindingParameterCollection
The binding parameters.

Implements
IServiceBehavior.AddBindingParameters(ServiceDescription, ServiceHostBase, Collection(ServiceEndpoint), BindingParameterCollection)
See Also

WorkflowServiceTraceBehavior Class
WorkflowServiceTraceBehavior Members
Microsoft.Activities.Extensions.Diagnostics Namespace
The apply dispatch behavior.

**Namespace:** [Microsoft.Activities.Extensions.Diagnostics](https://www.microsoft.com)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public void ApplyDispatchBehavior(
    ServiceDescription serviceDescription,
    ServiceHostBase serviceHostBase
)
```

#### Visual Basic

```vbnet
Public Sub ApplyDispatchBehavior (_
    serviceDescription As ServiceDescription, _
    serviceHostBase As ServiceHostBase _
)
```

#### Visual C++

```cpp
public:
    virtual void ApplyDispatchBehavior(
        ServiceDescription^ serviceDescription,
        ServiceHostBase^ serviceHostBase
    ) sealed
```

### Parameters

- **serviceDescription**
  Type: `System.ServiceModel.Description.ServiceDescription`
  The service description.

- **serviceHostBase**
  Type: `System.ServiceModel.ServiceHostBase`
  The service host base.

### Implements
IServiceBehavior.ApplyDispatchBehavior(ServiceDescription, ServiceHostBase)
See Also

WorkflowServiceTraceBehavior Class
WorkflowServiceTraceBehavior Members
Microsoft.Activities.Extensions.Diagnostics Namespace
The track.

**Namespace:** Microsoft.Activities.Extensions.Diagnostics  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
protected override void Track(
    TrackingRecord record,
    TimeSpan timeout
)
```

Visual Basic

```vbnet
Protected Overrides Sub Track ( _
    record As TrackingRecord, _
    timeout As TimeSpan _
)
```

Visual C++

```cpp
protected:
virtual void Track(
    TrackingRecord^ record,
    TimeSpan timeout
) override
```

Parameters

- **record**
  Type: System.Activities.Tracking.TrackingRecord
  The record.

- **timeout**
  Type: System.TimeSpan
  The timeout.
See Also

WorkflowServiceTraceBehavior Class
WorkflowServiceTraceBehavior Members
Microsoft.Activities.Extensions.Diagnostics Namespace
WorkflowServiceTraceBehavior. Validate Method

Namespace: Microsoft.Activities.Extensions.Diagnostics
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public void Validate(
    ServiceDescription serviceDescription,
    ServiceHostBase serviceHostBase
)
```

Visual Basic

```vbnet
Public Sub Validate (_
    serviceDescription As ServiceDescription, _
    serviceHostBase As ServiceHostBase:_
)
```

Visual C++

```cpp
public:
    virtual void Validate(
        ServiceDescription^ serviceDescription, 
        ServiceHostBase^ serviceHostBase
    ) sealed
```

Parameters

serviceDescription
Type: System.ServiceModel.Description.ServiceDescription
The service description.

serviceHostBase
Type: System.ServiceModel.ServiceHostBase
The service host base.

Implements
IServiceBehavior.Validate(ServiceDescription, ServiceHostBase)
See Also

WorkflowServiceTraceBehavior Class
WorkflowServiceTraceBehavior Members
Microsoft.Activities.Extensions.Diagnostics Namespace
The `WorkflowServiceTraceBehavior` type exposes the following members.
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="TrackingProfile" alt="TrackingProfile" /></td>
<td>The tracking profile object used by the tracking participant. Before adding the tracking participant to the workflow extensions, the tracking profile is set on the participant. (Inherited from TrackingParticipant.)</td>
</tr>
</tbody>
</table>
See Also

WorkflowServiceTraceBehavior Class
Microsoft.Activities.Extensions.Diagnostics Namespace
Microsoft.Activities.Extensions

WorkflowServiceTraceElement Class

The workflow service trace element.

Namespace: Microsoft.Activities.Extensions.Diagnostics
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
</table>
| **C#**   | ```
public class WorkflowServiceTraceElement : BehaviorEx |
``` |
| **Visual Basic** | ```
Public Class WorkflowServiceTraceElement _
    Inherits BehaviorExtensionElement |
``` |
| **Visual C++** | ```
public ref class WorkflowServiceTraceElement : public |
``` |
Inheritance Hierarchy

- System.Object
- System.Configuration.ConfigurationElement
  - System.ServiceModel.Configuration.ServiceModelConfigurationElement
See Also

WorkflowServiceTraceElement Members
Microsoft.Activities.Extensions.Diagnostics Namespace
Microsoft.Activities.Extensions

WorkflowServiceTraceElement Members

WorkflowServiceTraceElement Class Constructors Methods Properties See Also Send Feedback

The WorkflowServiceTraceElement type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WorkflowServiceTraceElement</td>
<td>Initializes a new instance of the WorkflowServiceTraceElement class</td>
</tr>
</tbody>
</table>
### Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CopyFrom</strong></td>
<td>Copies the content of the specified configuration element to this configuration element. (Inherited from <code>ServiceModelExtensionElement</code>.)</td>
</tr>
<tr>
<td><strong>CreateBehavior</strong></td>
<td>The create behavior. (Overrids <code>BehaviorExtensionElement.CreateBehavior</code>.)</td>
</tr>
<tr>
<td><strong>DeserializeElement</strong></td>
<td>Reads XML from the configuration file. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>Equals</strong></td>
<td>Compares the current <code>ConfigurationElement</code> instance to the specified object. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows an <code>Object</code> to attempt to free resources and perform other cleanup operations before the <code>Object</code> is reclaimed by garbage collection. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Gets a unique value representing the current <code>ConfigurationElement</code> instance. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>GetTransformedAssemblyString</strong></td>
<td>Returns the transformed version of the specified assembly name. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>GetTransformedTypeString</strong></td>
<td>Returns the transformed version of the specified type name. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the <code>Type</code> of the current instance. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><strong>Init</strong></td>
<td>Sets the <code>ConfigurationElement</code> object to its initial state. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>InitializeDefault</strong></td>
<td>Used to initialize a default set of configuration values. (Inherited from <code>ConfigurationElement</code> object.)</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>IsModified</td>
<td>Gets a value that specifies whether the configuration element has been modified.</td>
</tr>
<tr>
<td>IsReadOnly</td>
<td>Gets a value indicating whether the ConfigurationElement object is read-only.</td>
</tr>
<tr>
<td>ListErrors</td>
<td>Adds the invalid-property errors to this ConfigurationElement object, and to subelements, to the passed list.</td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td>Creates a shallow copy of the current configuration element object.</td>
</tr>
<tr>
<td>OnDeserializeUnrecognizedAttribute</td>
<td>Gets a value indicating whether an unknown attribute is encountered during deserialization.</td>
</tr>
<tr>
<td>OnDeserializeUnrecognizedElement</td>
<td>Gets a value indicating whether an unknown element is encountered during deserialization.</td>
</tr>
<tr>
<td>OnRequiredPropertyNotFound</td>
<td>Throws an exception when a required property is not found.</td>
</tr>
<tr>
<td>PostDeserialize</td>
<td>Called after deserialization.</td>
</tr>
<tr>
<td>PreSerialize</td>
<td>Called before serialization.</td>
</tr>
<tr>
<td>Reset</td>
<td>Resets the internal state of this configuration element object, including the locks and properties collections.</td>
</tr>
<tr>
<td>ResetModified</td>
<td>Resets the value of the IsModified property to false when implemented in a derived class.</td>
</tr>
<tr>
<td>SerializeElement</td>
<td>Writes the contents of this configuration element to a stream.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>-------------</td>
</tr>
<tr>
<td>SerializeToXmlElement</td>
<td>Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from <code>ServiceModelExtensionElement</code>.)</td>
</tr>
<tr>
<td>SetPropertyValue</td>
<td>Sets a property to the specified value. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>SetPropertyValueIfNotDefaultValue<code>\</code>1</td>
<td>(Inherited from <code>ServiceModelConfigurationElement</code>.)</td>
</tr>
<tr>
<td>SetReadOnly</td>
<td>Sets the <code>IsReadOnly()</code> property for the <code>ConfigurationElement</code> object and all subelements. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a <code>String</code> that represents the current <code>Object</code>. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td>Unmerge</td>
<td>Modifies the <code>ConfigurationElement</code> remove all values that should not be saved. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
</tbody>
</table>
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BehaviorType</strong></td>
<td>Gets BehaviorType. (Overrides BehaviorExtensionElement.BehaviorType.)</td>
</tr>
<tr>
<td><strong>ConfigurationElementName</strong></td>
<td>Gets the name of this configuration element. (Inherited from ServiceModelExtensionElement.)</td>
</tr>
<tr>
<td><strong>CurrentConfiguration</strong></td>
<td>Gets a reference to the top-level Configuration instance that represents the configuration hierarchy that the current ConfigurationElement instance belongs to. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td><strong>ElementInformation</strong></td>
<td>Gets an ElementInformation object that contains the non-customizable information and functionality of the ConfigurationElement object. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td><strong>ElementProperty</strong></td>
<td>Gets the ConfigurationElementProperty object that represents the ConfigurationElement object itself. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td><strong>EvaluationContext</strong></td>
<td>Gets the ContextInformation object for the ConfigurationElement object. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td><strong>HasContext</strong></td>
<td>(Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td><strong>Item(ConfigurationProperty)</strong></td>
<td>Gets or sets a property or attribute of this configuration element. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td><strong>Item(String)</strong></td>
<td>Gets or sets a property, attribute, or child element of this configuration element. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td><strong>LockAllAttributesExcept</strong></td>
<td>Gets the collection of locked attributes. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>LockAllElementsExcept</td>
<td>Gets the collection of locked elements. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>LockAttributes</td>
<td>Gets the collection of locked attributes. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>LockElements</td>
<td>Gets the collection of locked elements. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>LockItem</td>
<td>Gets or sets a value indicating whether the element is locked. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>Properties</td>
<td>Gets the collection of properties. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
</tbody>
</table>
See Also

WorkflowServiceTraceElement Class
Microsoft.Activities.Extensions.Diagnostics Namespace
Microsoft.Activities.Extensions

WorkflowServiceTraceElement Constructor

WorkflowServiceTraceElement Class  See Also  Send Feedback

Initializes a new instance of the WorkflowServiceTraceElement class

Namespace: Microsoft.Activities.Extensions.Diagnostics
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public WorkflowServiceTraceElement()</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Sub New</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public: WorkflowServiceTraceElement()</code></td>
</tr>
</tbody>
</table>
See Also

WorkflowServiceTraceElement Class
WorkflowServiceTraceElement Members
Microsoft.Activities.Extensions.Diagnostics Namespace
The **WorkflowServiceTraceElement** type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CopyFrom</strong></td>
<td>Copies the content of the specified configuration element to this configuration element. (Inherited from ServiceModelExtensionElement)</td>
</tr>
<tr>
<td><strong>CreateBehavior</strong></td>
<td>The create behavior. (Overrides BehaviorExtensionElement.CreateBehavior)</td>
</tr>
<tr>
<td><strong>DeserializationElement</strong></td>
<td>Reads XML from the configuration file. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>Equals</strong></td>
<td>Compares the current ConfigurationElement instance to the specified object. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection. (Inherited from Object)</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Gets a unique value representing the current ConfigurationElement instance. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>GetTransformedAssemblyString</strong></td>
<td>Returns the transformed version of the specified assembly name. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>GetTransformedTypeString</strong></td>
<td>Returns the transformed version of the specified type name. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the Type of the current instance. (Inherited from Object)</td>
</tr>
<tr>
<td><strong>Init</strong></td>
<td>Sets the ConfigurationElement object to its initial state. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>InitializeDefault</strong></td>
<td>Used to initialize a default set of ConfigurationElement object.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>IsModified</strong></td>
<td>Gets a value that specifies whether this configuration element has been modified. (Inherited from ServiceModelExtensionElement)</td>
</tr>
<tr>
<td><strong>IsReadOnly</strong></td>
<td>Gets a value indicating whether this ConfigurationElement object is read-only. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>ListErrors</strong></td>
<td>Adds the invalid-property errors in this ConfigurationElement object, and in subelements, to the passed list. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current object. (Inherited from Object)</td>
</tr>
<tr>
<td><strong>OnDeserializeUnrecognizedAttribute</strong></td>
<td>Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>OnDeserializeUnrecognizedElement</strong></td>
<td>Gets a value indicating whether an unknown element is encountered during deserialization. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>OnRequiredPropertyNotFound</strong></td>
<td>Throws an exception when a required property is not found. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>PostDeserialize</strong></td>
<td>Called after deserialization. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>PreSerialize</strong></td>
<td>Called before serialization. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>Reset</strong></td>
<td>Resets the internal state of this configuration element object, including the locks and the properties collections. (Inherited from ServiceModelExtensionElement)</td>
</tr>
<tr>
<td><strong>ResetModified</strong></td>
<td>Resets the value of the IsModified property to false when implemented in a derived class. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>SerializeElement</strong></td>
<td>Writes the contents of this configuration element to a configuration file. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>SerializeToXmlElement</td>
<td>Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from ServiceModelExtensionElement)</td>
</tr>
<tr>
<td>SetPropertyValue</td>
<td>Sets a property to the specified value. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>SetPropertyValueIfNotDefaultValue</td>
<td>Sets the <code>IsReadOnly()</code> property of the <code>ConfigurationElement</code> object and all subelements. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>SetReadOnly</td>
<td>Sets the <code>IsReadOnly()</code> property. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a <code>String</code> that represents the <code>Object</code>. (Inherited from Object)</td>
</tr>
<tr>
<td>Unmerge</td>
<td>Modifies the <code>ConfigurationElement</code> remove all values that should not be saved. (Inherited from ConfigurationElement)</td>
</tr>
</tbody>
</table>
See Also

WorkflowServiceTraceElement Class
Microsoft.Activities.Extensions.Diagnostics Namespace
The create behavior.

**Namespace:**  [Microsoft.Activities.Extensions.Diagnostics](#)

**Assembly:**  Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
protected override Object CreateBehavior()
```

**Visual Basic**

```vbnet
Protected Overrides Function CreateBehavior As Object
```

**Visual C++**

```cpp
protected:
virtual Object^ CreateBehavior() override
```

### Return Value

The behavior
See Also

WorkflowServiceTraceElement Class
WorkflowServiceTraceElement Members
Microsoft.Activities.Extensions.Diagnostics Namespace
The `WorkflowServiceTraceElement` type exposes the following members.
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BehaviorType</strong></td>
<td>Gets BehaviorType. (Overides <code>BehaviorExtensionElement, BehaviorType</code>.)</td>
</tr>
<tr>
<td><strong>ConfigurationElementName</strong></td>
<td>Gets the name of this configuration element. (Inherited from <code>ServiceModelExtensionElement</code>.)</td>
</tr>
<tr>
<td><strong>CurrentConfiguration</strong></td>
<td>Gets a reference to the top-level <code>Configuration</code> instance that represents the configuration hierarchy that the current <code>ConfigurationElement</code> instance belongs to. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>ElementInformation</strong></td>
<td>Gets an <code>ElementInformation</code> object that contains the non-customizable information and functionality of the <code>ConfigurationElement</code> object. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>ElementProperty</strong></td>
<td>Gets the <code>ConfigurationElementProperty</code> object that represents the <code>ConfigurationElement</code> object itself. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>EvaluationContext</strong></td>
<td>Gets the <code>ContextInformation</code> object for the <code>ConfigurationElement</code> object. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>HasContext</strong></td>
<td>(Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>Item(ConfigurationProperty)</strong></td>
<td>Gets or sets a property or attribute of this configuration element. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>Item(String)</strong></td>
<td>Gets or sets a property, attribute, or child element of this configuration element. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>LockAllAttributesExcept</strong></td>
<td>Gets the collection of locked attributes. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>LockAllElementsExcept</td>
<td>Gets the collection of locked elements.  (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>LockAttributes</td>
<td>Gets the collection of locked attributes.  (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>LockElements</td>
<td>Gets the collection of locked elements.  (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>LockItem</td>
<td>Gets or sets a value indicating whether the element is locked.  (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>Properties</td>
<td>Gets the collection of properties.  (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
</tbody>
</table>
See Also

WorkflowServiceTraceElement Class
Microsoft.Activities.Extensions.Diagnostics Namespace
WorkflowServiceTraceElement.BehaviorType Property

Gets BehaviorType.


**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public override Type BehaviorType { get; }
```

**Visual Basic**

```vbnet
Public Overrides ReadOnly Property BehaviorType As Type
Get
```

**Visual C++**

```cpp
public:
virtual property Type^ BehaviorType {
    Type^ get () override;
}
```
See Also

WorkflowServiceTraceElement Class
WorkflowServiceTraceElement Members
Microsoft.Activities.Extensions.Diagnostics Namespace
## Classes

<table>
<thead>
<tr>
<th>Class</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SqlWorkflowInstanceStoreManager</td>
<td>Provides operations for Managing a SqlWorkflowInstanceStore Database</td>
</tr>
</tbody>
</table>
**Enumerations**

<table>
<thead>
<tr>
<th>Enumeration</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SqlWorkflowInstanceStoreScript</td>
<td>The type of script</td>
</tr>
</tbody>
</table>
SqlWorkflowInstanceStoreManager Class

Provides operations for Managing a SqlWorkflowInstanceStore Database

**Namespace:** [Microsoft.Activities.Extensions.DurableInstancing](https://docs.microsoft.com)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```
public static class SqlWorkflowInstanceStoreManager
```

**Visual Basic**

```
Public NotInheritable Class SqlWorkflowInstanceStoreManager
```

**Visual C++**

```
public ref class SqlWorkflowInstanceStoreManager abstract
```
Inheritance Hierarchy

- System.Object
See Also

SqlWorkflowInstanceStoreManager Members
Microsoft.Activities.Extensions.DurableInstancing Namespace
The `SqlWorkflowInstanceStoreManager` type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ConfigureInstanceStore</strong></td>
<td>Runs the schema and logic scripts on an existing database</td>
</tr>
<tr>
<td><strong>CreateInstanceStore</strong></td>
<td>Creates an instance store database</td>
</tr>
<tr>
<td><strong>DropInstanceStore</strong></td>
<td>Drops a database</td>
</tr>
<tr>
<td><strong>InstanceStoreExists</strong></td>
<td>Determines if the database exists or not</td>
</tr>
</tbody>
</table>
### Fields

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>SchemaName</code></td>
<td>Schema name for SqlWorkflowInstanceStore</td>
</tr>
</tbody>
</table>
See Also

SqlWorkflowInstanceStoreManager Class
Microsoft.Activities.Extensions.DurableInstancing Namespace
The `SqlWorkflowInstanceStoreManager` type exposes the following members.
### Fields

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<td>Schema name for SqlWorkflowInstanceStore</td>
</tr>
</tbody>
</table>
See Also

SqlWorkflowInstanceStoreManager Class
Microsoft.Activities.Extensions.DurableInstancing Namespace
Schema name for SqlWorkflowInstanceStore


**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public const string SchemaName
```

### Visual Basic

```vbnet
Public Const SchemaName As String
```

### Visual C++

```cpp
public:
    literal String^ SchemaName
```
See Also

SqlWorkflowInstanceStoreManager Class
SqlWorkflowInstanceStoreManager Members
Microsoft.Activities.Extensions.DurableInstancing Namespace
The `SqlWorkflowInstanceStoreManager` type exposes the following members.
## Methods

<table>
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<tr>
<td>ConfigureInstanceStore</td>
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<tr>
<td>InstanceStoreExists</td>
<td>Determines if the database exists or not</td>
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</tbody>
</table>
See Also

SqlWorkflowInstanceStoreManager Class
Microsoft.Activities.Extensions.DurableInstancing Namespace
Microsoft.Activities.Extensions
SqlWorkflowInstanceStoreManager.ConfigureInstanceStore Method
SqlWorkflowInstanceStoreManager Class  See Also  Send Feedback

Runs the schema and logic scripts on an existing database

Namespace: Microsoft.Activities.Extensions.DurableInstancing
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public static void ConfigureInstanceStore(
    string databaseName,
    string connectionString
)
```

**Visual Basic**

```vbnet
Public Shared Sub ConfigureInstanceStore (_
    databaseName As String, _
    connectionString As String _
)
```

**Visual C++**

```cpp
public:
static void ConfigureInstanceStore(
    String^ databaseName,
    String^ connectionString
)
```

### Parameters

- **databaseName**
  - Type: `System.String`
  - Name of the database

- **connectionString**
  - Type: `System.String`
  - The connection string.
See Also

SqlWorkflowInstanceStoreManager Class
SqlWorkflowInstanceStoreManager Members
Microsoft.Activities.Extensions.DurableInstancing Namespace
Microsoft.Activities.Extensions

SqlWorkflowInstanceStoreManager.CreateInstanceStore Method

SqlWorkflowInstanceStoreManager Class  See Also  Send Feedback

Creates an instance store database

Namespace: Microsoft.Activities.Extensions.DurableInstancing
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public static void CreateInstanceStore(
    string databaseName,
    string connectionString,
    bool dropIfExists = false
)
```

Visual Basic

```vbnet
Public Shared Sub CreateInstanceStore (_
    databaseName As String, _
    connectionString As String, _
    Optional dropIfExists As Boolean = False _
)
```

Visual C++

```cpp
public:
    static void CreateInstanceStore(
        String^ databaseName, 
        String^ connectionString, 
        bool dropIfExists = false
    )
```

Parameters

`databaseName`
Type: `System.String`
The database name.

`connectionString`
Type: `System.String`
The connection string.
dropIfExists (Optional)
Type: System.Boolean
Drop the database if it exists
See Also

SqlWorkflowInstanceStoreManager Class
SqlWorkflowInstanceStoreManager Members
Microsoft.Activities.Extensions.DurableInstancing Namespace
Microsoft.Activities.Extensions

SqlWorkflowInstanceStoreManager.DropInstanceStore Method

See Also  Send Feedback

Drops a database

Namespace: Microsoft.Activities.Extensions.DurableInstancing
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
</table>
| public static void DropInstanceStore(  
  string databaseName,  
  string connectionString  
) | Public Shared Sub DropInstanceStore ( _  
  databaseName As String, _  
  connectionString As String _  
) | public: 
  static void DropInstanceStore(  
    String^ databaseName,  
    String^ connectionString  
) |

### Parameters

- **databaseName**
  - Type: System.String
  - The database name.

- **connectionString**
  - Type: System.String
  - The connection string.
See Also

SqlWorkflowInstanceStoreManager Class
SqlWorkflowInstanceStoreManager Members
Microsoft.Activities.Extensions.DurableInstancing Namespace
Determines if the database exists or not

**Namespace:** [Microsoft.Activities.Extensions.DurableInstancing](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

**C#**

```csharp
public static bool InstanceStoreExists(
    string databaseName,
    string connectionString
)
```

**Visual Basic**

```vbnet
Public Shared Function InstanceStoreExists (_
    databaseName As String, _
    connectionString As String _
) As Boolean
```

**Visual C++**

```cpp
public:
static bool InstanceStoreExists(
    String^ databaseName,
    String^ connectionString
)
```

**Parameters**

- `databaseName`  
  Type: `System.String`  
  The database name.

- `connectionString`  
  Type: `System.String`  
  The connection string.

**Return Value**
true if the database exists
See Also

SqlWorkflowInstanceStoreManager Class
SqlWorkflowInstanceStoreManager Members
Microsoft.Activities.Extensions.DurableInstancing Namespace
Microsoft.Activities.Extensions

SqlWorkflowInstanceStoreScript Enumeration

See Also Send Feedback

The type of script

**Namespace:** Microsoft.Activities.Extensions.DurableInstancing  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public enum SqlWorkflowInstanceStoreScript</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Enumeration SqlWorkflowInstanceStoreScript</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public enum class SqlWorkflowInstanceStoreScript</code></td>
</tr>
</tbody>
</table>
### Members

<table>
<thead>
<tr>
<th>Member name</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Logic</td>
<td>0</td>
<td>The logic script</td>
</tr>
<tr>
<td>Schema</td>
<td>1</td>
<td>The schema script</td>
</tr>
</tbody>
</table>
See Also

Microsoft.Activities.Extensions.DurableInstancing Namespace
Microsoft.Activities.Extensions

Microsoft.Activities.Extensions.ServiceModel Namespace

Send Feedback

Provides extensions to support WorkflowServices
## Classes

<table>
<thead>
<tr>
<th>Class</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ConfigurationElementCollection(T)</td>
<td>Generic class for creating configuration elements</td>
</tr>
<tr>
<td>SilverlightFaultBehavior</td>
<td>The silverlight fault behavior.</td>
</tr>
<tr>
<td>SilverlightFaultElement</td>
<td>The silverlight fault element.</td>
</tr>
<tr>
<td>WorkflowExtensionConfigElement</td>
<td>Configuration element to allow WorkflowExtensions to be added</td>
</tr>
<tr>
<td>WorkflowExtensionsBehavior</td>
<td>A Service Behavior which will add Workflow extensions</td>
</tr>
<tr>
<td>WorkflowExtensionsElement</td>
<td>Configuration element for Workflow Extensions</td>
</tr>
</tbody>
</table>
## Interfaces

<table>
<thead>
<tr>
<th>Interface</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IConfigurationElement</td>
<td>Interface to provide key semantics for the configuration element</td>
</tr>
</tbody>
</table>
Generic class for creating configuration elements

**Namespace:** [Microsoft.Activities.Extensions.ServiceModel](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>C#</td>
<td><code>public class ConfigurationElementCollection&lt;T&gt; : CollectionBase</code> where <code>T : new()</code>, <code>ConfigurationElement</code>, <code>IConfigurationElement</code></td>
</tr>
<tr>
<td>Visual Basic</td>
<td><code>Public Class ConfigurationElementCollection(Of T As ConfigurationElement) Inherits ConfigurationElementCollection</code></td>
</tr>
<tr>
<td>Visual C++</td>
<td><code>generic&lt; typename T &gt;</code> where <code>T : gcnew()</code>, <code>ConfigurationElement</code>, <code>IConfigurationElement</code> public ref class <code>ConfigurationElementCollection</code> : <code>public</code></td>
</tr>
</tbody>
</table>
- **Type Parameters**

  $T$

  The type of the configuration element
Inheritance Hierarchy

- System.Object
- System.Configuration.ConfigurationElement
- System.Configuration.ConfigurationElementCollection
See Also

ConfigurationElementCollection(T) Members
Microsoft.Activities.Extensions.ServiceModel Namespace
The `ConfigurationElementCollection<T>` type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>ConfigurationElementCollection&lt;T&gt;</code></td>
<td>Initializes a new instance of the <code>ConfigurationElementCollection&lt;T&gt;</code> class</td>
</tr>
</tbody>
</table>
### Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Add</strong></td>
<td>Adds an element</td>
</tr>
<tr>
<td><strong>BaseAdd(ConfigurationElement)</strong></td>
<td>Adds a configuration element to the collection</td>
</tr>
<tr>
<td></td>
<td>(Overrides ConfigurationElementCollection.BaseAdd)</td>
</tr>
<tr>
<td><strong>BaseAdd(ConfigurationElement, Boolean)</strong></td>
<td>Adds a configuration element to the collection</td>
</tr>
<tr>
<td></td>
<td>(Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>BaseAdd(Int32, ConfigurationElement)</strong></td>
<td>Adds a configuration element to the collection</td>
</tr>
<tr>
<td></td>
<td>(Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>BaseClear</strong></td>
<td>Removes all configuration element objects</td>
</tr>
<tr>
<td></td>
<td>(Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>BaseGet(Object)</strong></td>
<td>Returns the configuration element with the specified key</td>
</tr>
<tr>
<td></td>
<td>(Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>BaseGet(Int32)</strong></td>
<td>Gets the configuration element at the specified index</td>
</tr>
<tr>
<td></td>
<td>(Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>BaseGetAllKeys</strong></td>
<td>Returns an array of the keys for all configuration elements contained in the configuration collection</td>
</tr>
<tr>
<td></td>
<td>(Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>BaseGetKey</strong></td>
<td>Gets the key for the specified configuration element</td>
</tr>
<tr>
<td></td>
<td>(Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>BaseIndexOf</strong></td>
<td>The index of the specified configuration element</td>
</tr>
<tr>
<td></td>
<td>(Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>BaseIsRemoved</strong></td>
<td>Gets a value indicating whether the specified key has been removed from the configuration collection</td>
</tr>
<tr>
<td></td>
<td>(Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td><strong>BaseRemove</strong></td>
<td>Removes a configuration element from the collection</td>
</tr>
<tr>
<td></td>
<td>(Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>BaseRemoveAt</strong></td>
<td>Removes the configuration element at the specified index</td>
</tr>
<tr>
<td></td>
<td>(Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td><strong>Clear</strong></td>
<td>Clears all the elements</td>
</tr>
<tr>
<td><strong>CopyTo</strong></td>
<td>Copies the contents of the configuration element collection</td>
</tr>
<tr>
<td></td>
<td>(Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>CreateNewElement()</td>
<td>When overridden in a derived class, (Overrides ConfigurationElementCollection.CreateNewElement) creates a new ConfigurationElement. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>CreateNewElement(String)</td>
<td>Creates a new ConfigurationElement. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>DeserializeElement</td>
<td>Reads XML from the configuration file. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>Equals</td>
<td>Compares the ConfigurationElement. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed. (Inherited from Object.)</td>
</tr>
<tr>
<td>GetElementKey</td>
<td>Gets the element key for a specified configuration element when overridden in a derived class. (Overrides ConfigurationElementCollection.GetElementKey)</td>
</tr>
<tr>
<td>GetEnumerator</td>
<td>Gets an IEnumerator which is used to iterate through the ConfigurationElementCollection. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>GetHashCode</td>
<td>Gets a unique value representing the instance. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>GetTransformedAssemblyString</td>
<td>Returns the transformed version of the specified assembly name. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>GetTransformedTypeString</td>
<td>Returns the transformed version of the specified type name. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>GetType</td>
<td>Gets the Type of the current instance. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>IndexOf</td>
<td>Returns the index of an element.</td>
</tr>
<tr>
<td>Init</td>
<td>Sets the ConfigurationElement object. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>InitializeDefault</td>
<td>Used to initialize a default set of values for the object. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>IsElementName</td>
<td>Indicates whether the specified ConfigurationElementCollection. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>IsElementRemovable</td>
<td>Gets a value indicating whether the specified element can be removed from the ConfigurationElementCollection.</td>
</tr>
<tr>
<td>IsModified</td>
<td>Indicates whether this ConfigurationElement has been modified since it was last saved or loaded when overridden in a derived class.</td>
</tr>
<tr>
<td>IsReadOnly</td>
<td>Gets a value indicating whether the object is read only.</td>
</tr>
<tr>
<td>ListErrors</td>
<td>Adds the invalid-property errors in this ConfigurationElement and in all subelements, to the passed list.</td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td>Creates a shallow copy of the current object. (Inherited from Object.)</td>
</tr>
<tr>
<td>OnDeserializeUnrecognizedAttribute</td>
<td>Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>OnDeserializeUnrecognizedElement</td>
<td>Causes the configuration system to throw an exception. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>OnRequiredPropertyNotFound</td>
<td>Throws an exception when a required property is not found. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>PostDeserialize</td>
<td>Called after deserialization. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>PreSerialize</td>
<td>Called before serialization. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>Remove(String)</td>
<td>Removes an element</td>
</tr>
<tr>
<td>Remove(T)</td>
<td>Removes an element</td>
</tr>
<tr>
<td>RemoveAt</td>
<td>Removes an element at the index</td>
</tr>
<tr>
<td>Reset</td>
<td>Resets the ConfigurationElementCollection overridden in a derived class. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>ResetModified</td>
<td>Resets the value of the IsModified() overridden class. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>SerializeElement</td>
<td>Writes the configuration data to an XML element in the configuration file.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>SerializeToXmlElement</td>
<td>Writes the outer tags of this configuration element to the configuration file when overridden in a derived class. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>SetPropertyValue</td>
<td>Sets a property to the specified value. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>SetReadOnly</td>
<td>Sets the IsReadOnly() property for the object and for all sub-elements. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a String that represents the current object. (Inherited from Object.)</td>
</tr>
<tr>
<td>Unmerge</td>
<td>Reverses the effect of merging configuration information from different levels of the configuration hierarchy. (Inherited from ConfigurationElementCollection)</td>
</tr>
</tbody>
</table>
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AddElementName</strong></td>
<td>Gets or sets the name of the <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelement">ConfigurationElement</a> to associate with the add operation in the <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelementcollection">ConfigurationElementCollection</a> when overridden in a derived class. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelementcollection">ConfigurationElementCollection</a>)</td>
</tr>
<tr>
<td><strong>ClearElementName</strong></td>
<td>Gets or sets the name for the <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelement">ConfigurationElement</a> to associate with the clear operation in the <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelementcollection">ConfigurationElementCollection</a> when overridden in a derived class. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelementcollection">ConfigurationElementCollection</a>)</td>
</tr>
<tr>
<td><strong>CollectionType</strong></td>
<td>Gets the type of the <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelementcollection">ConfigurationElementCollection</a>. (Overrides <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelementcollection">ConfigurationElementCollection</a>.)</td>
</tr>
<tr>
<td><strong>Count</strong></td>
<td>Gets the number of elements in the collection. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelementcollection">ConfigurationElementCollection</a>)</td>
</tr>
<tr>
<td><strong>CurrentConfiguration</strong></td>
<td>Gets a reference to the top-level <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configuration">Configuration</a> instance that represents the configuration hierarchy that the current <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelement">ConfigurationElement</a> instance belongs to. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelement">ConfigurationElement</a>.)</td>
</tr>
<tr>
<td><strong>ElementInformation</strong></td>
<td>Gets an <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.elementinformation">ElementInformation</a> object that contains the non-customizable information and functionality of the <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelement">ConfigurationElement</a> object. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelement">ConfigurationElement</a>.)</td>
</tr>
<tr>
<td><strong>ElementName</strong></td>
<td>Gets the name used to identify this collection of elements in the configuration file when overridden in a derived class. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelementcollection">ConfigurationElementCollection</a>)</td>
</tr>
<tr>
<td><strong>ElementProperty</strong></td>
<td>Gets the <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelementproperty">ConfigurationElementProperty</a> object that represents the <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelement">ConfigurationElement</a> object itself. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelement">ConfigurationElement</a>.)</td>
</tr>
<tr>
<td>Property</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>EmitClear</td>
<td>Gets or sets a value that specifies whether the collection has been cleared. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>EvaluationContext</td>
<td>Gets the ContextInformation object for the ConfigurationElement object. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>HasContext</td>
<td>(Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>IsSynchronized</td>
<td>Gets a value indicating whether access to the collection is synchronized (thread safe). (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>Item(ConfigurationProperty)</td>
<td>Gets or sets a property or attribute of this configuration element. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>Item(Int32)</td>
<td></td>
</tr>
<tr>
<td>Item(String)</td>
<td>Indexer for accessing an element</td>
</tr>
<tr>
<td>LockAllAttributesExcept</td>
<td>Gets the collection of locked attributes. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>LockAllElementsExcept</td>
<td>Gets the collection of locked elements. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>LockAttributes</td>
<td>Gets the collection of locked attributes (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>LockElements</td>
<td>Gets the collection of locked elements. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>LockItem</td>
<td>Gets or sets a value indicating whether the element is locked. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>Properties</td>
<td>Gets the collection of properties. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>RemoveElementName</td>
<td>Gets or sets the name of the ConfigurationElement to associate with the remove operation in the ConfigurationElementCollection when overridden in a derived class. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>SyncRoot</td>
<td>Gets an object used to synchronize access to ConfigurationElementCollection.</td>
</tr>
<tr>
<td><strong>ThrowOnDuplicate</strong></td>
<td>(Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelementcollection?view=netframework-4.8">ConfigurationElementCollection</a> (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelementcollection?view=netframework-4.8">ConfigurationElementCollection</a>)</td>
</tr>
<tr>
<td>----------------------</td>
<td>--------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Gets a value indicating whether an attempt to add a duplicate <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelement?view=netframework-4.8">ConfigurationElement</a> to the <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelementcollection?view=netframework-4.8">ConfigurationElementCollection</a> will cause an exception to be thrown.</td>
</tr>
<tr>
<td></td>
<td>(Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/api/system.configuration.configurationelementcollection?view=netframework-4.8">ConfigurationElementCollection</a>)</td>
</tr>
</tbody>
</table>
See Also

ConfigurationElementCollection(T) Class
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

ConfigurationElementCollection\((T)\) Constructor

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
</tr>
<tr>
<td><code>public ConfigurationElementCollection()</code></td>
<td></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td></td>
</tr>
<tr>
<td><code>Public Sub New</code></td>
<td></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td></td>
</tr>
<tr>
<td><code>public: ConfigurationElementCollection()</code></td>
<td></td>
</tr>
</tbody>
</table>
See Also

- `ConfigurationElementCollection<T> Class`
- `ConfigurationElementCollection<T> Members`
- `Microsoft.Activities.Extensions.ServiceModel Namespace`
The `ConfigurationElementCollection<T>` type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add</td>
<td>Adds an element</td>
</tr>
<tr>
<td><strong>BaseAdd(ConfigurationElement)</strong></td>
<td>Adds a configuration element to the configuration element collection. (Overrides ConfigurationElementCollection.BaseAdd)</td>
</tr>
<tr>
<td><strong>BaseAdd(ConfigurationElement, Boolean)</strong></td>
<td>Adds a configuration element to the configuration element collection. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td><strong>BaseAdd(Int32, ConfigurationElement)</strong></td>
<td>Adds a configuration element to the configuration element collection. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>BaseClear</td>
<td>Removes all configuration element objects from the configuration element collection. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td><strong>BaseGet(Object)</strong></td>
<td>Returns the configuration element with the specified key. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td><strong>BaseGet(Int32)</strong></td>
<td>Gets the configuration element at the specified index. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td><strong>BaseGetAllKeys</strong></td>
<td>Returns an array of the keys for all configuration elements contained in the ConfigurationElementCollection. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td><strong>BaseGetKey</strong></td>
<td>Gets the key for the specified ConfigurationElement. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td><strong>BaseIndexOf</strong></td>
<td>The index of the specified ConfigurationElement. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td><strong>BaseIsRemoved</strong></td>
<td>Gets a value indicating whether the specified key has been removed from the ConfigurationElementCollection. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td><strong>BaseRemove</strong></td>
<td>Removes a ConfigurationElement from the configuration element collection. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td><strong>BaseRemoveAt</strong></td>
<td>Removes the ConfigurationElement at the specified index. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>Clear</td>
<td>Clears all the elements</td>
</tr>
<tr>
<td><strong>CopyTo</strong></td>
<td>Copies the contents of the ConfigurationElementCollection. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| **CreateNewElement()**                      | When overridden in a derived class, creates a new object. (Overrides `ConfigurationElementCollection.CreateNewElement()`)
| **CreateNewElement(String)**                | Creates a new `ConfigurationElement`. (Inherited from `ConfigurationElementCollection`)
| **DeserializedElement**                     | Reads XML from the configuration file. (Inherited from `ConfigurationElementCollection`)
| **Equals**                                  | Compares the `ConfigurationElement`. (Inherited from `ConfigurationElementCollection`)
| **Finalize**                                | Allows an `Object` to attempt to free resources and perform other cleanup operations before the `Object` is reclaimed. (Inherited from `Object`.)
| **GetElementKey**                           | Gets the element key for a specified configuration element when overridden in a derived class. (Overrides `ConfigurationElementCollection.GetElementKey(ConfigurationElement)`)
| **GetEnumerator**                          | Gets an `IEnumerator` which is used to iterate through the `ConfigurationElementCollection`. (Inherited from `ConfigurationElementCollection`)
| **GetHashCode**                             | Gets a unique value representing the instance. (Inherited from `ConfigurationElementCollection`)
| **GetTransformedAssemblyString**            | Returns the transformed version of the specified assembly name. (Inherited from `ConfigurationElement`)
| **GetTransformedTypeString**                | Returns the transformed version of the specified type name. (Inherited from `ConfigurationElement`)
| **GetType**                                 | Gets the `Type` of the current instance. (Inherited from `Object`.)
| **IndexOf**                                 | Returns the index of an element.
| **Init**                                    | Sets the `ConfigurationElement` object. (Inherited from `ConfigurationElementCollection`)
| **InitializeDefault**                       | Used to initialize a default set of values. (Inherited from `ConfigurationElement`)
| **IsElementName**                           | Indicates whether the specified class is a `ConfigurationElement`. (Inherited from `ConfigurationElementCollection`)

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IsElementRemovable</td>
<td>Gets a value indicating whether the specified element can be removed from the ConfigurationElementCollection. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>IsModified</td>
<td>Indicates whether this ConfigurationElementCollection has been modified since it was last saved or loaded when overridden in a derived class. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>IsReadOnly</td>
<td>Gets a value indicating whether the object is read only. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>ListErrors</td>
<td>Adds the invalid-property errors in this ConfigurationElementCollection to the passed list, in all subelements. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td>Creates a shallow copy of the current ConfigurationElement. (Inherited from Object)</td>
</tr>
<tr>
<td>OnDeserializeUnrecognizedAttribute</td>
<td>Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>OnDeserializeUnrecognizedElement</td>
<td>Causes the configuration system to throw an exception. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>OnRequiredPropertyNotFound</td>
<td>Throws an exception when a required property is not found. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>PostDeserialize</td>
<td>Called after deserialization. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>PreSerialize</td>
<td>Called before serialization. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>Remove(String)</td>
<td>Removes an element</td>
</tr>
<tr>
<td>Remove(T)</td>
<td>Removes an element</td>
</tr>
<tr>
<td>RemoveAt</td>
<td>Removes an element at the index</td>
</tr>
<tr>
<td>Reset</td>
<td>Resets the ConfigurationElementCollection overridden in a derived class.</td>
</tr>
<tr>
<td>ResetModified</td>
<td>Resets the value of the IsModified() derived class.</td>
</tr>
<tr>
<td>SerializeElement</td>
<td>Writes the configuration data to an XML element in the configuration file.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>SerializeToXmlElement</td>
<td>Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>SetPropertyValue</td>
<td>Sets a property to the specified value. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>SetReadOnly</td>
<td>Sets the IsReadOnly() property for the object and for all sub-elements. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a String that represents the object. (Inherited from Object.)</td>
</tr>
<tr>
<td>Unmerge</td>
<td>Reverses the effect of merging configuration information from different levels of the configuration hierarchy. (Inherited from ConfigurationElementCollection)</td>
</tr>
</tbody>
</table>
See Also

ConfigurationElementCollection<T> Class
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

ConfigurationElementCollection(T).Add Method

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
</tr>
</tbody>
</table>
| public void Add(    
| T element    |
| ) |
| **Visual Basic** | |
| Public Sub Add ( _    |
| element As T _    |
| ) |
| **Visual C++** | |
| public:    |
| void Add(    |
| T element    |
| ) |

### Parameters

*element*  
Type: T  
The element to add
See Also

- `ConfigurationElementCollection<T> Class`
- `ConfigurationElementCollection<T> Members`
- `Microsoft.Activities.Extensions.ServiceModel Namespace`
Microsoft.Activities.Extensions

ConfigurationElementCollection\(T\).BaseAdd Method

ConfigurationElementCollection\(T\) Class  See Also  Send Feedback
## Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>BaseAdd(ConfigurationElement)</code></td>
<td>Adds a configuration element to the <code>ConfigurationElementCollection</code>. (Overrides <code>ConfigurationElementCollection.BaseAdd(ConfigurationElement)</code></td>
</tr>
<tr>
<td><code>BaseAdd(ConfigurationElement, Boolean)</code></td>
<td>Adds a configuration element to the configuration element collection. (Inherited from <code>ConfigurationElementCollection</code>)</td>
</tr>
<tr>
<td><code>BaseAdd(Int32, ConfigurationElement)</code></td>
<td>Adds a configuration element to the configuration element collection. (Inherited from <code>ConfigurationElementCollection</code>)</td>
</tr>
</tbody>
</table>
See Also

- ConfigurationElementCollection(T) Class
- ConfigurationElementCollection(T) Members
- Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

ConfigurationElementCollection(T).BaseAdd Method (ConfigurationElement)

ConfigurationElementCollection(T) Class  See Also  Send Feedback

Adds a configuration element to the ConfigurationElementCollection.

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
protected override void BaseAdd(
    ConfigurationElement element
)
```

### Visual Basic

```vbnet
Protected Overrides Sub BaseAdd (_
    element As ConfigurationElement _
)
```

### Visual C++

```cpp
protected:
virtual void BaseAdd(
    ConfigurationElement^ element
) override
```

## Parameters

*element*

Type: `System.Configuration.ConfigurationElement`  
The `ConfigurationElement` to add.
See Also

ConfigurationElementCollection<T> Class
ConfigurationElementCollection<T> Members
BaseAdd Overload
Microsoft.Activities.Extensions.ServiceModel Namespace
Clears all the elements

**Namespace:** [Microsoft.Activities.Extensions.ServiceModel](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public void Clear()</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Sub Clear</code></td>
</tr>
</tbody>
</table>
| **Visual C++** | `public:
void Clear()` |
See Also

ConfigurationElementCollection(T) Class
ConfigurationElementCollection(T) Members
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

ConfigurationElementCollection\((T)\).CreateNewElement Method

ConfigurationElementCollection\((T)\) Class  See Also  Send Feedback
## Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CreateNewElement()</td>
<td>When overridden in a derived class, creates a new <code>ConfigurationElement</code>. (Overrides <code>ConfigurationElementCollection.CreateNewElement()</code>)</td>
</tr>
<tr>
<td>CreateNewElement(String)</td>
<td>Creates a new <code>ConfigurationElement</code> when overridden in a derived class. (Inherited from <code>ConfigurationElementCollection.CreateNewElement(String)</code></td>
</tr>
</tbody>
</table>
See Also

ConfigurationElementCollection<T> Class
ConfigurationElementCollection<T> Members
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

ConfigurationElementCollection\(T\).CreateNewElement Method

ConfigurationElementCollection\(T\) Class See Also Send Feedback

When overridden in a derived class, creates a new ConfigurationElement.

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>protected override <code>ConfigurationElement</code> <code>CreateNewElement</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Protected Overrides Function CreateNewElement As ConfigurationElement</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>protected: virtual ConfigurationElement^ CreateNewElement()</code></td>
</tr>
</tbody>
</table>

**ReturnValue**
A new `ConfigurationElement`. 
See Also

ConfigurationElementCollection<T> Class
ConfigurationElementCollection<T> Members
CreateNewElement Overload
Microsoft.Activities.Extensions.ServiceModel Namespace
Gets the element key for a specified configuration element when overridden in a derived class.

**Namespace:** Microsoft.Activities.Extensions.ServiceModel

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
protected override Object GetElementKey(
    ConfigurationElement element
)
```

### Visual Basic

```vbnet
Protected Overrides Function GetElementKey ( _
    element As ConfigurationElement _) As Object
```

### Visual C++

```cpp
protected:
virtual Object^ GetElementKey(
    ConfigurationElement^ element
) override
```

## Parameters

**element**

Type: `System.Configuration.ConfigurationElement`  
The `ConfigurationElement` to return the key for.

## Return Value

An `Object` that acts as the key for the specified `ConfigurationElement`.  

See Also

ConfigurationElementCollection(T) Class
ConfigurationElementCollection(T) Members
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

ConfigurationElementCollection\(T\).IndexOf Method

See Also Send Feedback

Returns the index of an element

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th><strong>C#</strong></th>
</tr>
</thead>
</table>
| public int IndexOf(
  T element
) |

<table>
<thead>
<tr>
<th><strong>Visual Basic</strong></th>
</tr>
</thead>
</table>
| Public Function IndexOf ( _
  element As T _
) As Integer |

<table>
<thead>
<tr>
<th><strong>Visual C++</strong></th>
</tr>
</thead>
</table>
| public:
  int IndexOf(
  T element
) |

### Parameters

*element*

Type: T

The element

### Return Value

The index
See Also

ConfigurationElementCollection(T) Class
ConfigurationElementCollection(T) Members
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

**ConfigurationElementCollection**(T).Remove Method

See Also Send Feedback
## Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>Remove(String)</code></td>
<td>Removes an element</td>
</tr>
<tr>
<td><code>Remove(T)</code></td>
<td>Removes an element</td>
</tr>
</tbody>
</table>
See Also

ConfigurationElementCollection<T> Class
ConfigurationElementCollection<T> Members
Microsoft.Activities.Extensions.ServiceModel Namespace
Removes an element

**Namespace:** [Microsoft.Activities.Extensions.ServiceModel](https://www.microsoft.com)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public void Remove(
    string name
)
```

### Visual Basic

```vbnet
Public Sub Remove (_
    name As String _
)
```

### Visual C++

```cpp
public:
void Remove(
    String^ name
)
```

## Parameters

**name**

Type: [System.String](https://docs.microsoft.com/en-us/dotnet/api/system.string)

The element to remove
See Also

ConfigurationElementCollection<T> Class
ConfigurationElementCollection<T> Members
Remove Overload
Microsoft.Activities.Extensions.ServiceModel Namespace
Removes an element

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public void Remove(
    T element
)
```

**Visual Basic**

```vbnet
Public Sub Remove (_
    element As T _
)
```

**Visual C++**

```cpp
public:
    void Remove(
        T element
    )
```

### Parameters

- **element**
  
  Type: `T`
  
  The element to remove
See Also

ConfigurationElementCollection<T> Class
ConfigurationElementCollection<T> Members
Remove Overload
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

ConfigurationElementCollection\(T\).RemoveAt Method

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Removes an element at the index
## Syntax

### C#

```csharp
public void RemoveAt(
    int index
)
```

### Visual Basic

```vbnet
Public Sub RemoveAt (_
    index As Integer _
)
```

### Visual C++

```cpp
public:
void RemoveAt(
    int index
)
```

## Parameters

- `index`
  - Type: `System.Int32`
  - The index to remove at
See Also

(ConfigurationElementCollection(T) Class
(ConfigurationElementCollection(T) Members
Microsoft.Activities.Extensions.ServiceModel Namespace
The `ConfigurationElementCollection<T>` type exposes the following members.
# Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AddElementName</strong></td>
<td>Gets or sets the name of the <a href="https://docs.microsoft.com/en-us/dotnet/framework/configure-apps/role-templates/configurationelement">ConfigurationElement</a> to associate with the add operation in the <a href="https://docs.microsoft.com/en-us/dotnet/framework/configure-apps/role-templates/configurationelementcollection">ConfigurationElementCollection</a> when overridden in a derived class. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/framework/configure-apps/role-templates/configurationelementcollection">ConfigurationElementCollection</a>)</td>
</tr>
<tr>
<td><strong>ClearElementName</strong></td>
<td>Gets or sets the name for the <a href="https://docs.microsoft.com/en-us/dotnet/framework/configure-apps/role-templates/configurationelement">ConfigurationElement</a> to associate with the clear operation in the <a href="https://docs.microsoft.com/en-us/dotnet/framework/configure-apps/role-templates/configurationelementcollection">ConfigurationElementCollection</a> when overridden in a derived class. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/framework/configure-apps/role-templates/configurationelementcollection">ConfigurationElementCollection</a>)</td>
</tr>
<tr>
<td><strong>CollectionType</strong></td>
<td>Gets the type of the <a href="https://docs.microsoft.com/en-us/dotnet/framework/configure-apps/role-templates/configurationelementcollection">ConfigurationElementCollection</a>. (Overrides <a href="https://docs.microsoft.com/en-us/dotnet/framework/configure-apps/role-templates/configurationelementcollection">ConfigurationElementCollection</a>.)</td>
</tr>
<tr>
<td><strong>Count</strong></td>
<td>Gets the number of elements in the collection. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/framework/configure-apps/role-templates/configurationelementcollection">ConfigurationElementCollection</a>.)</td>
</tr>
<tr>
<td><strong>CurrentConfiguration</strong></td>
<td>Gets a reference to the top-level <a href="https://docs.microsoft.com/en-us/dotnet/framework/configure-apps/role-templates/configuration">Configuration</a> instance that represents the configuration hierarchy that the current <a href="https://docs.microsoft.com/en-us/dotnet/framework/configure-apps/role-templates/configurationelement">ConfigurationElement</a> instance belongs to. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/framework/configure-apps/role-templates/configurationelement">ConfigurationElement</a>.)</td>
</tr>
<tr>
<td><strong>ElementName</strong></td>
<td>Gets the name used to identify this collection of elements in the configuration file when overridden in a derived class. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/framework/configure-apps/role-templates/configurationelementcollection">ConfigurationElementCollection</a>)</td>
</tr>
<tr>
<td><strong>ElementProperty</strong></td>
<td>Gets the <a href="https://docs.microsoft.com/en-us/dotnet/framework/configure-apps/role-templates/configurationelementproperty">ConfigurationElementProperty</a> object that represents the <a href="https://docs.microsoft.com/en-us/dotnet/framework/configure-apps/role-templates/configurationelement">ConfigurationElement</a> object itself. (Inherited from <a href="https://docs.microsoft.com/en-us/dotnet/framework/configure-apps/role-templates/configurationelement">ConfigurationElement</a>.)</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>-------------</td>
</tr>
<tr>
<td>EmitClear</td>
<td>Gets or sets a value that specifies whether the collection has been cleared. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>EvaluationContext</td>
<td>Gets the ContextInformation object for the ConfigurationElement object. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>HasContext</td>
<td>(Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>IsSynchronized</td>
<td>Gets a value indicating whether access to the collection is synchronized (thread safe). (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>Item(ConfigurationProperty)</td>
<td>Gets or sets a property or attribute of this configuration element. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>Item(Int32)</td>
<td></td>
</tr>
<tr>
<td>Item(String)</td>
<td>Indexer for accessing an element</td>
</tr>
<tr>
<td>LockAllAttributesExcept</td>
<td>Gets the collection of locked attributes. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>LockAllElementsExcept</td>
<td>Gets the collection of locked elements. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>LockAttributes</td>
<td>Gets the collection of locked attributes (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>LockElements</td>
<td>Gets the collection of locked elements. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>LockItem</td>
<td>Gets or sets a value indicating whether the element is locked. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>Properties</td>
<td>Gets the collection of properties. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>RemoveElementName</td>
<td>Gets or sets the name of the ConfigurationElement to associate with the remove operation in the ConfigurationElementCollection when overridden in a derived class. (Inherited from ConfigurationElementCollection)</td>
</tr>
<tr>
<td>SyncRoot</td>
<td>Gets an object used to synchronize access to ConfigurationElementCollection.</td>
</tr>
<tr>
<td><strong>ThrowOnDuplicate</strong></td>
<td>Gets a value indicating whether an attempt to add a duplicate <code>ConfigurationElement</code> to the <code>ConfigurationElementCollection</code> will cause an exception to be thrown. (Inherited from <code>ConfigurationElementCollection</code>)</td>
</tr>
</tbody>
</table>
See Also

ConfigurationElementCollection<T> Class
Microsoft.Activities.Extensions.ServiceModel Namespace
Gets the type of the `ConfigurationElementCollection`.

**Namespace:** [Microsoft.Activities.Extensions.ServiceModel](https://docs.microsoft.com/en-us/dotnet/api/microsoft.activities.extensions.serviceemodel?view=net-5.0)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public override ConfigurationElementCollectionType CollectionType {
    get
    {
        return _collectionType;
    }
}
```

**Visual Basic**

```vbnet
Public Overrides ReadOnly Property CollectionType As ConfigurationElementCollectionType
Get
    Return _collectionType
End Get
```

**Visual C++**

```cpp
public:
virtual property ConfigurationElementCollectionType CollectionType {
    ConfigurationElementCollectionType get () override;
}
```

### Return Value

The `ConfigurationElementCollectionType` of this collection.
See Also

ConfigurationElementCollection(T) Class
ConfigurationElementCollection(T) Members
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

ConfigurationExceptionCollection\(T\).Item Property

ConfigurationExceptionCollection\(T\) Class  See Also  Send Feedback
## Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item(ConfigurationProperty)</td>
<td>Gets or sets a property or attribute of this configuration element. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>Item(Int32)</td>
<td></td>
</tr>
<tr>
<td>Item(String)</td>
<td>Indexer for accessing an element</td>
</tr>
</tbody>
</table>
See Also

ConfigurationElementCollection(T) Class
ConfigurationElementCollection(T) Members
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

ConfigurationElementCollection(T).Item Property (Int32)

ConfigurationElementCollection(T) Class See Also Send Feedback

[Missing <summary> documentation for

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
class MyClass
{
    public T this[int index]
    {
        get;
        set;
    }
}
```

### Visual Basic

```vb
Public Default Property Item (index As Integer) As T
Get
    Get
Set
End Property
```

### Visual C++

```cpp
public:
    property T default[int index]
    {
        T get (int index);
        void set (int index, T value);
    }
```

## Parameters

- **index**
  - Type: `System.Int32`
  - The element to access
See Also

ConfigurationElementCollection(T) Class
ConfigurationElementCollection(T) Members
Item Overload
Microsoft.Activities.Extensions.ServiceModel Namespace
Indexer for accessing an element

**Namespace:** [Microsoft.Activities.Extensions.ServiceModel](https://docs.microsoft.com/en-us/dotnet/api/microsoft.activities.extensions.servicemodel)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public T this[string name] {
    get; }
```

#### Visual Basic

```vbnet
Public ReadOnly Default Property Item ( _
    name As String _
) As T
    Get
```

#### Visual C++

```cpp
public:
property T default[String^ name] {
    T get (String^ name);
}
```

### Parameters

- **name**
  - Type: [System.String](https://docs.microsoft.com/en-us/dotnet/api/system.string)
  - The element to access
See Also

ConfigurationElementCollection(T) Class
ConfigurationElementCollection(T) Members
Item Overload
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

IConfigurationElement Interface

Members  See Also  Send Feedback

Interface to provide key semantics for the configuration element

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
</tr>
</thead>
<tbody>
<tr>
<td>public interface IConfigurationElement</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visual Basic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Interface IConfigurationElement</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td>public interface class IConfigurationElement</td>
</tr>
</tbody>
</table>
See Also

IConfigurationElement Members
Microsoft.Activities.Extensions.ServiceModel Namespace
The `IConfigurationElement` type exposes the following members.
<table>
<thead>
<tr>
<th><strong>Name</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>GetKey</td>
<td>Gets the key for the element</td>
</tr>
</tbody>
</table>
See Also

IConfigurationElement Interface
Microsoft.Activities.Extensions.ServiceModel Namespace
The `IConfigurationElement` type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GetKey</td>
<td>Gets the key for the element</td>
</tr>
</tbody>
</table>
See Also

IConfigurationElement Interface
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

IConfigurationElement.GetKey Method

IConfigurationElement Interface See Also Send Feedback

Gets the key for the element

**Namespace:** Microsoft.Activities.Extensions.ServiceModel

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>C#</td>
<td><code>Object GetKey()</code></td>
</tr>
<tr>
<td>Visual Basic</td>
<td><code>Function GetKey As Object</code></td>
</tr>
<tr>
<td>Visual C++</td>
<td><code>Object^ GetKey()</code></td>
</tr>
</tbody>
</table>

### Return Value

A key
See Also

ICONFIGURATIONELEMENT Interface
ICONFIGURATIONELEMENT Members
Microsoft.Activities.Extensions.ServiceModel Namespace
The silverlight fault behavior.

**Namespace:** [Microsoft.Activities.Extensions.ServiceModel](https://docs.microsoft.com)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

**C#**

```csharp
public class SilverlightFaultBehavior : Attribute, IServiceBehavior
```

**Visual Basic**

```vbnet
Public Class SilverlightFaultBehavior _
    Inherits Attribute _
    Implements IServiceBehavior
```

**Visual C++**

```cpp
public ref class SilverlightFaultBehavior : public Attribute, IServiceBehavior
```
Inheritance Hierarchy

System.Object
System.Attribute
See Also

SilverlightFaultBehavior Members
Microsoft.Activities.Extensions.ServiceModel Namespace
The **SilverlightFaultBehavior** type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SilverlightFaultBehavior</td>
<td>Initializes a new instance of the SilverlightFaultBehavior class</td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AddBindingParameters</td>
<td>The add binding parameters.</td>
</tr>
<tr>
<td>ApplyDispatchBehavior</td>
<td>The apply dispatch behavior.</td>
</tr>
<tr>
<td>Equals</td>
<td>Returns a value that indicates whether this instance is equal to a specified object. (Inherited from Attribute.)</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection. (Inherited from Object.)</td>
</tr>
<tr>
<td>GetHashCode</td>
<td>Returns the hash code for this instance. (Inherited from Attribute.)</td>
</tr>
<tr>
<td>GetType</td>
<td>Gets the Type of the current instance. (Inherited from Object.)</td>
</tr>
<tr>
<td>IsDefaultAttribute</td>
<td>When overridden in a derived class, indicates whether the value of this instance is the default value for the derived class. (Inherited from Attribute.)</td>
</tr>
<tr>
<td>Match</td>
<td>When overridden in a derived class, returns a value that indicates whether this instance equals a specified object. (Inherited from Attribute.)</td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td>Creates a shallow copy of the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a String that represents the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td>Validate</td>
<td>The validate.</td>
</tr>
</tbody>
</table>
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TypeId</strong></td>
<td>When implemented in a derived class, gets a unique identifier for this <a href="#">Attribute</a>. (Inherited from <a href="#">Attribute</a>.)</td>
</tr>
</tbody>
</table>
See Also

SilverlightFaultBehavior Class
Microsoft.Activities.Extensions.ServiceModel Namespace
Initializes a new instance of the **SilverlightFaultBehavior** class

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public SilverlightFaultBehavior()
```

**Visual Basic**

```vbnet
Public Sub New
```

**Visual C++**

```cpp
public:
SilverlightFaultBehavior()
```
See Also

SilverlightFaultBehavior Class
SilverlightFaultBehavior Members
Microsoft.Activities.Extensions.ServiceModel Namespace
The **SilverlightFaultBehavior** type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AddBindingParameters</strong></td>
<td>The add binding parameters.</td>
</tr>
<tr>
<td><strong>ApplyDispatchBehavior</strong></td>
<td>The apply dispatch behavior.</td>
</tr>
<tr>
<td><strong>Equals</strong></td>
<td>Returns a value that indicates whether this instance is equal to a specified object. (Inherited from <strong>Attribute</strong>.)</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows an <strong>Object</strong> to attempt to free resources and perform other cleanup operations before the <strong>Object</strong> is reclaimed by garbage collection. (Inherited from <strong>Object</strong>.)</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Returns the hash code for this instance. (Inherited from <strong>Attribute</strong>.)</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the <strong>Type</strong> of the current instance. (Inherited from <strong>Object</strong>.)</td>
</tr>
<tr>
<td><strong>IsDefaultAttribute</strong></td>
<td>When overridden in a derived class, indicates whether the value of this instance is the default value for the derived class. (Inherited from <strong>Attribute</strong>.)</td>
</tr>
<tr>
<td><strong>Match</strong></td>
<td>When overridden in a derived class, returns a value that indicates whether this instance equals a specified object. (Inherited from <strong>Attribute</strong>.)</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current <strong>Object</strong>. (Inherited from <strong>Object</strong>.)</td>
</tr>
<tr>
<td><strong>ToString</strong></td>
<td>Returns a <strong>String</strong> that represents the current <strong>Object</strong>. (Inherited from <strong>Object</strong>.)</td>
</tr>
<tr>
<td><strong>Validate</strong></td>
<td>The validate.</td>
</tr>
</tbody>
</table>
See Also

SilverlightFaultBehavior Class
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

SilverlightFaultBehavior.AddBindingParameters Method

SilverlightFaultBehavior Class See Also Send Feedback

The add binding parameters.

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public void AddBindingParameters(
    ServiceDescription serviceDescription,
    ServiceHostBase serviceHostBase,
    Collection<ServiceEndpoint> endpoints,
    BindingParameterCollection bindingParameters)
```

### Visual Basic

```vbnet
Public Sub AddBindingParameters ( _
    serviceDescription As ServiceDescription, _
    serviceHostBase As ServiceHostBase, _
    endpoints As Collection(Of ServiceEndpoint), _
    bindingParameters As BindingParameterCollection)
```

### Visual C++

```cpp
public:
    virtual void AddBindingParameters(
        ServiceDescription^ serviceDescription,
        ServiceHostBase^ serviceHostBase,
        Collection<ServiceEndpoint^>^ endpoints,
        BindingParameterCollection^ bindingParameters)
```

sealed

## Parameters

### serviceDescription

Type: `System.ServiceModel.Description.ServiceDescription`

The service description.
`serviceHostBase`
Type: `System.ServiceModel.ServiceHostBase`
The service host base.

`endpoints`
The endpoints.

`bindingParameters`
Type: `System.ServiceModel.Channels.BindingParameterCollection`
The binding parameters.

**Implements**
`IServiceBehavior.AddBindingParameters(ServiceDescription, ServiceHostBase, Collection<ServiceEndpoint>, BindingParameterCollection)`
See Also

SilverlightFaultBehavior Class
SilverlightFaultBehavior Members
Microsoft.Activities.Extensions.ServiceModel Namespace
The apply dispatch behavior.

**Namespace:** [Microsoft.Activities.Extensions.ServiceModel](http://msdn.microsoft.com)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
**Syntax**

### C#

```csharp
public void ApplyDispatchBehavior(
    ServiceDescription serviceDescription,
    ServiceHostBase serviceHostBase
)
```

### Visual Basic

```vbnet
Public Sub ApplyDispatchBehavior (  
    serviceDescription As ServiceDescription,  
    serviceHostBase As ServiceHostBase  
)
```

### Visual C++

```cpp
public:
    virtual void ApplyDispatchBehavior(
        ServiceDescription^ serviceDescription,
        ServiceHostBase^ serviceHostBase
    ) sealed
```

**Parameters**

*serviceDescription*
Type: `System.ServiceModel.Description.ServiceDescription`
The service description.

*serviceHostBase*
Type: `System.ServiceModel.ServiceHostBase`
The service host base.

**Implements**
IServiceBehavior.ApplyDispatchBehavior(ServiceDescription, ServiceHostBase)
See Also

SilverlightFaultBehavior Class
SilverlightFaultBehavior Members
Microsoft.Activities.Extensions.ServiceModel Namespace
The validate.

**Namespace:** [Microsoft.Activities.Extensions.ServiceModel](#)  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public void Validate(
    ServiceDescription serviceDescription,
    ServiceHostBase serviceHostBase
)
```

**Visual Basic**

```vbnet
Public Sub Validate (_
    serviceDescription As ServiceDescription, _
    serviceHostBase As ServiceHostBase _
)
```

**Visual C++**

```cpp
public:
    virtual void Validate(
        ServiceDescription^ serviceDescription,
        ServiceHostBase^ serviceHostBase
    )
```  

**Parameters**

**serviceDescription**

Type: `System.ServiceModel.Description.ServiceDescription`

The service description.

**serviceHostBase**

Type: `System.ServiceModel.ServiceHostBase`

The service host base.

**Implements**
IServiceBehavior.Validate(ServiceDescription, ServiceHostBase)
See Also

SilverlightFaultBehavior Class
SilverlightFaultBehavior Members
Microsoft.Activities.Extensions.ServiceModel Namespace
The `SilverlightFaultBehavior` type exposes the following members.
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TypeId</td>
<td>When implemented in a derived class, gets a unique identifier for this <a href="#">Attribute</a>. (Inherited from <a href="#">Attribute</a>.)</td>
</tr>
</tbody>
</table>
See Also

SilverlightFaultBehavior Class
Microsoft.Activities.Extensions.ServiceModel Namespace
SilverlightFaultElement Class

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
</tr>
</thead>
<tbody>
<tr>
<td>public class SilverlightFaultElement : BehaviorExtensionElement</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visual Basic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Class SilverlightFaultElement _ Inherits BehaviorExtensionElement</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td>public ref class SilverlightFaultElement : public BehaviorExtensionElement</td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
System.Configuration.ConfigurationElement
ServiceModelConfigurationElement
See Also

SilverlightFaultElement Members
Microsoft.Activities.Extensions.ServiceModel Namespace
The **SilverlightFaultElement** type exposes the following members.
### Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="link" alt="SilverlightFaultElement" /></td>
<td>Initializes a new instance of the <a href="link">SilverlightFaultElement</a> class</td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CopyFrom</strong></td>
<td>Copies the content of the specified configuration element to this configuration element. (Inherited from <code>ServiceModelExtensionElement</code>.)</td>
</tr>
<tr>
<td><strong>CreateBehavior</strong></td>
<td>The create behavior. (Overridden from <code>BehaviorExtensionElement.CreateBehavior</code>.)</td>
</tr>
<tr>
<td><strong>DeserializationElement</strong></td>
<td>Reads XML from the configuration file. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>Equals</strong></td>
<td>Compares the current <code>ConfigurationElement</code> instance to the specified object. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows an <code>Object</code> to attempt to free resources and perform other cleanup operations before the <code>Object</code> is reclaimed by garbage collection. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Gets a unique value representing the <code>ConfigurationElement</code> instance. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>GetTransformedAssemblyString</strong></td>
<td>Returns the transformed version of the specified assembly name. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>GetTransformedTypeString</strong></td>
<td>Returns the transformed version of the specified type name. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the <code>Type</code> of the current instance. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><strong>Init</strong></td>
<td>Sets the <code>ConfigurationElement</code> object to its initial state. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>InitializeDefault</strong></td>
<td>Used to initialize a default set of <code>ConfigurationElement</code> objects.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>IsModified</td>
<td>Gets a value that specifies whether the configuration element has been modified.</td>
</tr>
<tr>
<td>IsReadOnly</td>
<td>Gets a value indicating whether the <code>ConfigurationElement</code> object is read-only.</td>
</tr>
<tr>
<td>ListErrors</td>
<td>Adds the invalid-property errors in this <code>ConfigurationElement</code> object, and in subelements, to the passed list.</td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td>Creates a shallow copy of the current object.</td>
</tr>
<tr>
<td>OnDeserializeUnrecognizedAttribute</td>
<td>Gets a value indicating whether an unknown attribute is encountered during deserialization.</td>
</tr>
<tr>
<td>OnDeserializeUnrecognizedElement</td>
<td>Gets a value indicating whether an unknown element is encountered during deserialization.</td>
</tr>
<tr>
<td>OnRequiredPropertyNotFound</td>
<td>Throws an exception when a required property is not found.</td>
</tr>
<tr>
<td>PostDeserialize</td>
<td>Called after deserialization.</td>
</tr>
<tr>
<td>PreSerialize</td>
<td>Called before serialization.</td>
</tr>
<tr>
<td>Reset</td>
<td>Resets the internal state of this configuration element object, including the locks and the properties collections.</td>
</tr>
<tr>
<td>ResetModified</td>
<td>Resets the value of the <code>IsModified</code> property to <code>false</code> when implemented in a derived class.</td>
</tr>
<tr>
<td>SerializeElement</td>
<td>Writes the contents of this configuration element object.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>-------------</td>
</tr>
<tr>
<td>SerializeToXmlElement</td>
<td>Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from ServiceModelExtensionElement)</td>
</tr>
<tr>
<td>SetPropertyValue</td>
<td>Sets a property to the specified value. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>SetPropertyValueIfNotDefaultValue`1</td>
<td>(Inherited from ServiceModelConfigurationElement)</td>
</tr>
<tr>
<td>SetReadOnly</td>
<td>Sets the IsReadOnly() property for the ConfigurationElement object and all subelements. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a String that represents the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td>Unmerge</td>
<td>Modifies the ConfigurationElement remove all values that should not be saved. (Inherited from ConfigurationElement)</td>
</tr>
</tbody>
</table>
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BehaviorType</strong></td>
<td>Gets BehaviorType. (Overrides <code>BehaviorExtensionElement.BehaviorType</code>.)</td>
</tr>
<tr>
<td><strong>ConfigurationElementName</strong></td>
<td>Gets the name of this configuration element. (Inherited from <code>ServiceModelExtensionElement</code>.)</td>
</tr>
<tr>
<td><strong>CurrentConfiguration</strong></td>
<td>Gets a reference to the top-level <code>Configuration</code> instance that represents the configuration hierarchy that the current <code>ConfigurationElement</code> instance belongs to. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>ElementInformation</strong></td>
<td>Gets an <code>ElementInformation</code> object that contains the non-customizable information and functionality of the <code>ConfigurationElement</code> object. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>ElementProperty</strong></td>
<td>Gets the <code>ConfigurationElementProperty</code> object that represents the <code>ConfigurationElement</code> object itself. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>EvaluationContext</strong></td>
<td>Gets the <code>ContextInformation</code> object for the <code>ConfigurationElement</code> object. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>HasContext</strong></td>
<td>(Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>Item(ConfigurationProperty)</strong></td>
<td>Gets or sets a property or attribute of this configuration element. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>Item(String)</strong></td>
<td>Gets or sets a property, attribute, or child element of this configuration element. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>LockAllAttributesExcept</strong></td>
<td>Gets the collection of locked attributes. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>LockAllElementsExcept</td>
<td>Gets the collection of locked elements. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>LockAttributes</td>
<td>Gets the collection of locked attributes. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>LockElements</td>
<td>Gets the collection of locked elements. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>LockItem</td>
<td>Gets or sets a value indicating whether the element is locked. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>Properties</td>
<td>Gets the collection of properties. (Inherited from ConfigurationElement.)</td>
</tr>
</tbody>
</table>
See Also

SilverlightFaultElement Class
Microsoft.Activities.Extensions.ServiceModel Namespace
SilverlightFaultElement Constructor

Initializes a new instance of the SilverlightFaultElement class

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
</tr>
</tbody>
</table>
| ```csharp```
| public SilverlightFaultElement() |
| **Visual Basic** |
| ```vb```
| Public Sub New |
| **Visual C++** |
| ```cpp```
| public: SilverlightFaultElement() |
See Also

SilverlightFaultElement Class
SilverlightFaultElement Members
Microsoft.Activities.Extensions.ServiceModel Namespace
The **SilverlightFaultElement** type exposes the following members.
### Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CopyFrom</td>
<td>Copies the content of the specified configuration element to this configuration element. (Inherited from <code>ServiceModelExtensionElement</code>.)</td>
</tr>
<tr>
<td>CreateBehavior</td>
<td>The create behavior. (Overrides <code>BehaviorExtensionElement</code>'s <code>CreateBehavior</code>.)</td>
</tr>
<tr>
<td>DeserializationElement</td>
<td>Reads XML from the configuration file. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>Equals</td>
<td>Compares the current <code>ConfigurationElement</code> instance to the specified object. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows an <code>Object</code> to attempt to free and perform other cleanup operations before the <code>Object</code> is reclaimed by garbage collection. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td>GetHashCode</td>
<td>Gets a unique value representing the current <code>ConfigurationElement</code> instance. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>GetTransformedAssemblyString</td>
<td>Returns the transformed version of the specified assembly name. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>GetTransformedTypeString</td>
<td>Returns the transformed version of the specified type name. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>GetType</td>
<td>Gets the <code>Type</code> of the current instance. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td>Init</td>
<td>Sets the <code>ConfigurationElement</code> object to its initial state. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>InitializeDefault</td>
<td>Used to initialize a default set of <code>ConfigurationElement</code> object.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>IsModified</strong></td>
<td>Gets a value that specifies whether the configuration element has been modified.</td>
</tr>
<tr>
<td><strong>IsReadOnly</strong></td>
<td>Gets a value indicating whether the <code>ConfigurationElement</code> object is read-only.</td>
</tr>
<tr>
<td><strong>ListErrors</strong></td>
<td>Adds the invalid-property errors in this <code>ConfigurationElement</code> object, and all subelements, to the passed list.</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current object.</td>
</tr>
<tr>
<td><strong>OnDeserializeUnrecognizedAttribute</strong></td>
<td>Gets a value indicating whether an unknown attribute is encountered during deserialization.</td>
</tr>
<tr>
<td><strong>OnDeserializeUnrecognizedElement</strong></td>
<td>Gets a value indicating whether an unknown element is encountered during deserialization.</td>
</tr>
<tr>
<td><strong>OnRequiredPropertyNotFound</strong></td>
<td>Throws an exception when a required property is not found.</td>
</tr>
<tr>
<td><strong>PostDeserialize</strong></td>
<td>Called after deserialization.</td>
</tr>
<tr>
<td><strong>PreSerialize</strong></td>
<td>Called before serialization.</td>
</tr>
<tr>
<td><strong>Reset</strong></td>
<td>Resets the internal state of this configuration element object, including the locks and properties collections.</td>
</tr>
<tr>
<td><strong>ResetModified</strong></td>
<td>Resets the value of the <code>IsModified</code> property to false when implemented in a derived class.</td>
</tr>
<tr>
<td><strong>SerializeElement</strong></td>
<td>Writes the contents of this configuration element to a serialized format.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>-------------</td>
</tr>
<tr>
<td>SerializeToXmlElement</td>
<td>Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from ServiceModelExtensionElement)</td>
</tr>
<tr>
<td>SetPropertyValue</td>
<td>Sets a property to the specified value. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>SetPropertyValueIfNotDefaultValue`1</td>
<td>(Inherited from ServiceModelConfigurationElement)</td>
</tr>
<tr>
<td>SetReadOnly</td>
<td>Sets the IsReadOnly() property of the ConfigurationElement object and all subelements. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a String that represents the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td>Unmerge</td>
<td>Modifies the ConfigurationElement to remove all values that should not be saved. (Inherited from ConfigurationElement)</td>
</tr>
</tbody>
</table>
See Also

SilverlightFaultElement Class
Microsoft.Activities.Extensions.ServiceModel Namespace
The create behavior.

**Namespace:** Microsoft.Activities.Extensions.DependencyInjection

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>protected override Object CreateBehavior()</code></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visual Basic</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>Protected Overrides Function CreateBehavior As Object</code></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visual C++</th>
</tr>
</thead>
</table>
| `protected:
  virtual Object^ CreateBehavior() override` |

**Return Value**

The created behavior.
See Also

SilverlightFaultElement Class
SilverlightFaultElement Members
Microsoft.Activities.Extensions.ServiceModel Namespace
The **SilverlightFaultElement** type exposes the following members.
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BehaviorType</strong></td>
<td>Gets BehaviorType. (Overides <code>BehaviorExtensionElement.BehaviorType</code>.)</td>
</tr>
<tr>
<td><strong>ConfigurationElementName</strong></td>
<td>Gets the name of this configuration element. (Inherited from <code>ServiceModelExtensionElement</code>.)</td>
</tr>
<tr>
<td><strong>CurrentConfiguration</strong></td>
<td>Gets a reference to the top-level <code>Configuration</code> instance that represents the configuration hierarchy that the current <code>ConfigurationElement</code> instance belongs to. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>ElementInformation</strong></td>
<td>Gets an <code>ElementInformation</code> object that contains the non-customizable information and functionality of the <code>ConfigurationElement</code> object. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>ElementProperty</strong></td>
<td>Gets the <code>ConfigurationElementProperty</code> object that represents the <code>ConfigurationElement</code> object itself. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>EvaluationContext</strong></td>
<td>Gets the <code>ContextInformation</code> object for the <code>ConfigurationElement</code> object. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>HasContext</strong></td>
<td>(Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>Item(ConfigurationProperty)</strong></td>
<td>Gets or sets a property or attribute of this configuration element. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>Item(String)</strong></td>
<td>Gets or sets a property, attribute, or child element of this configuration element. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>LockAllAttributesExcept</strong></td>
<td>Gets the collection of locked attributes. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>LockAllElementsExcept</td>
<td>Gets the collection of locked elements. (Inherited from <a href="#">ConfigurationElement</a>.)</td>
</tr>
<tr>
<td>LockAttributes</td>
<td>Gets the collection of locked attributes. (Inherited from <a href="#">ConfigurationElement</a>.)</td>
</tr>
<tr>
<td>LockElements</td>
<td>Gets the collection of locked elements. (Inherited from <a href="#">ConfigurationElement</a>.)</td>
</tr>
<tr>
<td>LockItem</td>
<td>Gets or sets a value indicating whether the element is locked. (Inherited from <a href="#">ConfigurationElement</a>.)</td>
</tr>
<tr>
<td>Properties</td>
<td>Gets the collection of properties. (Inherited from <a href="#">ConfigurationElement</a>.)</td>
</tr>
</tbody>
</table>
See Also

SilverlightFaultElement Class
Microsoft.Activities.Extensions.ServiceModel Namespace
SilverlightFaultElement.BehaviorType Property

Gets BehaviorType.

**Namespace:** [Microsoft.Activities.Extensions.ServiceModel](https://docs.microsoft.com/en-us/dotnet/api/microsoft.activities.extensions.servicemodel)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
</table>
| `public override Type BehaviorType { get; }` | `Public Overrides ReadOnly Property BehaviorType As Type Get` | `public: virtual property Type^ BehaviorType {
Type^ get () override;
}` |
See Also

SilverlightFaultElement Class
SilverlightFaultElement Members
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

WorkflowExtensionConfigElement Class

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Configuration element to allow WorkflowExtensions to be added
## Syntax

<table>
<thead>
<tr>
<th></th>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
</table>
|   | `public class WorkflowExtensionConfigElement : IConfigurationElement` | `Public Class WorkflowExtensionConfigElement _
Inherits ConfigurationElement _
Implements IConfigurationElement` | `public ref class WorkflowExtensionConfigElement : public
IConfigurationElement` |
Inheritance Hierarchy

System.Object
System.Configuration.ConfigurationElement
See Also

[WorkflowExtensionConfigElement Members](#)

[Microsoft.Activities.Extensions.ServiceModel Namespace](#)
The `WorkflowExtensionConfigElement` type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>WorkflowExtensionConfigElement()</code></td>
<td>Initializes a new instance of <code>WorkflowExtensionConfigElement</code></td>
</tr>
<tr>
<td><code>WorkflowExtensionConfigElement(String)</code></td>
<td>Initializes a new instance of <code>WorkflowExtensionConfigElement</code></td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DeserializeElement</td>
<td>Reads XML from the configuration file. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>Equals</td>
<td>Compares the current ConfigurationElement instance to the specified object. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection. (Inherited from Object.)</td>
</tr>
<tr>
<td>GetHashCode</td>
<td>Gets a unique value representing the current ConfigurationElement instance. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>GetKey</td>
<td>Returns the key for this config element</td>
</tr>
<tr>
<td>GetTransformedAssemblyString</td>
<td>Returns the transformed version of the specified assembly name. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>GetTransformedTypeString</td>
<td>Returns the transformed version of the specified type name.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the <code>Type</code> of the current instance. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><strong>Init</strong></td>
<td>Sets the <code>ConfigurationElement</code> object to its initial state. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>InitializeDefault</strong></td>
<td>Used to initialize a default set of values for the <code>ConfigurationElement</code> object. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>IsModified</strong></td>
<td>Indicates whether this configuration element has been modified since it was last saved or loaded, when implemented in a derived class. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>IsReadOnly</strong></td>
<td>Gets a value indicating whether the <code>ConfigurationElement</code> object is read-only. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>ListErrors</strong></td>
<td>Adds the invalid-property errors in this <code>ConfigurationElement</code> object, and in all subelements, to the passed list. (Inherited from</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current <code>Object</code>. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><strong>OnDeserialzeUnrecognizedAttribute</strong></td>
<td>Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>OnDeserialzeUnrecognizedElement</strong></td>
<td>Gets a value indicating whether an unknown element is encountered during deserialization. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>OnRequiredPropertyNotFound</strong></td>
<td>Throws an exception when a required property is not found. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>PostDeserialize</strong></td>
<td>Called after deserialization. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>PreSerialize</strong></td>
<td>Called before serialization. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>Reset</strong></td>
<td>Resets the internal state of the <code>ConfigurationElement</code> object, including the locks and the properties collections. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>ResetModified</strong></td>
<td>Resets the value of the <code>IsModified()</code> method to false when implemented in a</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>SerializeElement</td>
<td>Writes the contents of this configuration element to the configuration file when implemented in a derived class. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>SerializeToXmlElement</td>
<td>Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>SetPropertyValue</td>
<td>Sets a property to the specified value. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>SetReadOnly</td>
<td>Sets the IsReadOnly() property for the ConfigurationElement object and all subelements. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a String that represents the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td>Unmerge</td>
<td>Modifies the ConfigurationElement object to remove all values that should not be saved. (Inherited from ConfigurationElement.)</td>
</tr>
</tbody>
</table>
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CurrentConfiguration</td>
<td>Gets a reference to the top-level Configuration instance that represents the configuration hierarchy that the current ConfigurationElement instance belongs to. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>ElementInformation</td>
<td>Gets an ElementInformation object that contains the non-customizable information and functionality of the ConfigurationElement object. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>ElementProperty</td>
<td>Gets the ConfigurationElementProperty object that represents the ConfigurationElement object itself. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>EvaluationContext</td>
<td>Gets the ContextInformation object for the ConfigurationElement object. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>ExtensionType</td>
<td>Contains the fully qualified type name for this extension</td>
</tr>
<tr>
<td>HasContext</td>
<td>(Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>Item(ConfigurationProperty)</td>
<td>Gets or sets a property or attribute of this configuration element. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>Item(String)</td>
<td>Gets or sets a property, attribute, or</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>LockAllAttributesExcept</td>
<td>Gets the collection of locked attributes.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>LockAllElementsExcept</td>
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<tr>
<td>LockElements</td>
<td>Gets the collection of locked elements.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>LockItem</td>
<td>Gets or sets a value indicating whether the element is locked.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Properties</td>
<td>Gets the collection of properties.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
See Also

WorkflowExtensionConfigElement Class
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

WorkflowExtensionConfigElement Constructor

WorkflowExtensionConfigElement Class  See Also  Send Feedback
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>WorkflowExtensionConfigElement()</code></td>
<td>Initializes a new instance of <code>WorkflowExtensionConfigElement</code></td>
</tr>
<tr>
<td><code>WorkflowExtensionConfigElement(String)</code></td>
<td>Initializes a new instance of <code>WorkflowExtensionConfigElement</code></td>
</tr>
</tbody>
</table>
See Also

WorkflowExtensionConfigElement Class
WorkflowExtensionConfigElement Members
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

WorkflowExtensionConfigElement Constructor

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Initializes a new instance of WorkflowExtensionConfigElement
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code Block</th>
</tr>
</thead>
<tbody>
<tr>
<td>C#</td>
<td>public WorkflowExtensionConfigElement()</td>
</tr>
<tr>
<td>Visual Basic</td>
<td>Public Sub New</td>
</tr>
<tr>
<td>Visual C++</td>
<td>public: WorkflowExtensionConfigElement()</td>
</tr>
</tbody>
</table>
See Also

WorkflowExtensionConfigElement Class
WorkflowExtensionConfigElement Members
WorkflowExtensionConfigElement Overload
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

WorkflowExtensionConfigElement Constructor (String)

WorkflowExtensionConfigElement Class See Also Send Feedback

Initializes a new instance of WorkflowExtensionConfigElement

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public WorkflowExtensionConfigElement(
    string key
)
```

### Visual Basic

```vbnet
Public Sub New (_
    key As String _
)
```

### Visual C++

```cpp
public:
WorkflowExtensionConfigElement(
    String^ key
)
```

## Parameters

*key*

Type: `System.String`

The key for the element
See Also

WorkflowExtensionConfigElement Class
WorkflowExtensionConfigElement Members
WorkflowExtensionConfigElement Overload
Microsoft.Activities.Extensions.ServiceModel Namespace
The `WorkflowExtensionConfigElement` type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DeserializeElement</td>
<td>Reads XML from the configuration file. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>Equals</td>
<td>Compares the current ConfigurationElement instance to the specified object. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection. (Inherited from Object.)</td>
</tr>
<tr>
<td>GetHashCode</td>
<td>Gets a unique value representing the current ConfigurationElement instance. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>GetKey</td>
<td>Returns the key for this config element</td>
</tr>
<tr>
<td>GetTransformedAssemblyString</td>
<td>Returns the transformed version of the specified assembly name. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>GetTransformedTypeString</td>
<td>Returns the transformed version of the specified type name.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>GetType</td>
<td>Gets the Type of the current instance.</td>
</tr>
<tr>
<td>Init</td>
<td>Sets the ConfigurationElement object to its initial state.</td>
</tr>
<tr>
<td>InitializeDefault</td>
<td>Used to initialize a default set of values for the ConfigurationElement object.</td>
</tr>
<tr>
<td>IsModified</td>
<td>Indicates whether this configuration element has been modified since it was last saved or loaded, when implemented in a derived class.</td>
</tr>
<tr>
<td>IsReadOnly</td>
<td>Gets a value indicating whether the ConfigurationElement object is read-only.</td>
</tr>
<tr>
<td>ListErrors</td>
<td>Adds the invalid-property errors in this ConfigurationElement object, and in all subelements, to the passed list.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td>Creates a shallow copy of the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td>OnDeserializedUnrecognizedAttribute</td>
<td>Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>OnDeserializedUnrecognizedElement</td>
<td>Gets a value indicating whether an unknown element is encountered during deserialization. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>OnRequiredPropertyNotFound</td>
<td>Throws an exception when a required property is not found. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>PostDeserialized</td>
<td>Called after deserialization. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>PreSerialized</td>
<td>Called before serialization. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>Reset</td>
<td>Resets the internal state of the ConfigurationElement object, including the locks and the properties collections. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>ResetModified</td>
<td>Resets the value of the IsModified() method to false when implemented in a</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>SerializeElement</td>
<td>Writes the contents of this configuration element to the configuration file when implemented in a derived class. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>SerializeToXmlElement</td>
<td>Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>SetPropertyValue</td>
<td>Sets a property to the specified value. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>SetReadOnly</td>
<td>Sets the IsReadOnly() property for the ConfigurationElement object and all subelements. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a String that represents the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td>Unmerge</td>
<td>Modifies the ConfigurationElement object to remove all values that should not be saved. (Inherited from ConfigurationElement.)</td>
</tr>
</tbody>
</table>
See Also

- WorkflowExtensionConfigElement Class
- Microsoft.Activities.Extensions.ServiceModel Namespace
Returns the key for this config element

**Namespace:** [Microsoft.Activities.Extensions.ServiceModel](#)
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public Object GetKey()
```

### Visual Basic

```vbnet
Public Function GetKey As Object
```

### Visual C++

```cpp
public:
virtual Object^ GetKey() sealed
```

## Return Value


## Implements

IConfigurationElement.GetKey()
See Also

WorkflowExtensionConfigElement Class
WorkflowExtensionConfigElement Members
Microsoft.Activities.Extensions.ServiceModel Namespace
The `WorkflowExtensionConfigElement` type exposes the following members.
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CurrentConfiguration</strong></td>
<td>Gets a reference to the top-level <code>Configuration</code> instance that represents the configuration hierarchy that the current <code>ConfigurationElement</code> instance belongs to. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>ElementInformation</strong></td>
<td>Gets an <code>ElementInformation</code> object that contains the non-customizable information and functionality of the <code>ConfigurationElement</code> object. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>ElementProperty</strong></td>
<td>Gets the <code>ConfigurationElementProperty</code> object that represents the <code>ConfigurationElement</code> object itself. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>EvaluationContext</strong></td>
<td>Gets the <code>ContextInformation</code> object for the <code>ConfigurationElement</code> object. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>ExtensionType</strong></td>
<td>Contains the fully qualified type name for this extension</td>
</tr>
<tr>
<td><strong>HasContext</strong></td>
<td>(Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>Item(ConfigurationProperty)</strong></td>
<td>Gets or sets a property or attribute of this configuration element. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>Item(String)</strong></td>
<td>Gets or sets a property, attribute, or...</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>-------------</td>
</tr>
<tr>
<td>child element of this configuration element. (Inherited from ConfigurationElement.)</td>
<td></td>
</tr>
<tr>
<td><strong>LockAllAttributesExcept</strong></td>
<td>Gets the collection of locked attributes. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td><strong>LockAllElementsExcept</strong></td>
<td>Gets the collection of locked elements. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td><strong>LockAttributes</strong></td>
<td>Gets the collection of locked attributes (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td><strong>LockElements</strong></td>
<td>Gets the collection of locked elements. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td><strong>LockItem</strong></td>
<td>Gets or sets a value indicating whether the element is locked. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td><strong>Properties</strong></td>
<td>Gets the collection of properties. (Inherited from ConfigurationElement.)</td>
</tr>
</tbody>
</table>
See Also

WorkflowExtensionConfigElement Class
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

WorkflowExtensionConfigElement.ExtensionType Property

WorkflowExtensionConfigElement Class  See Also  Send Feedback

Contains the fully qualified type name for this extension

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
</tr>
<tr>
<td>public <strong>string</strong> ExtensionType { get; set; }</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
</tr>
</tbody>
</table>
| Public Property ExtensionType As **String**
  Get
  Set |
| **Visual C++**  |
| public:
  property **String**^ ExtensionType {
    **String**^ get ()
    void set (**String**^ value); |
| } |
See Also

- WorkflowExtensionConfigElement Class
- WorkflowExtensionConfigElement Members
- Microsoft.Activities.Extensions.ServiceModel Namespace
A Service Behavior which will add Workflow extensions

**Namespace:** [Microsoft.Activities.Extensions.ServiceModel](https://github.com/microsoft/activities)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public class WorkflowExtensionsBehavior : IServiceBehavior</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Class WorkflowExtensionsBehavior _ Implements IServiceBehavior</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public ref class WorkflowExtensionsBehavior : IServiceBehavior</code></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
See Also

WorkflowExtensionsBehavior Members
Microsoft.Activities.Extensions.ServiceModel Namespace
The `WorkflowExtensionsBehavior` type exposes the following members.
### Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WorkflowExtensionsBehavior</td>
<td>Initializes a new instance of the WorkflowExtensionsBehavior class. Initializes the WorkflowExtensionsBehavior class.</td>
</tr>
</tbody>
</table>
### Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AddBindingParameters</strong></td>
<td>Provides the ability to pass custom data to binding elements to support the contract implementation.</td>
</tr>
<tr>
<td><strong>ApplyDispatchBehavior</strong></td>
<td>Provides the ability to change run-time property values or insert custom extension objects such as error handlers, message or parameter interceptors, security extensions, and other custom extension objects.</td>
</tr>
<tr>
<td><strong>Equals</strong></td>
<td>Determines whether the specified <a href="#">Object</a> is equal to the current <a href="#">Object</a>. (Inherited from <a href="#">Object</a>)</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows an <a href="#">Object</a> to attempt to free resources and perform other cleanup operations before the <a href="#">Object</a> is reclaimed by garbage collection. (Inherited from <a href="#">Object</a>)</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Serves as a hash function for a particular type. (Inherited from <a href="#">Object</a>)</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the <a href="#">Type</a> of the current instance. (Inherited from <a href="#">Object</a>)</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current <a href="#">Object</a>. (Inherited from <a href="#">Object</a>)</td>
</tr>
<tr>
<td><strong>ToString</strong></td>
<td>Returns a <a href="#">String</a> that represents the current <a href="#">Object</a>. (Inherited from <a href="#">Object</a>)</td>
</tr>
<tr>
<td><strong>Validate</strong></td>
<td>Provides the ability to inspect the service host and the service description to confirm that the service can run successfully.</td>
</tr>
</tbody>
</table>
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ExtensionConfigElements</td>
<td>Gets the extension configuration elements</td>
</tr>
</tbody>
</table>
See Also

- WorkflowExtensionsBehavior Class
- Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

WorkflowExtensionsBehavior Constructor

WorkflowExtensionsBehavior Class See Also Send Feedback

Initializes a new instance of the WorkflowExtensionsBehavior class. Initializes the WorkflowExtensionsBehavior

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
</table>
| **C#** | ```
public WorkflowExtensionsBehavior(
    ConfigurationElementCollection<WorkflowExtensionConfigElement>)
``` |
| **Visual Basic** | ```
Public Sub New (_
    extensionConfigElements As ConfigurationElementCollection)
``` |
| **Visual C++** | ```
public:
WorkflowExtensionsBehavior(
    ConfigurationElementCollection<WorkflowExtensionConfigElement>)
``` |

### Parameters

- **extensionConfigElements**
  - Type: [Microsoft.Activities.Extensions.ServiceModel.ConfigurationElementCollection](#)
  - The extension config elements
See Also

WorkflowExtensionsBehavior Class
WorkflowExtensionsBehavior Members
Microsoft.Activities.Extensions.ServiceModel Namespace
The `WorkflowExtensionsBehavior` type exposes the following members.
### Methods

<table>
<thead>
<tr>
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<tr>
<td>AddBindingParameters</td>
<td>Provides the ability to pass custom data to binding elements to support the contract implementation.</td>
</tr>
<tr>
<td>ApplyDispatchBehavior</td>
<td>Provides the ability to change run-time property values or insert custom extension objects such as error handlers, message or parameter interceptors, security extensions, and other custom extension objects.</td>
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<tr>
<td>Equals</td>
<td>Determines whether the specified <code>Object</code> is equal to the current <code>Object</code>. (Inherited from <code>Object</code>.)</td>
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<tr>
<td>Finalize</td>
<td>Allows an <code>Object</code> to attempt to free resources and perform other cleanup operations before the <code>Object</code> is reclaimed by garbage collection. (Inherited from <code>Object</code>.)</td>
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<td>GetHashCode</td>
<td>Serves as a hash function for a particular type. (Inherited from <code>Object</code>.)</td>
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<tr>
<td>GetType</td>
<td>Gets the <code>Type</code> of the current instance. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td>Creates a shallow copy of the current <code>Object</code>. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a <code>String</code> that represents the current <code>Object</code>. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td>Validate</td>
<td>Provides the ability to inspect the service host and the service description to confirm that the service can run successfully.</td>
</tr>
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See Also

WorkflowExtensionsBehavior Class
Microsoft.Activities.Extensions.ServiceModel Namespace
Provides the ability to pass custom data to binding elements to support the contract implementation.

**Namespace:** Microsoft.Activities.Extensions.ServiceModel  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public void AddBindingParameters(
    ServiceDescription serviceDescription,
    ServiceHostBase serviceHostBase,
    Collection<ServiceEndpoint> endpoints,
    BindingParameterCollection bindingParameters
)
```

**Visual Basic**

```vbnet
Public Sub AddBindingParameters (_
    serviceDescription As ServiceDescription, _
    serviceHostBase As ServiceHostBase, _
    endpoints As Collection(Of ServiceEndpoint), _
    bindingParameters As BindingParameterCollection
)
```

**Visual C++**

```cpp
public: virtual void AddBindingParameters(
    ServiceDescription^ serviceDescription,
    ServiceHostBase^ serviceHostBase,
    Collection<ServiceEndpoint^>^ endpoints,
    BindingParameterCollection^ bindingParameters
) sealed
```

### Parameters

- **serviceDescription**
  Type: `System.ServiceModel.Description.ServiceDescription`
  The service description of the service.
**serviceHostBase**
Type: [System.ServiceModel.ServiceHostBase](https://docs.microsoft.com/en-us/dotnet/api/system.servicemodel.servicehostbase)
The host of the service.

**endpoints**
The service endpoints.

**bindingParameters**
Custom objects to which binding elements have access.

**Implements**
[IServiceBehavior.AddBindingParameters](https://docs.microsoft.com/en-us/dotnet/api/system.servicemodel.iservicebehavior.addbindingparameters)
[ServiceHostBase, Collection(ServiceEndpoint), BindingParameterCollection](https://docs.microsoft.com/en-us/dotnet/api/system.servicemodel.servicehostbase.collection(bindingparametercollection))
See Also

WorkflowExtensionsBehavior Class
WorkflowExtensionsBehavior Members
Microsoft.Activities.Extensions.ServiceModel Namespace
Provides the ability to change run-time property values or insert custom extension objects such as error handlers, message or parameter interceptors, security extensions, and other custom extension objects.

**Namespace:** Microsoft.Activities.Extensions.ServiceModel
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public void ApplyDispatchBehavior(
    ServiceDescription serviceDescription,
    ServiceHostBase serviceHostBase
)
```

Visual Basic

```vbnet
Public Sub ApplyDispatchBehavior (_
    serviceDescription As ServiceDescription, _
    serviceHostBase As ServiceHostBase _
)
```

Visual C++

```cpp
public:
    virtual void ApplyDispatchBehavior(
        ServiceDescription^ serviceDescription,
        ServiceHostBase^ serviceHostBase
    ) sealed
```

Parameters

`serviceDescription`
Type: `System.ServiceModel.Description.ServiceDescription`
The service description.

`serviceHostBase`
Type: `System.ServiceModel.ServiceHostBase`
The host that is currently being built.

Implements
IServiceBehavior.ApplyDispatchBehavior(ServiceDescription, ServiceHostBase)
See Also

WorkflowExtensionsBehavior Class
WorkflowExtensionsBehavior Members
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

WorkflowExtensionsBehavior.Validate Method

WorkflowExtensionsBehavior Class  See Also  Send Feedback

Provides the ability to inspect the service host and the service description to confirm that the service can run successfully.

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```
public void Validate(
    ServiceDescription serviceDescription,
    ServiceHostBase serviceHostBase
)
```

### Visual Basic

```
Public Sub Validate ( _
    serviceDescription As ServiceDescription, _
    serviceHostBase As ServiceHostBase _
)
```

### Visual C++

```
public:
    virtual void Validate(
        ServiceDescription^ serviceDescription, 
        ServiceHostBase^ serviceHostBase
    ) sealed
```

## Parameters

- **serviceDescription**
  
  Type: `System.ServiceModel.Description.ServiceDescription`
  
  The service description.

- **serviceHostBase**
  
  Type: `System.ServiceModel.ServiceHostBase`
  
  The service host that is currently being constructed.

## Implements
IServiceBehavior.Validate(ServiceDescription, ServiceHostBase)
See Also

WorkflowExtensionsBehavior Class
WorkflowExtensionsBehavior Members
Microsoft.Activities.Extensions.ServiceModel Namespace
The **WorkflowExtensionsBehavior** type exposes the following members.
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>ExtensionConfigElements</code></td>
<td>Gets the extension configuration elements</td>
</tr>
</tbody>
</table>
See Also

- WorkflowExtensionsBehavior Class
- Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

WorkflowExtensionsBehavior.ExtensionConfigElements Property

WorkflowExtensionsBehavior Class See Also Send Feedback

Gets the extension configuration elements

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
</tr>
<tr>
<td>protected <code>ConfigurationElementCollection&lt;WorkflowExtensionConfigElement&gt;</code></td>
<td></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td></td>
</tr>
<tr>
<td>Protected Property <code>ExtensionConfigElements As ConfigurationElementCollection&lt;WorkflowExtensionConfigElement&gt;</code></td>
<td></td>
</tr>
<tr>
<td>Get</td>
<td></td>
</tr>
<tr>
<td>Private Set</td>
<td></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td></td>
</tr>
<tr>
<td>protected: property <code>ConfigurationElementCollection&lt;WorkflowExtensionConfigElement&gt;</code></td>
<td></td>
</tr>
<tr>
<td><code>ConfigurationElementCollection&lt;WorkflowExtensionConfigElement&gt;</code></td>
<td></td>
</tr>
<tr>
<td>private: void set (<code>ConfigurationElementCollection&lt;WorkflowExtensionConfigElement&gt;</code>)</td>
<td></td>
</tr>
</tbody>
</table>
See Also

WorkflowExtensionsBehavior Class
WorkflowExtensionsBehavior Members
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

WorkflowExtensionsElement Class

Configuration element for Workflow Extensions

**Namespace:** [Microsoft.Activities.Extensions.ServiceModel](https://example.com)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
</tr>
<tr>
<td><code>public class WorkflowExtensionsElement : BehaviorExtensionElement</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
</tr>
</tbody>
</table>
| `Public Class WorkflowExtensionsElement _
  Inherits BehaviorExtensionElement` |
| **Visual C++** |
| `public ref class WorkflowExtensionsElement : public` |
Inheritance Hierarchy

System.Object
System.Configuration.ConfigurationElement
ServiceModelConfigurationElement
See Also

WorkflowExtensionsElement Members
Microsoft.Activities.Extensions.ServiceModel Namespace
The \texttt{WorkflowExtensionsElement} type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WorkflowExtensionsElement</td>
<td>Initializes a new instance of the <strong>WorkflowExtensionsElement</strong> class</td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CopyFrom</td>
<td>Copies the content of the specified configuration element to this configuration element. (Inherited from ServiceModelExtensionElement)</td>
</tr>
<tr>
<td>CreateBehavior</td>
<td>Creates a behavior extension based on the current configuration settings. (Overrides BehaviorExtensionElement.CreateBehavior)</td>
</tr>
<tr>
<td>DeserializeElement</td>
<td>Reads XML from the configuration file. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>Equals</td>
<td>Compares the current ConfigurationElement instance to the specified object. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection. (Inherited from Object)</td>
</tr>
<tr>
<td>GetHashCode</td>
<td>Gets a unique value representing the current ConfigurationElement instance. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>GetTransformedAssemblyString</td>
<td>Returns the transformed version of the specified assembly name. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>GetTransformedTypeString</td>
<td>Returns the transformed version of the specified type name. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>GetType</td>
<td>Gets the Type of the current instance. (Inherited from Object)</td>
</tr>
<tr>
<td>Init</td>
<td>Sets the ConfigurationElement object to its initial state. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>InitializeDefault</td>
<td>Used to initialize a default set of values for the ConfigurationElement object.</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>IsModified</strong></td>
<td>Gets a value that specifies whether the configuration element has been modified.</td>
</tr>
<tr>
<td><strong>IsReadOnly</strong></td>
<td>Gets a value indicating whether the ConfigurationElement object is read-only.</td>
</tr>
<tr>
<td><strong>ListErrors</strong></td>
<td>Adds the invalid-property errors in this ConfigurationElement object, and in subelements, to the passed list.</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current ConfigurationElement object.</td>
</tr>
<tr>
<td><strong>OnDeserializingUnknownAttribute</strong></td>
<td>Gets a value indicating whether an unrecognized attribute is encountered during deserialization.</td>
</tr>
<tr>
<td><strong>OnDeserializingUnknownElement</strong></td>
<td>Gets a value indicating whether an unrecognized element is encountered during deserialization.</td>
</tr>
<tr>
<td><strong>OnRequiredPropertyNotFound</strong></td>
<td>Throws an exception when a required property is not found.</td>
</tr>
<tr>
<td><strong>OnDeserialized</strong></td>
<td>Called after deserialization.</td>
</tr>
<tr>
<td><strong>PreDeserialized</strong></td>
<td>Called before serialization.</td>
</tr>
<tr>
<td><strong>Reset</strong></td>
<td>Resets the internal state of this configuration element object, including the locks and properties collections.</td>
</tr>
<tr>
<td><strong>ResetModified</strong></td>
<td>Resets the value of the IsModified property to false when implemented in a derived class.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>SerializeElement</td>
<td>Writes the contents of this configuration element to the configuration file. (Inherited from ServiceModelExtensionElement)</td>
</tr>
<tr>
<td>SerializeToXmlElement</td>
<td>Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>SetPropertyValue</td>
<td>Sets a property to the specified value. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>SetPropertyValueIfNotDefaultVal`1</td>
<td>(Inherited from ServiceModelConfigurationElement)</td>
</tr>
<tr>
<td>SetReadOnly</td>
<td>Sets the <code>IsReadOnly()</code> property of the <code>ConfigurationElement</code> object and all subelements. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a <code>String</code> that represents the current <code>Object</code>. (Inherited from Object)</td>
</tr>
<tr>
<td>Unmerge</td>
<td>Modifies the <code>ConfigurationElement</code> by removing all values that should not be saved. (Inherited from ConfigurationElement)</td>
</tr>
</tbody>
</table>
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BehaviorType</strong></td>
<td>Gets the type of behavior. (Overrrides BehaviorExtensionElement, BehaviorType.)</td>
</tr>
<tr>
<td><strong>ConfigurationElementName</strong></td>
<td>Gets the name of this configuration element. (Inherited from ServiceModelExtensionElement.)</td>
</tr>
<tr>
<td><strong>CurrentConfiguration</strong></td>
<td>Gets a reference to the top-level Configuration instance that represents the configuration hierarchy that the current ConfigurationElement instance belongs to. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td><strong>ElementInformation</strong></td>
<td>Gets an ElementInformation object that contains the non-customizable information and functionality of the ConfigurationElement object. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td><strong>ElementProperty</strong></td>
<td>Gets the ConfigurationElementProperty object that represents the ConfigurationElement object itself. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td><strong>EvaluationContext</strong></td>
<td>Gets the ContextInformation object for the ConfigurationElement object. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td><strong>Extensions</strong></td>
<td>Gets The extensions collection</td>
</tr>
<tr>
<td><strong>HasContext</strong></td>
<td>(Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td><strong>Item(ConfigurationProperty)</strong></td>
<td>Gets or sets a property or attribute of this configuration element. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td><strong>Item(String)</strong></td>
<td>Gets or sets a property, attribute, or child element of this configuration element. (Inherited from ConfigurationElement.)</td>
</tr>
<tr>
<td><strong>LockAllAttributesExcept</strong></td>
<td>Gets the collection of locked attributes.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>LockAllElementsExcept</td>
<td>Gets the collection of locked elements.</td>
</tr>
<tr>
<td>LockAttributes</td>
<td>Gets the collection of locked attributes.</td>
</tr>
<tr>
<td>LockElements</td>
<td>Gets the collection of locked elements.</td>
</tr>
<tr>
<td>LockItem</td>
<td>Gets or sets a value indicating whether the element is locked.</td>
</tr>
<tr>
<td>Properties</td>
<td>Gets the collection of properties.</td>
</tr>
</tbody>
</table>
See Also

WorkflowExtensionsElement Class
Microsoft.Activities.Extensions.ServiceModel Namespace
Initializes a new instance of the `WorkflowExtensionsElement` class

**Namespace:** Microsoft.Activities.Extensions.ServiceModel

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

**C#**

public WorkflowExtensionsElement()

**Visual Basic**

Public Sub New

**Visual C++**

public:
WorkflowExtensionsElement()
See Also

WorkflowExtensionsElement Class
WorkflowExtensionsElement Members
Microsoft.Activities.Extensions.ServiceModel Namespace
The `WorkflowExtensionsElement` type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>CopyFrom</td>
<td>Copies the content of the specified configuration element to this configuration element. (Inherited from ServiceModelExtensionElement)</td>
</tr>
<tr>
<td>CreateBehavior</td>
<td>Creates a behavior extension based on the current configuration settings. (Overrides BehaviorExtensionElement.CreateBehavior)</td>
</tr>
<tr>
<td>DeserializeElement</td>
<td>Reads XML from the configuration file. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>Equals</td>
<td>Compares the current ConfigurationElement instance to the specified object. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection. (Inherited from Object)</td>
</tr>
<tr>
<td>GetHashCode</td>
<td>Gets a unique value representing the ConfigurationElement instance. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>GetTransformedAssemblyString</td>
<td>Returns the transformed version of the specified assembly name. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>GetTransformedTypeString</td>
<td>Returns the transformed version of the specified type name. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>GetType</td>
<td>Gets the Type of the current instance. (Inherited from Object)</td>
</tr>
<tr>
<td>Init</td>
<td>Sets the ConfigurationElement object to its initial state. (Inherited from ConfigurationElement)</td>
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<td>InitializeDefault</td>
<td>Used to initialize a default set of values on the ConfigurationElement object.</td>
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<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>-------------</td>
</tr>
<tr>
<td><strong>IsModified</strong></td>
<td>Gets a value that specifies whether the configuration element has been modified. (Inherited from <code>ConfigurationElement</code> object.)</td>
</tr>
<tr>
<td><strong>IsReadOnly</strong></td>
<td>Gets a value indicating whether the <code>ConfigurationElement</code> object is read-only. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>ListErrors</strong></td>
<td>Adds the invalid-property errors in this <code>ConfigurationElement</code> object, and all subelements, to the passed list. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current object. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><strong>OnDeserializeUnrecognizedAttribute</strong></td>
<td>Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>OnDeserializeUnrecognizedElement</strong></td>
<td>Gets a value indicating whether an unknown element is encountered during deserialization. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>OnRequiredPropertyNotFound</strong></td>
<td>Throws an exception when a required property is not found. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>PostDeserialize</strong></td>
<td>Called after deserialization. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>PreSerialize</strong></td>
<td>Called before serialization. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>Reset</strong></td>
<td>Resets the internal state of this configuration element object, including the lock and properties collections. (Inherited from <code>ServiceModelExtensionElement</code>.)</td>
</tr>
<tr>
<td><strong>ResetModified</strong></td>
<td>Resets the value of the <code>IsModified</code> property to <code>false</code> when implemented in a derived class. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------------</td>
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</tr>
<tr>
<td>SerializeElement</td>
<td>Writes the contents of this configuration element to the configuration file. (Inherited from ServiceModelExtensionElement)</td>
</tr>
<tr>
<td>SerializeToXmlElement</td>
<td>Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>SetProperty Value</td>
<td>Sets a property to the specified value. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>SetProperty ValueIfNotDefaultValue`1</td>
<td>(Inherited from ServiceModelConfigurationElement)</td>
</tr>
<tr>
<td>SetReadOnly</td>
<td>Sets the IsReadOnly() property for the ConfigurationElement object and all subelements. (Inherited from ConfigurationElement)</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a String that represents the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td>Unmerge</td>
<td>Modifies the ConfigurationElement remove all values that should not be saved. (Inherited from ConfigurationElement)</td>
</tr>
</tbody>
</table>
See Also

WorkflowExtensionsElement Class
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

WorkflowExtensionsElement.CreateBehavior Method

WorkflowExtensionsElement Class  See Also  Send Feedback

Creates a behavior extension based on the current configuration settings.

**Namespace:** [Microsoft.Activities.Extensions.ServiceModel](https://go.microsoft.com/fwlink/?LinkId=239196)  
**Assembly:** Microsoft.Activities.Extensions.dll (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
protected override Object CreateBehavior()
```

### Visual Basic

```vbnet
Protected Overrides Function CreateBehavior As Object
```

### Visual C++

```cpp
protected:
virtual Object^ CreateBehavior() override
```

## Return Value

The behavior extension.
See Also

WorkflowExtensionsElement Class
WorkflowExtensionsElement Members
Microsoft.Activities.Extensions.ServiceModel Namespace
The \texttt{WorkflowExtensionsElement} type exposes the following members.
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BehaviorType</strong></td>
<td>Gets the type of behavior. (Overrides <code>BehaviorExtensionElement.BehaviorType</code>.)</td>
</tr>
<tr>
<td><strong>ConfigurationElementName</strong></td>
<td>Gets the name of this configuration element. (Inherited from <code>ServiceModelExtensionElement</code>.)</td>
</tr>
<tr>
<td><strong>CurrentConfiguration</strong></td>
<td>Gets a reference to the top-level <code>Configuration</code> instance that represents the configuration hierarchy that the current <code>ConfigurationElement</code> instance belongs to. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>ElementInformation</strong></td>
<td>Gets an <code>ElementInformation</code> object that contains the non-customizable information and functionality of the <code>ConfigurationElement</code> object. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>ElementProperty</strong></td>
<td>Gets the <code>ConfigurationElementProperty</code> object that represents the <code>ConfigurationElement</code> object itself. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>EvaluationContext</strong></td>
<td>Gets the <code>ContextInformation</code> object for the <code>ConfigurationElement</code> object. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>Extensions</strong></td>
<td>Gets the extensions collection</td>
</tr>
<tr>
<td><strong>HasContext</strong></td>
<td>(Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>Item(ConfigurationProperty)</strong></td>
<td>Gets or sets a property or attribute of this configuration element. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>Item(String)</strong></td>
<td>Gets or sets a property, attribute, or child element of this configuration element. (Inherited from <code>ConfigurationElement</code>.)</td>
</tr>
<tr>
<td><strong>LockAllAttributesExcept</strong></td>
<td>Gets the collection of locked attributes.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>LockAllElementsExcept</strong></td>
<td>Gets the collection of locked elements.</td>
</tr>
<tr>
<td><strong>LockAttributes</strong></td>
<td>Gets the collection of locked attributes</td>
</tr>
<tr>
<td><strong>LockElements</strong></td>
<td>Gets the collection of locked elements.</td>
</tr>
<tr>
<td><strong>LockItem</strong></td>
<td>Gets or sets a value indicating whether the element is locked.</td>
</tr>
<tr>
<td><strong>Properties</strong></td>
<td>Gets the collection of properties.</td>
</tr>
</tbody>
</table>
See Also

WorkflowExtensionsElement Class
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

WorkflowExtensionsElement.BehaviorType Property

Namespace: Microsoft.Activities.Extensions.ServiceModel
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Gets the type of behavior.
### Syntax

#### C#

```csharp
public override Type BehaviorType { get; }
```

#### Visual Basic

```vbnet
Public Overrides ReadOnly Property BehaviorType As Type
Get
```

#### Visual C++

```cpp
public:
virtual property Type^ BehaviorType {
    Type^ get () override;
}
```

### Return Value

A `Type`. 
See Also

WorkflowExtensionsElement Class
WorkflowExtensionsElement Members
Microsoft.Activities.Extensions.ServiceModel Namespace
Gets The extensions collection


**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
</tr>
<tr>
<td>public <code>ConfigurationElementCollection&lt;WorkflowExtensionConfigElement&gt;</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
</tr>
<tr>
<td>Public ReadOnly Property <code>Extensions</code> As <code>ConfigurationElementCollection&lt;WorkflowExtensionConfigElement&gt;</code> Get</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
</tr>
</tbody>
</table>
| public:
| `property ConfigurationElementCollection<WorkflowExtensionConfigElement> Get` |
See Also

WorkflowExtensionsElement Class
WorkflowExtensionsElement Members
Microsoft.Activities.Extensions.ServiceModel Namespace
Microsoft.Activities.Extensions

Microsoft.Activities.Extensions.Statements Namespace

Send Feedback

Provides additional workflow activities
### Classes

<table>
<thead>
<tr>
<th>Class</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AddToDictionary(TKey, TValue)</td>
<td>The <code>AddToDictionary</code> activity will add a key value pair to a dictionary.</td>
</tr>
<tr>
<td>ClearDictionary(TKey, TValue)</td>
<td>The <code>ClearDictionary</code> will clear a dictionary.</td>
</tr>
<tr>
<td>DelayUntilDateTime</td>
<td>The <code>DelayUntilDateTime</code> activity will delay until the specified date and time if it is in the future.</td>
</tr>
<tr>
<td>DelayUntilTime</td>
<td>The <code>DelayUntilTime</code> activity</td>
</tr>
<tr>
<td>GetFromDictionary(TKey, TValue)</td>
<td>The <code>GetFromDictionary</code> activity will add a key value pair to a dictionary.</td>
</tr>
<tr>
<td>GetInstanceId</td>
<td>Activity that returns the workflow instance ID</td>
</tr>
<tr>
<td>InvokeWorkflow</td>
<td>Activity that invokes another workflow using <code>WorkflowInvoker</code></td>
</tr>
<tr>
<td>KeyExistsInDictionary(TKey, TValue)</td>
<td>The <code>KeyExistsInDictionary</code> activity determines if a key exists in a dictionary</td>
</tr>
<tr>
<td>LoadActivity</td>
<td>Loads a workflow definition from a XAML file</td>
</tr>
<tr>
<td>LoadAndInvokeWorkflow</td>
<td>The load and invoke workflow.</td>
</tr>
<tr>
<td>LoadAssembly</td>
<td>Loads an assembly into the current AppDomain</td>
</tr>
<tr>
<td>RemoveFromDictionary(TKey, TValue)</td>
<td>The <code>RemoveFromDictionary</code> activity will remove a key value pair to a dictionary.</td>
</tr>
<tr>
<td>ValueExistsInDictionary(TKey, TValue)</td>
<td>The <code>ValueExistsInDictionary</code> activity determines if a value exists in a dictionary</td>
</tr>
</tbody>
</table>
The AddToDictionary activity will add a key value pair to a dictionary.

**Namespace:** [Microsoft.Activities.Extensions.Statements](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public sealed class AddToDictionary&lt;TKey, TValue&gt; : CodeActivity</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public NotInheritable Class AddToDictionary(Of TKey, TValue) Inherits CodeActivity</code></td>
</tr>
</tbody>
</table>
| **Visual C++** | `generic< typename TKey, typename TValue >
  public ref class AddToDictionary sealed : public CodeActivity` |
Type Parameters

$TKey$
Type of the key

$TValue$
Type of the value
Inheritance Hierarchy

System.Object
System.Activities.Activity
System.Activities.CodeActivity
Microsoft.Activities.Extensions.Statements.AddToDictionary(TKey, TValue)
See Also

AddToDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Namespace
The `AddToDictionary(TKey, TValue)` type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>AddToDictionary(TKey, TValue)</code></td>
<td>Initializes a new instance of the <code>AddToDictionary(TKey, TValue)</code> class</td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheMetadata(ActivityMetadata)</td>
<td>Not implemented. Use CacheMetadata(CodeActivityMetadata) instead. (Inherited from CodeActivity.)</td>
</tr>
<tr>
<td>CacheMetadata(CodeActivityMetadata)</td>
<td>Creates and validates a description of the activity’s arguments, variables, child activities, and activity delegates. (Inherited from CodeActivity.)</td>
</tr>
<tr>
<td>Equals</td>
<td>Determines whether the specified object is equal to the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td>Execute</td>
<td>The execute. (Overrids CodeActivity.Execute(CodeActivityContext))</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows an Object to attempt to free and perform other cleanup operations before the Object is reclaimed by garbage collection. (Inherited from Object.)</td>
</tr>
<tr>
<td>GetHashCode</td>
<td>Serves as a hash function for a particular type. (Inherited from Object.)</td>
</tr>
<tr>
<td>GetType</td>
<td>Gets the Type of the current instance. (Inherited from Object.)</td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td>Creates a shallow copy of the current instance. (Inherited from Object.)</td>
</tr>
<tr>
<td>OnCreateDynamicUpdateMap</td>
<td>(Inherited from CodeActivity.)</td>
</tr>
<tr>
<td>ShouldSerializeDisplayName</td>
<td>Indicates whether the Displayname should be serialized. (Inherited from Activity.)</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a String that contains the DisplayName of the Activity. (Inherited from Activity.)</td>
</tr>
</tbody>
</table>
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CacheId</strong></td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td><strong>Constraints</strong></td>
<td>Gets a collection of Constraint activities that can be configured to provide validation for the Activity. (Inherited from Activity.)</td>
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<tr>
<td><strong>Dictionary</strong></td>
<td>Gets or sets Dictionary.</td>
</tr>
<tr>
<td><strong>DisplayName</strong></td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from Activity.)</td>
</tr>
<tr>
<td><strong>Id</strong></td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td><strong>Implementation</strong></td>
<td>Not supported. (Inherited from CodeActivity.)</td>
</tr>
<tr>
<td><strong>ImplementationVersion</strong></td>
<td>(Inherited from CodeActivity.)</td>
</tr>
<tr>
<td><strong>Key</strong></td>
<td>Gets or sets Key.</td>
</tr>
<tr>
<td><strong>Value</strong></td>
<td>Gets or sets Value.</td>
</tr>
</tbody>
</table>

(Images and codes are not provided in the text.)
See Also

AddToDictionary(TKey, TValue) Class
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

AddToDictionary(TKey, TValue) Constructor

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><code>public AddToDictionary()</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><code>Public Sub New</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><code>public: AddToDictionary()</code></td>
</tr>
</tbody>
</table>
See Also

AddToDictionary(TKey, TValue) Class
AddToDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

AddToDictionary(TKey, TValue) Methods

AddToDictionary(TKey, TValue) Class See Also Send Feedback

The AddToDictionary(TKey, TValue) type exposes the following members.
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>🕒 <strong>CacheMetadata(ActivityMetadata)</strong></td>
<td>Not implemented. Use <strong>CacheMetadata(CodeActivityMetadata)</strong> instead. (Inherited from <strong>CodeActivity</strong>.)</td>
</tr>
<tr>
<td>🕒 <strong>CacheMetadata(CodeActivityMetadata)</strong></td>
<td>Creates and validates a description of the activity’s arguments, variables, child activities, and activity delegates. (Inherited from <strong>CodeActivity</strong>.)</td>
</tr>
<tr>
<td>🕒 <strong>Equals</strong></td>
<td>Determines whether the specified object is equal to the current object. (Inherited from <strong>Object</strong>.)</td>
</tr>
<tr>
<td>🕒 <strong>Execute</strong></td>
<td>The execute. (Overrides <strong>CodeActivity.Execute(CodeActivityContext)</strong>)</td>
</tr>
<tr>
<td>🕒 <strong>Finalize</strong></td>
<td>Allows an object to attempt to free resources and perform other cleanup operations before the object is reclaimed by garbage collection. (Inherited from <strong>Object</strong>.)</td>
</tr>
<tr>
<td>🕒 <strong>GetHashCode</strong></td>
<td>Serves as a hash function for a particular type. (Inherited from <strong>Object</strong>.)</td>
</tr>
<tr>
<td>🕒 <strong>GetType</strong></td>
<td>Gets the type of the current instance. (Inherited from <strong>Object</strong>.)</td>
</tr>
<tr>
<td>🕒 <strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current object. (Inherited from <strong>Object</strong>.)</td>
</tr>
<tr>
<td>🕒 <strong>OnCreateDynamicUpdateMap</strong></td>
<td>(Inherited from <strong>CodeActivity</strong>.)</td>
</tr>
<tr>
<td>🕒 <strong>ShouldSerializeDisplayName</strong></td>
<td>Indicates whether the display name should be serialized. (Inherited from <strong>Activity</strong>.)</td>
</tr>
<tr>
<td>🕒 <strong>ToString</strong></td>
<td>Returns a string that contains the display name of the activity. (Inherited from <strong>Activity</strong>.)</td>
</tr>
</tbody>
</table>
See Also

AddToDictionary(TKey, TValue) Class
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

**AddToDictionary(TKey, TValue).Execute Method**

**AddToDictionary(TKey, TValue) Class** See Also Send Feedback

The execute.

**Namespace:** Microsoft.Activities.Extensions.Statements  
**Assembly:** Microsoft.Activities.Extensions  
Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>protected override void Execute(&lt;br&gt;CodeActivityContext context)</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Protected Overrides Sub Execute ( _&lt;br&gt;context As CodeActivityContext _&lt;br&gt;)</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>protected: virtual void Execute(&lt;br&gt;CodeActivityContext^ context)&lt;br&gt;override</code></td>
</tr>
</tbody>
</table>

### Parameters

- **context**  
  Type: [System.Activities.CodeActivityContext](https://docs.microsoft.com/en-us/dotnet/api/system.activities.codeactivitycontext)  
  The context.
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>System.InvalidOperationException</code></td>
<td>Dictionary is null</td>
</tr>
</tbody>
</table>
See Also

AddToDictionary(TKey, TValue) Class
AddToDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Statements Namespace
The `AddToDictionary<TKey, TValue>` type exposes the following members.
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheId</td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from Activity.)</td>
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<tr>
<td>Constraints</td>
<td>Gets a collection of Constraint activities that can be configured to provide validation for the Activity. (Inherited from Activity.)</td>
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<tr>
<td>Dictionary</td>
<td>Gets or sets Dictionary.</td>
</tr>
<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from Activity.)</td>
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<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Implementation</td>
<td>Not supported. (Inherited from CodeActivity.)</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from CodeActivity.)</td>
</tr>
<tr>
<td>Key</td>
<td>Gets or sets Key.</td>
</tr>
<tr>
<td>Value</td>
<td>Gets or sets Value.</td>
</tr>
</tbody>
</table>
See Also

AddToDictionary(TKey, TValue) Class
Microsoft.Activities.Extensions.Statements Namespace
Gets or sets Dictionary.

**Namespace:** [Microsoft.Activities.Extensions.Statements](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th></th>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><code>public InArgument&lt;IDictionary&lt;TKey, TValue&gt;&gt; Dictionary</code></td>
<td><code>Public Property Dictionary As InArgument(Of IDictionary&lt;TKey, TValue&gt;)</code></td>
<td><code>public: property InArgument&lt;IDictionary&lt;TKey, TValue&gt;^&gt;^ Dictionary</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td><code>Get</code></td>
<td><code>get</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td><code>Set</code></td>
<td><code>void set (InArgument&lt;IDictionary&lt;TKey, TValue&gt;^&gt;</code></td>
</tr>
</tbody>
</table>


See Also

AddToDictionary(TKey, TValue) Class
AddToDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Statements Namespace
Microsoft.Activities.Extensions

**AddToDictionary**(*TKey, TValue*).**Key** Property

**AddToDictionary**(*TKey, TValue*) Class  See Also  Send Feedback

Gets or sets Key.

**Namespace:** [Microsoft.Activities.Extensions.Statements](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
</tr>
<tr>
<td>public <code>InArgument&lt;TKey&gt;</code> Key { get; set; }</td>
<td></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td></td>
</tr>
</tbody>
</table>
| Public Property Key As `InArgument(Of TKey)`  
  Get  
  Set |  |
| **Visual C++** |  |
| public:  
  property `InArgument<TKey>^` Key {  
    `InArgument<TKey>^` get ();  
    void set (`InArgument<TKey>^` value);  
  } |  |
See Also

AddToDictionary(TKey, TValue) Class
AddToDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Namespace
**Microsoft.Activities.Extensions**

**AddToDictionary(TKey, TValue).Value Property**

AddToDictionary(TKey, TValue) Class  See Also  Send Feedback

Gets or sets Value.

**Namespace:** [Microsoft.Activities.Extensions.Statements](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
**Syntax**

<table>
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<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public <code>InArgument&lt;TValue&gt;</code> Value { get; set; }</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>Public Property Value As <code>InArgument(Of TValue)</code> Get Set</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>public: property <code>InArgument&lt;TValue&gt;</code>^ Value { <code>InArgument&lt;TValue&gt;</code>^ get (); void set (<code>InArgument&lt;TValue&gt;</code>^ value); }</td>
</tr>
</tbody>
</table>
See Also

AddToDictionary(TKey, TValue) Class
AddToDictionary(TKey, TValue) Members
The ClearDictionary will clear a dictionary.

**Namespace:** [Microsoft.Activities.Extensions.Statements](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
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<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public sealed class ClearDictionary&lt;TKey, TValue&gt; :</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>Public NotInheritable Class ClearDictionary(Of TKey, TValue) Inherits CodeActivity</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>generic&lt;typename TKey, typename TValue&gt; public ref class ClearDictionary sealed : public CodeActivity</td>
</tr>
</tbody>
</table>
Type Parameters

TKey
Type of the key
TValue
Type of the value
Inheritance Hierarchy

- `System.Object`
- `System.Activities.Activity`
- `System.Activities.CodeActivity`
See Also

ClearDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Namespace
The `ClearDictionary(TKey, TValue)` type exposes the following members.
### Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>ClearDictionary(TKey, TValue)</code></td>
<td>Initializes a new instance of the <code>ClearDictionary(TKey, TValue)</code> class</td>
</tr>
</tbody>
</table>
## Methods

<table>
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<tr>
<th>Name</th>
<th>Description</th>
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<tbody>
<tr>
<td>CacheMetadata(ActivityMetadata)</td>
<td>Not implemented. Use CacheMetadata(CodeActivityMetadata) instead. (Inherited from CodeActivity.)</td>
</tr>
<tr>
<td>CacheMetadata(CodeActivityMetadata)</td>
<td>Creates and validates a description of the activity’s arguments, variables, child activities, and activity delegates. (Inherited from CodeActivity.)</td>
</tr>
<tr>
<td>Equals</td>
<td>Determines whether the specified object is equal to the current Object. (Inherited from Object.)</td>
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<tr>
<td>Execute</td>
<td>The execute. (Overrides CodeActivity.Execute(CodeActivityContext))</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection. (Inherited from Object.)</td>
</tr>
<tr>
<td>GetHashCode</td>
<td>Serves as a hash function for a particular type. (Inherited from Object.)</td>
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<tr>
<td>GetType</td>
<td>Gets the Type of the current instance. (Inherited from Object.)</td>
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<tr>
<td>MemberwiseClone</td>
<td>Creates a shallow copy of the current instance. (Inherited from Object.)</td>
</tr>
<tr>
<td>OnCreateDynamicUpdateMap</td>
<td>(Inherited from CodeActivity.)</td>
</tr>
<tr>
<td>ShouldSerializeDisplayName</td>
<td>Indicates whether the DisplayNames of the Activity should be serialized. (Inherited from Activity.)</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a String that contains the DisplayName of the Activity. (Inherited from Activity.)</td>
</tr>
</tbody>
</table>
### Properties

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<th>Name</th>
<th>Description</th>
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<tbody>
<tr>
<td>CacheId</td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from Activity.)</td>
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<td>Constraints</td>
<td>Gets a collection of Constraint activities that can be configured to provide validation for the Activity. (Inherited from Activity.)</td>
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<tr>
<td>Dictionary</td>
<td>Gets or sets Dictionary.</td>
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<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from Activity.)</td>
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<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Implementation</td>
<td>Not supported. (Inherited from CodeActivity.)</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from CodeActivity.)</td>
</tr>
</tbody>
</table>
See Also

ClearDictionary(TKey, TValue) Class
Microsoft.Activities.Extensions.Statements Namespace
ClearDictionary(TKey, TValue) Constructor

Initializes a new instance of the ClearDictionary(TKey, TValue) class

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public ClearDictionary()</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Sub New</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public: ClearDictionary()</code></td>
</tr>
</tbody>
</table>
See Also

ClearDictionary(TKey, TValue) Class
ClearDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Namespace
ClearDictionary(TKey, TValue) Methods

The ClearDictionary(TKey, TValue) type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>✤ CacheMetadata(ActivityMetadata)</td>
<td>Not implemented. Use CacheMetadata(CodeActivityMetadata) instead. (Inherited from CodeActivity.)</td>
</tr>
<tr>
<td>✤ CacheMetadata(CodeActivityMetadata)</td>
<td>Creates and validates a description of the activity’s arguments, variables, child activities, and activity delegates. (Inherited from CodeActivity.)</td>
</tr>
<tr>
<td>✤ Equals</td>
<td>Determines whether the specified object is equal to the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td>✤ Execute</td>
<td>The execute. (Overrides CodeActivity.Execute(CodeActivityContext))</td>
</tr>
<tr>
<td>✤ Finalize</td>
<td>Allows an Object to attempt to free and perform other cleanup operations before the Object is reclaimed by garbage collection. (Inherited from Object.)</td>
</tr>
<tr>
<td>✤ GetHashCode</td>
<td>Serves as a hash function for a particular type. (Inherited from Object.)</td>
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<tr>
<td>✤ GetType</td>
<td>Gets the Type of the current instance. (Inherited from Object.)</td>
</tr>
<tr>
<td>✤ MemberwiseClone</td>
<td>Creates a shallow copy of the current object. (Inherited from Object.)</td>
</tr>
<tr>
<td>✤ OnCreateDynamicUpdateMap</td>
<td>(Inherited from CodeActivity.)</td>
</tr>
<tr>
<td>✤ ShouldSerializeDisplayName</td>
<td>Indicates whether the DisplayName should be serialized. (Inherited from Activity.)</td>
</tr>
<tr>
<td>✤ ToString</td>
<td>Returns a String that contains the DisplayName of the Activity. (Inherited from Activity.)</td>
</tr>
</tbody>
</table>
See Also

ClearDictionary(TKey, TValue) Class
Microsoft.Activities.Extensions.Statements Namespace
ClearDictionary(TKey, TValue).Execute Method

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
protected override void Execute(
    CodeActivityContext context
)
```

### Visual Basic

```vbnet
Protected Overrides Sub Execute ( _
    context As CodeActivityContext _
)
```

### Visual C++

```cpp
protected:
virtual void Execute(
    CodeActivityContext^ context
) override
```

## Parameters

- **context**
  - Type: [System.Activities.CodeActivityContext](https://docs.microsoft.com/en-us/dotnet/api/system.activities.codeactivitycontext)
  - The context.
### Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>System.InvalidOperationException</td>
<td>Dictionary is null</td>
</tr>
</tbody>
</table>
See Also

ClearDictionary(TKey, TValue) Class
ClearDictionary(TKey, TValue) Members
The **ClearDictionary(TKey, TValue)** type exposes the following members.
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>CacheId</td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition.</td>
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<tr>
<td>Constraints</td>
<td>Gets a collection of Constraint activities that can be configured to provide validation for the Activity.</td>
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<td>Dictionary</td>
<td>Gets or sets Dictionary.</td>
</tr>
<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking.</td>
</tr>
<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition.</td>
</tr>
<tr>
<td>Implementation</td>
<td>Not supported.</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from CodeActivity.)</td>
</tr>
</tbody>
</table>
See Also

ClearDictionary(TKey, TValue) Class
Microsoft.Activities.Extensions.Statements Namespace
ClearDictionary(TKey, TValue).Dictionary Property

Gets or sets Dictionary.

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
</table>
| **C#**     | ```
public InArgument<IDictionary<TKey, TValue>> Dictionary {
    public InArgument<IDictionary<TKey, TValue>> Dictionary { get; set; }
}
``` |
| **Visual Basic** | ```
Public Property Dictionary As InArgument(Of IDictionary<TKey, TValue>)
    Get
    Set
``` |
| **Visual C++** | ```
public:
property InArgument<IDictionary<TKey, TValue>>^ Dictionary
    InArgument<IDictionary<TKey, TValue>>^ get;
    void set (InArgument<IDictionary<TKey, TValue>>);
``` |
See Also

ClearDictionary(TKey, TValue) Class
ClearDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Namespace
The DelayUntilDateTime activity will delay until the specified date and time if it is in the future.

**Namespace:** Microsoft.Activities.Extensions.Statements  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

<table>
<thead>
<tr>
<th></th>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>public sealed class DelayUntilDateTime : NativeActivity</td>
<td>Public NotInheritable Class DelayUntilDateTime _ Inherits NativeActivity</td>
<td>public ref class DelayUntilDateTime sealed : public !</td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

- `System.Object`
- `System.Activities.Activity`
- `System.Activities.NativeActivity`
- `Microsoft.Activities.Extensions.Statements.DelayUntilDateTime`
See Also

DelayUntilDateTime Members
Microsoft.Activities.Extensions.Statements Namespace
The `DelayUntilDateTime` type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>DelayUntilDateTime</code></td>
<td>Initializes a new instance of the <code>DelayUntilDateTime</code> class.</td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abort</td>
<td>When implemented in a derived class, takes actions in response to the activity being aborted. (Inherited from CacheMetadata(ActivityMetadata)) Not implemented. Use the CacheMetadata(NativeActivityMetadata) (Inherited from CacheMetadata(NativeActivityMetadata)) The cache metadata. (Overrides NativeActivity)</td>
</tr>
<tr>
<td>CacheMetadata(ActivityMetadata)</td>
<td></td>
</tr>
<tr>
<td>CacheMetadata(NativeActivityMetadata)</td>
<td></td>
</tr>
<tr>
<td>Cancel</td>
<td>When implemented in a derived class, runs logic to cause graceful early completion of the activity. (Inherited from Equals) Determines whether the specified current is equal to the specified object. (Inherited from Execute) The execute method. (Overrides NativeActivity)</td>
</tr>
<tr>
<td>Equals</td>
<td></td>
</tr>
<tr>
<td>Execute</td>
<td></td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows an other cleanup operations before the by garbage collection. (Inherited from GetHashCode) Serves as a hash function for a particular type. (Inherited from GetType) Gets the (Inherited from MemberwiseClone) Creates a shallow copy of the current (Inherited from OnCreateDynamicUpdateMap(UpdateMapMetadata, Activity)) (Inherited from OnCreateDynamicUpdateMap(NativeActivityUpdateMapMetadata, Activity)) (Inherited from ShouldSerializeDisplayName) Indicates whether the</td>
</tr>
<tr>
<td>GetHashCode</td>
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</tr>
<tr>
<td>GetType</td>
<td></td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td></td>
</tr>
<tr>
<td>OnCreateDynamicUpdateMap(UpdateMapMetadata, Activity)</td>
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<tr>
<td>OnCreateDynamicUpdateMap(NativeActivityUpdateMapMetadata, Activity)</td>
<td></td>
</tr>
<tr>
<td>ShouldSerializeDisplayName</td>
<td></td>
</tr>
<tr>
<td>Method</td>
<td></td>
</tr>
<tr>
<td>------------------------</td>
<td></td>
</tr>
<tr>
<td><strong>ToString</strong></td>
<td></td>
</tr>
<tr>
<td><strong>UpdateInstance</strong></td>
<td></td>
</tr>
</tbody>
</table>
### Properties

<table>
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<th>Name</th>
<th>Description</th>
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</thead>
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<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from <a href="#">Activity</a>.)</td>
</tr>
<tr>
<td>CanInduceIdle</td>
<td>Gets a value indicating whether CanInduceIdle. (Override NativeActivity.CanInduceIdle.)</td>
</tr>
<tr>
<td>Constraints</td>
<td>Gets a collection of <a href="#">Constraint</a> activities that can be configured to provide validation for the <a href="#">Activity</a>. (Inherited from Activity.)</td>
</tr>
<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from <a href="#">Activity</a>.)</td>
</tr>
<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from <a href="#">Activity</a>.)</td>
</tr>
<tr>
<td>Implementation</td>
<td>The execution logic of the activity. (Inherited from NativeActivity.)</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from NativeActivity.)</td>
</tr>
<tr>
<td>UntilDate</td>
<td>Gets or sets the specific date and time to wait until</td>
</tr>
</tbody>
</table>
See Also

DelayUntilDateTime Class
Microsoft.Activities.Extensions.Statements Namespace
Initializes a new instance of the `DelayUntilDateTime` class.

**Namespace:** Microsoft.Activities.Extensions.Statements  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
</tr>
<tr>
<td>public DelayUntilDateTime()</td>
<td></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td></td>
</tr>
<tr>
<td>Public Sub New</td>
<td></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td></td>
</tr>
<tr>
<td>public: DelayUntilDateTime()</td>
<td></td>
</tr>
</tbody>
</table>
See Also

DelayUntilDateTime Class
DelayUntilDateTime Members
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

DelayUntilDateTime Methods

DelayUntilDateTime Class  See Also  Send Feedback

The **DelayUntilDateTime** type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Abort</strong></td>
<td>When implemented in a derived class, takes actions in response to the activity being aborted.</td>
</tr>
<tr>
<td><strong>CacheMetadata(ActivityMetadata)</strong></td>
<td>(Inherited from CacheMetadata(ActivityMetadata)) Not implemented. Use the CacheMetadata(NativeActivityMetadata) (Inherited from CacheMetadata(NativeActivityMetadata)) The cache metadata.</td>
</tr>
<tr>
<td><strong>CacheMetadata(NativeActivityMetadata)</strong></td>
<td>(Inherited from CacheMetadata(NativeActivityMetadata))</td>
</tr>
<tr>
<td><strong>Cancel</strong></td>
<td>When implemented in a derived class, runs logic to cause graceful early completion of the activity.</td>
</tr>
<tr>
<td><strong>Equals</strong></td>
<td>(Inherited from Equals) Determines whether the specified current object is equal to the object specified by the index.</td>
</tr>
<tr>
<td><strong>Execute</strong></td>
<td>(Inherited from Execute) The execute method.</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>(Inherited from Finalize) Allows an other cleanup operations before the object is garbage collected.</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>(Inherited from GetHashCode) Serves as a hash function for a particular type.</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>(Inherited from GetType) Gets the type of the current instance.</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>(Inherited from MemberwiseClone) Creates a shallow copy of the current object.</td>
</tr>
<tr>
<td><strong>OnCreateDynamicUpdateMap(UpdateMapMetadata, Activity)</strong></td>
<td>(Inherited from OnCreateDynamicUpdateMap(UpdateMapMetadata, Activity))</td>
</tr>
<tr>
<td><strong>OnCreateDynamicUpdateMap(NativeActivityUpdateMapMetadata, Activity)</strong></td>
<td>(Inherited from OnCreateDynamicUpdateMap(NativeActivityUpdateMapMetadata, Activity))</td>
</tr>
</tbody>
</table>
| **ShouldSerializeDisplayName**                              | (Inherited from ShouldSerializeDisplayName) Indicates whether the display name of the activity should be serialized.
<table>
<thead>
<tr>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>ToString</code></td>
</tr>
<tr>
<td><code>UpdateInstance</code></td>
</tr>
</tbody>
</table>
See Also

DelayUntilDateTime Class
Microsoft.Activities.Extensions

DelayUntilDateTime.CacheMetadata Method

DelayUntilDateTime Class  See Also  Send Feedback
### Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="null" alt="CacheMetadata(ActivityMetadata)" /></td>
<td>Not implemented. Use the <img src="null" alt="CacheMetadata(NativeActivityMetadata)" /> (Inherited from <img src="null" alt="NativeActivity" />)</td>
</tr>
<tr>
<td><img src="null" alt="CacheMetadata(NativeActivityMetadata)" /></td>
<td>The cache metadata. (Overrides <img src="null" alt="NativeActivity.CacheMetadata" />)</td>
</tr>
</tbody>
</table>
See Also

DelayUntilDateTime Class
DelayUntilDateTime Members
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

DelayUntilDateTime.CacheMetadata Method (NativeActivityMetadata)

See Also Send Feedback

The cache metadata.

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
protected override void CacheMetadata(
    NativeActivityMetadata metadata)
```

**Visual Basic**

```vbnet
Protected Overrides Sub CacheMetadata (_
    metadata As NativeActivityMetadata _
)
```

**Visual C++**

```c++
protected:
virtual void CacheMetadata(
    NativeActivityMetadata metadata
) override
```

### Parameters

*metadata*

Type: `System.Activities.NativeActivityMetadata`

The metadata.
See Also

DelayUntilDateTime Class
DelayUntilDateTime Members
CacheMetadata Overload
Microsoft.Activities.Extensions.Statements Namespace
DelayUntilDateTime.Execute Method

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

**C#**

```csharp
protected override void Execute(NativeActivityContext context)
```

**Visual Basic**

```vbnet
Protected Overrides Sub Execute(_
    context As NativeActivityContext _
)
```

**Visual C++**

```cpp
protected:
    virtual void Execute(
    NativeActivityContext^ context
) override
```

## Parameters

`context`

Type: `System.Activities.NativeActivityContext`

The context.
See Also

DelayUntilDateTime Class
DelayUntilDateTime Members
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

DelayUntilDateTime Properties

DelayUntilDateTime Class  See Also  Send Feedback

The **DelayUntilDateTime** type exposes the following members.
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheId</td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from <a href="#">Activity</a>.)</td>
</tr>
<tr>
<td>CanInduceIdle</td>
<td>Gets a value indicating whether CanInduceIdle. (Overrides <a href="#">NativeActivity.CanInduceIdle</a>.)</td>
</tr>
<tr>
<td>Constraints</td>
<td>Gets a collection of <a href="#">Constraint</a> activities that can be configured to provide validation for the <a href="#">Activity</a>. (Inherited from <a href="#">Activity</a>.)</td>
</tr>
<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from <a href="#">Activity</a>.)</td>
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<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from <a href="#">Activity</a>.)</td>
</tr>
<tr>
<td>Implementation</td>
<td>The execution logic of the activity. (Inherited from <a href="#">NativeActivity</a>.)</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from <a href="#">NativeActivity</a>.)</td>
</tr>
<tr>
<td>UntilDate</td>
<td>Gets or sets the specific date and time to wait until</td>
</tr>
</tbody>
</table>
See Also

DelayUntilDateTime Class
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

DelayUntilDateTime.CanInduceIdle Property

Gets a value indicating whether CanInduceIdle.

**Namespace:** Microsoft.Activities.Extensions.Statements

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
protected override bool CanInduceIdle { get; }
```

### Visual Basic

```vbnet
Protected Overrides ReadOnly Property CanInduceIdle As Get
```

### Visual C++

```cpp
protected:
virtual property bool CanInduceIdle {
    bool get () override;
}
```
See Also

DelayUntilDateTime Class
DelayUntilDateTime Members
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

DelayUntilDateTime.UntilDate Property

Gets or sets the specific date and time to wait until

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
</table>
| **C#**  | ```
public InArgument<DateTime> UntilDate { get; set; }
``` |
| **Visual Basic** | ```
Public Property UntilDate As InArgument(Of DateTime)
    Get
    Set
``` |
| **Visual C++** | ```
public:
    property InArgument<DateTime>^ UntilDate { 
        InArgument<DateTime>^ get (); 
        void set (InArgument<DateTime>^ value); 
    }
``` |
Remarks

If the date and time is in the past, the activity will not delay
See Also

DelayUntilDateTime Class
DelayUntilDateTime Members
Microsoft.Activities.Extensions.Statements Statements Namespace
Microsoft.Activities.Extensions

DelayUntilTime Class

Members  See Also  Send Feedback

The DelayUntilTime activity

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public sealed class DelayUntilTime : NativeActivity
```

### Visual Basic

```vbnet
Public NotInheritable Class DelayUntilTime
    Inherits NativeActivity
```

### Visual C++

```cpp
public ref class DelayUntilTime sealed : public NativeActivity
```
Remarks

An activity that will delay until the next occurrence of a time on an allowed day. If no days of the week are specified, any day is allowed.
Inheritance Hierarchy

- System.Object
- System.Activities.Activity
- System.Activities.NativeActivity
See Also

DelayUntilTime Members
Microsoft.Activities.Extensions.Statements Namespace
The **DelayUntilTime** type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DelayUntilTime</td>
<td>Initializes a new instance of the DelayUntilTime class.</td>
</tr>
</tbody>
</table>
### Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Abort</strong></td>
<td>When implemented in a derived class, takes actions in response to the activity being aborted.</td>
</tr>
<tr>
<td><strong>CacheMetadata(ActivityMetadata)</strong></td>
<td>Takes actions in response to the activity being aborted.</td>
</tr>
<tr>
<td><strong>CacheMetadata(NativeActivityMetadata)</strong></td>
<td>Takes actions in response to the activity being aborted.</td>
</tr>
<tr>
<td><strong>Cancel</strong></td>
<td>When implemented in a derived class, runs logic to cause graceful early completion of the activity.</td>
</tr>
<tr>
<td><strong>Equals</strong></td>
<td>Determines whether the specified object is equal to the current object.</td>
</tr>
<tr>
<td><strong>Execute</strong></td>
<td>The execute.</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows other cleanup operations before the object is reclaimed by garbage collection.</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Serves as a hash function for a particular type.</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the type of the current object.</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current object.</td>
</tr>
<tr>
<td><strong>OnCreateDynamicUpdateMap(UpdateMapMetadata, Activity)</strong></td>
<td>(Inherited from CacheMetadata)</td>
</tr>
<tr>
<td><strong>OnCreateDynamicUpdateMap(NativeActivityUpdateMapMetadata, Activity)</strong></td>
<td>(Inherited from CacheMetadata)</td>
</tr>
<tr>
<td><strong>ShouldSerializeDisplayName</strong></td>
<td>Indicates whether the component should serialize its display name.</td>
</tr>
<tr>
<td>Method</td>
<td></td>
</tr>
<tr>
<td>-----------------</td>
<td></td>
</tr>
<tr>
<td><code>ToString</code></td>
<td></td>
</tr>
<tr>
<td><code>UpdateInstance</code></td>
<td></td>
</tr>
</tbody>
</table>
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheId</td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>CanInduceIdle</td>
<td>Gets a value indicating whether CanInduceIdle. (Overrides NativeActivity.CanInduceIdle.)</td>
</tr>
<tr>
<td>Constraints</td>
<td>Gets a collection of Constraint activities that can be configured to provide validation for the Activity. (Inherited from Activity.)</td>
</tr>
<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Implementation</td>
<td>The execution logic of the activity. (Inherited from NativeActivity.)</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from NativeActivity.)</td>
</tr>
<tr>
<td>OccurenceDays</td>
<td>Gets or sets OccurenceDays</td>
</tr>
<tr>
<td>Time</td>
<td>Gets or sets the Time to wait until</td>
</tr>
</tbody>
</table>
See Also

DelayUntilTime Class
Microsoft.Activities.Extensions.Statements Namespace
Initializes a new instance of the DelayUntilTime class.

**Namespace:** Microsoft.Activities.Extensions.Statements

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
<th>C#</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><code>public DelayUntilTime()</code></td>
</tr>
<tr>
<td>Visual Basic</td>
<td></td>
</tr>
<tr>
<td></td>
<td><code>Public Sub New</code></td>
</tr>
<tr>
<td>Visual C++</td>
<td></td>
</tr>
<tr>
<td></td>
<td><code>public: DelayUntilTime()</code></td>
</tr>
</tbody>
</table>
See Also

DelayUntilTime Class
DelayUntilTime Members
Microsoft.Activities.Extensions.Statements Statements Namespace
The **DelayUntilTime** type exposes the following members.
# Methods

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<tbody>
<tr>
<td>Abort</td>
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<td>CacheMetadata(ActivityMetadata)</td>
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<tr>
<td>CacheMetadata(NativeActivityMetadata)</td>
<td></td>
</tr>
<tr>
<td>Cancel</td>
<td>When implemented in a derived class, runs logic to cause graceful early completion of the activity. (Inherited from Equals) Determines whether the specified current equals the current. (Inherited from Execute) The execute. (Overrides NativeActivity)</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows other cleanup operations before the activity is disposed by garbage collection. (Inherited from GetHashCode) Serves as a hash function for a particular type. (Inherited from GetType) Gets the type. (Inherited from MemberwiseClone) Creates a shallow copy of the current object. (Inherited from OnCreateDynamicUpdateMap(UpdateMapMetadata, Activity)) (Inherited from OnCreateDynamicUpdateMap(NativeActivityUpdateMapMetadata, Activity)) (Inherited from ShouldSerializeDisplayName) Indicates whether the display name should be serialized.</td>
</tr>
<tr>
<td>GetHashCode</td>
<td></td>
</tr>
<tr>
<td>GetType</td>
<td></td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td></td>
</tr>
<tr>
<td>OnCreateDynamicUpdateMap(UpdateMapMetadata, Activity)</td>
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<tr>
<td>OnCreateDynamicUpdateMap(NativeActivityUpdateMapMetadata, Activity)</td>
<td></td>
</tr>
<tr>
<td>ShouldSerializeDisplayName</td>
<td></td>
</tr>
</tbody>
</table>
ToString

UpdateInstance
See Also

DelayUntilTime Class
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

**DelayUntilTime.CacheMetadata Method**

[DelayUntilTime Class][See Also][Send Feedback]
## Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheMetadata(ActivityMetadata)</td>
<td>Not implemented. Use the CacheMetadata(NativeActivityMetadata) (Inherited from NativeActivity.)</td>
</tr>
<tr>
<td>CacheMetadata(NativeActivityMetadata)</td>
<td>The cache metadata. (Overrides NativeActivity.CacheMetadata)</td>
</tr>
</tbody>
</table>
See Also

DelayUntilTime Class
DelayUntilTime Members
Microsoft.Activities.Extensions

DelayUntilTime.CacheMetadata Method (NativeActivityMetadata)

DelayUntilTime Class See Also Send Feedback

The cache metadata.

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
protected override void CacheMetadata(
    NativeActivityMetadata metadata)
```

Visual Basic

```vbnet
Protected Overrides Sub CacheMetadata (_
    metadata As NativeActivityMetadata _
)
```

Visual C++

```cpp
protected:
virtual void CacheMetadata(
    NativeActivityMetadata metadata
) override
```

Parameters

`metadata`
Type: `System.Activities.NativeActivityMetadata`
The metadata.
See Also

DelayUntilTime Class
DelayUntilTime Members
CacheMetadata Overload
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

DelayUntilTime.Execute Method

DelayUntilTime Class See Also Send Feedback

The execute.

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

### C#

```csharp
protected override void Execute(
    NativeActivityContext context
)
```

### Visual Basic

```vb
Protected Overrides Sub Execute (_
    context As NativeActivityContext _
)
```

### Visual C++

```cpp
protected:
    virtual void Execute(
        NativeActivityContext^ context
    ) override
```

**Parameters**

- `context`
  
  Type: `System.Activities.NativeActivityContext`
  
  The context.
See Also

DelayUntilTime Class
DelayUntilTime Members
Microsoft.Activities.Extensions

**DelayUntilTime Properties**

[DelayUntilTime Class][1] [See Also][2] [Send Feedback][3]

The [DelayUntilTime][4] type exposes the following members.

[1]: #DelayUntilTime Class
[2]: #See Also
[3]: #Send Feedback
[4]: #DelayUntilTime
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheId</td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>CanInduceIdle</td>
<td>Gets a value indicating whether CanInduceIdle. (Overrides NativeActivity.CanInduceIdle.)</td>
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<tr>
<td>Constraints</td>
<td>Gets a collection of Constraint activities that can be configured to provide validation for the Activity. (Inherited from Activity.)</td>
</tr>
<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Implementation</td>
<td>The execution logic of the activity. (Inherited from NativeActivity.)</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from NativeActivity.)</td>
</tr>
<tr>
<td>OccurenceDays</td>
<td>Gets or sets OccurenceDays</td>
</tr>
<tr>
<td>Time</td>
<td>Gets or sets the Time to wait until</td>
</tr>
</tbody>
</table>

---
See Also

DelayUntilTime Class
Microsoft.Activities.Extensions.Statements Namespace
Gets a value indicating whether CanInduceIdle.

**Namespace:** [Microsoft.Activities.Extensions.Statements](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
protected override bool CanInduceIdle { get; }
```

**Visual Basic**

```vbnet
Protected Overrides ReadOnly Property CanInduceIdle As Get
```

**Visual C++**

```cpp
protected:
virtual property bool CanInduceIdle {
    bool get () override;
}
```
See Also

DelayUntilTime Class
DelayUntilTime Members
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

DelayUntilTime.OccurrenceDays Property

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Gets or sets OccurrenceDays
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public <code>List&lt;DayOfWeek&gt;</code> OccurrenceDays { get; set; }</td>
</tr>
</tbody>
</table>
| **Visual Basic** | Public Property OccurrenceDays As `List(Of DayOfWeek)`
  Get
  Set |
| **Visual C++** | public:
  property `List<DayOfWeek>^ OccurrenceDays {
    `List<DayOfWeek>^` get ()
  
  void set (`List<DayOfWeek>^` value); |


Remarks

The list of days where you want the event to occur
See Also

DelayUntilTime Class
DelayUntilTime Members
Microsoft.Activities.Extensions.Statements Statements Namespace
Microsoft.Activities.Extensions

DelayUntilTime.Time Property

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Gets or sets the Time to wait until
<table>
<thead>
<tr>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
</tr>
<tr>
<td>public <code>InArgument&lt;TimeSpan&gt;</code> Time { get; set; }</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
</tr>
<tr>
<td>Public Property Time As <code>InArgument(Of TimeSpan)</code> Get Set</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
</tr>
</tbody>
</table>
| public:
| property `InArgument<TimeSpan>`^ Time { `InArgument<TimeSpan>`^ get (); void set (`InArgument<TimeSpan>`^ value); } |
See Also

DelayUntilTime Class
DelayUntilTime Members
GetFromDictionary(TKey, TValue) Class

The GetFromDictionary activity will add a key value pair to a dictionary.

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public sealed class GetFromDictionary&lt;TKey, TValue&gt;</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public NotInheritable Class GetFromDictionary(Of TKey) Inherits CodeActivity(Of Boolean)</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>generic&lt;typename TKey, typename TValue&gt; public ref class GetFromDictionary sealed : public CodeActivity</code></td>
</tr>
</tbody>
</table>
Type Parameters

*TKey*
Type of the key

*TValue*
Type of the value
Inheritance Hierarchy

System.Object
System.Activities.Activity
System.Activities.ActivityWithResult
System.Activities.Activity(Boolean)
System.Activities.CodeActivity(Boolean)
See Also

GetFromDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

GetFromDictionary(TKey, TValue) Members

GetFromDictionary(TKey, TValue) Class  Constructors  Methods  Properties  See Also  Send Feedback

The GetFromDictionary(TKey, TValue) type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GetFromDictionary(TKey, TValue)</code></td>
<td>Initializes a new instance of the <code>GetFromDictionary(TKey, TValue)</code> class</td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>CacheMetadata(ActivityMetadata)</code></td>
<td>Not implemented. Use <code>CacheMetadata(CodeActivityMetadata)</code></td>
</tr>
<tr>
<td></td>
<td>(Inherited from <code>CodeActivity</code> (Boolean).)</td>
</tr>
<tr>
<td><code>CacheMetadata(CodeActivityMetadata)</code></td>
<td>Creates and validates a description of arguments, variables, child activities, and activity delegates.</td>
</tr>
<tr>
<td></td>
<td>(Inherited from <code>CodeActivity</code> (Boolean).)</td>
</tr>
<tr>
<td><code>Equals</code></td>
<td>Determines whether the specified current <code>Object</code>.</td>
</tr>
<tr>
<td></td>
<td>(Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><code>Execute</code></td>
<td>The execute. (Overrides <code>CodeActivity(TResult).Execute(TResult).</code>)</td>
</tr>
<tr>
<td><code>Finalize</code></td>
<td>Allows an <code>Object</code> to attempt to free resources and perform other cleanup operations before the object is reclaimed by garbage collection.</td>
</tr>
<tr>
<td></td>
<td>(Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><code>GetHashCode</code></td>
<td>Serves as a hash function for a particular type.</td>
</tr>
<tr>
<td></td>
<td>(Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><code>GetType</code></td>
<td>Gets the <code>Type</code> of the current instance.</td>
</tr>
<tr>
<td></td>
<td>(Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><code>MemberwiseClone</code></td>
<td>Creates a shallow copy of the current instance.</td>
</tr>
<tr>
<td></td>
<td>(Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><code>OnCreateDynamicUpdateMap</code></td>
<td>(Inherited from <code>CodeActivity(Boolean).</code>).</td>
</tr>
<tr>
<td><code>ShouldSerializeDisplayName</code></td>
<td>Indicates whether the <code>DisplayName</code> serialized.</td>
</tr>
<tr>
<td></td>
<td>(Inherited from <code>Activity</code>).</td>
</tr>
<tr>
<td><code>ToString</code></td>
<td>Returns a <code>String</code> that contains the name of the <code>Activity</code>.</td>
</tr>
<tr>
<td></td>
<td>(Inherited from <code>Activity</code>).</td>
</tr>
</tbody>
</table>
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheId</td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from <code>Activity</code>.)</td>
</tr>
<tr>
<td>Constraints</td>
<td>Gets a collection of <code>Constraint</code> activities that can be configured to provide validation for the <code>Activity</code>. (Inherited from <code>Activity</code>.)</td>
</tr>
<tr>
<td>Dictionary</td>
<td>Gets or sets Dictionary.</td>
</tr>
<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from <code>Activity</code>.)</td>
</tr>
<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from <code>Activity</code>.)</td>
</tr>
<tr>
<td>Implementation</td>
<td>Not supported. (Inherited from <code>CodeActivity(Boolean)</code>.)</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from <code>CodeActivity(Boolean)</code>.)</td>
</tr>
<tr>
<td>Key</td>
<td>Gets or sets Key.</td>
</tr>
<tr>
<td>Result</td>
<td>Gets or sets the result argument for the <code>Activity&lt;TResult&gt;</code>. (Inherited from <code>Activity(Boolean)</code>.)</td>
</tr>
<tr>
<td>ResultType</td>
<td>When implemented in a derived class, gets the type of an activity <code>OutArgument</code>. (Inherited from <code>ActivityWithResult</code>.)</td>
</tr>
<tr>
<td>Value</td>
<td>Gets or sets Value.</td>
</tr>
</tbody>
</table>
See Also

GetFromDictionary(TKey, TValue) Class
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

GetFromDictionary(TKey, TValue) Constructor

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Initializes a new instance of the GetFromDictionary(TKey, TValue) class
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public GetFromDictionary()</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Sub New</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public: GetFromDictionary()</code></td>
</tr>
</tbody>
</table>
See Also

GetFromDictionary(TKey, TValue) Class
GetFromDictionary(TKey, TValue) Members
GetFromDictionary\(TKey, TValue\) Methods

The `GetFromDictionary(TKey, TValue)` type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheMetadata(ActivityMetadata)</td>
<td>Not implemented. Use CacheMetadata(CodeActivityMetadata). (Inherited from CodeActivity(Boolean).)</td>
</tr>
<tr>
<td>CacheMetadata(CodeActivityMetadata)</td>
<td>Creates and validates a description of the activity's arguments, variables, child activities, and activity delegates. (Inherited from CodeActivity(Boolean).)</td>
</tr>
<tr>
<td>Equals</td>
<td>Determines whether the specified object is equal to the current Object. (Inherited from Object.</td>
</tr>
<tr>
<td>Execute</td>
<td>The execute. (Overrides CodeActivity&lt;TResult).Execute(TResult).)</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before being reclaimed by garbage collection. (Inherited from Object.</td>
</tr>
<tr>
<td>GetHashCode</td>
<td>Serves as a hash function for a particular Object. (Inherited from Object.</td>
</tr>
<tr>
<td>GetType</td>
<td>Gets the Type of the current instance. (Inherited from Object.</td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td>Creates a shallow copy of the current Object. (Inherited from Object.</td>
</tr>
<tr>
<td>OnCreateDynamicUpdateMap</td>
<td>(Inherited from CodeActivity(Boolean).)</td>
</tr>
<tr>
<td>ShouldSerializeDisplayName</td>
<td>Indicates whether the DisplayName of the current instance is serialized. (Inherited from Activity.</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a String that contains the name of the Activity. (Inherited from Activity.</td>
</tr>
</tbody>
</table>
See Also

GetFromDictionary(TKey, TValue) Class
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

GetFromDictionary(TKey, TValue).Execute Method

GetFromDictionary(TKey, TValue) Class See Also Send Feedback

The execute.

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
protected override bool Execute(
    CodeActivityContext context
)
```

#### Visual Basic

```vbnet
Protected Overrides Function Execute( _
    context As CodeActivityContext _
) As Boolean
```

#### Visual C++

```cpp
protected:
    virtual bool Execute(
        CodeActivityContext^ context
    ) override
```

### Parameters

**context**

- **Type:** `System.Activities.CodeActivityContext`
- The context.

### Return Value

True if the value was found, false if not
### Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>System.InvalidOperationException</td>
<td>Dictionary is null</td>
</tr>
</tbody>
</table>
See Also

GetFromDictionary(TKey, TValue) Class
GetFromDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

GetFromDictionary(TKey, TValue) Properties

GetFromDictionary(TKey, TValue) Class See Also Send Feedback

The GetFromDictionary(TKey, TValue) type exposes the following members.
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheId</td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Constraints</td>
<td>Gets a collection of Constraint activities that can be configured to provide validation for the Activity. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Dictionary</td>
<td>Gets or sets Dictionary.</td>
</tr>
<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Implementation</td>
<td>Not supported. (Inherited from CodeActivity(Boolean).)</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from CodeActivity(Boolean).)</td>
</tr>
<tr>
<td>Key</td>
<td>Gets or sets Key.</td>
</tr>
<tr>
<td>Result</td>
<td>Gets or sets the result argument for the Activity&lt;TResult&gt;. (Inherited from Activity(Boolean).)</td>
</tr>
<tr>
<td>ResultType</td>
<td>When implemented in a derived class, gets the type of an activity OutArgument. (Inherited from ActivityWithResult.)</td>
</tr>
<tr>
<td>Value</td>
<td>Gets or sets Value.</td>
</tr>
</tbody>
</table>
See Also

GetFromDictionary(TKey, TValue) Class
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

GetFromDictionary(TKey, TValue).Dictionary Property

Gets or sets Dictionary.

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>C#</td>
<td>public InArgument&lt;IDictionary&lt;TKey, TValue&gt;&gt; Dictionary</td>
</tr>
<tr>
<td>Visual Basic</td>
<td>Public Property Dictionary As InArgument(Of IDictionary&lt;TKey, TValue&gt;) Get Set</td>
</tr>
<tr>
<td>Visual C++</td>
<td>public: property InArgument&lt;IDictionary&lt;TKey, TValue&gt;^&gt;^ Dictionary InArgument&lt;IDictionary&lt;TKey, TValue&gt;^&gt;^ get void set (InArgument&lt;IDictionary&lt;TKey, TValue&gt;^&gt;^)</td>
</tr>
</tbody>
</table>
See Also

GetFromDictionary(TKey, TValue) Class
GetFromDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Statements Namespace
Gets or sets Key.

**Namespace:** [Microsoft.Activities.Extensions.Statements](https://msdn.microsoft.com)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public InArgument&lt;TKey&gt; Key { get; set; }</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Property Key As InArgument(Of TKey) Get Set</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public: property InArgument&lt;TKey&gt;^ Key { InArgument&lt;TKey&gt;^ get (); void set (InArgument&lt;TKey&gt;^ value); }</code></td>
</tr>
</tbody>
</table>
See Also

GetFromDictionary(TKey, TValue) Class
GetFromDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

GetFromDictionary(TKey, TValue).Value Property

Gets or sets Value.

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public OutArgument<TValue> Value { get; set; }
```

### Visual Basic

```vbnet
Public Property Value As OutArgument(Of TValue)
    Get
        Get
    End Get
    Set
        Set
    End Set
End Property
```

### Visual C++

```cpp
public:
    property OutArgument<TValue>^ Value {
        OutArgument<TValue>^ get ();
        void set (OutArgument<TValue>^ value);
    }
```
See Also

GetFromDictionary(TKey, TValue) Class
GetFromDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Namespace
Activity that returns the workflow instance ID

**Namespace:** Microsoft.Activities.Extensions.Statements

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>public sealed class GetInstanceId : CodeActivity&lt;Guid&gt;</code></td>
<td><code>Public NotInheritable Class GetInstanceId _ Inherits CodeActivity(Of Guid)</code></td>
<td><code>public ref class GetInstanceId sealed : public CodeActivity&lt;Guid&gt;</code></td>
</tr>
</tbody>
</table>
**Inheritance Hierarchy**

- `System.Object`
- `System.Activities.Activity`
- `System.Activities.ActivityWithResult`
- `System.Activities.Activity(Guid)`
- `System.Activities.CodeActivity(Guid)`
See Also

GetInstanceId Members
Microsoft.Activities.Extensions.Statements Namespace
The `GetInstanceId` type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GetInstanceId</code></td>
<td>Initializes a new instance of the <code>GetInstanceId</code> class</td>
</tr>
</tbody>
</table>
# Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>CacheMetadata(ActivityMetadata)</code></td>
<td>Not implemented. Use <code>CacheMetadata(CodeActivityMetadata)</code></td>
</tr>
<tr>
<td></td>
<td>(Inherited from <code>CodeActivity(Guid)</code>).</td>
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<tr>
<td><code>CacheMetadata(CodeActivityMetadata)</code></td>
<td>Creates and validates a description of the activity's arguments, variables,</td>
</tr>
<tr>
<td></td>
<td>child activities, and activity delegates.</td>
</tr>
<tr>
<td></td>
<td>(Inherited from <code>CodeActivity(Guid)</code>).</td>
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<tr>
<td><code>Equals</code></td>
<td>Determines whether the specified object is equal to the current object.</td>
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<td></td>
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<td><code>Finalize</code></td>
<td>Allows an <code>Object</code> to attempt to free resources and perform other cleanup</td>
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<td><code>GetType</code></td>
<td>Gets the <code>Type</code> of the current instance. (Inherited from <code>Object</code>).</td>
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<tr>
<td><code>MemberwiseClone</code></td>
<td>Creates a shallow copy of the current object. (Inherited from <code>Object</code>).</td>
</tr>
<tr>
<td></td>
<td>(Inherited from <code>Object</code>).</td>
</tr>
<tr>
<td><code>OnCreateDynamicUpdateMap</code></td>
<td>(Inherited from <code>CodeActivity(Guid)</code>).</td>
</tr>
<tr>
<td><code>ShouldSerializeDisplayName</code></td>
<td>Indicates whether the <code>DisplayName</code> property should be serialized. (Inherited</td>
</tr>
<tr>
<td></td>
<td>from <code>Activity</code>).</td>
</tr>
<tr>
<td><code>ToString</code></td>
<td>Returns a <code>String</code> that contains the display name of the activity. (Inherited</td>
</tr>
<tr>
<td></td>
<td>from <code>Activity</code>).</td>
</tr>
</tbody>
</table>
## Properties

<table>
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<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheId</td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from <a href="#">Activity</a>).</td>
</tr>
<tr>
<td>Constraints</td>
<td>Gets a collection of <a href="#">Constraint</a> activities that can be configured to provide validation for the <a href="#">Activity</a>. (Inherited from <a href="#">Activity</a>).</td>
</tr>
<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from <a href="#">Activity</a>).</td>
</tr>
<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from <a href="#">Activity</a>).</td>
</tr>
<tr>
<td>Implementation</td>
<td>Not supported. (Inherited from <a href="#">CodeActivity(Guid)</a>.)</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from <a href="#">CodeActivity(Guid)</a>.)</td>
</tr>
<tr>
<td>Result</td>
<td>Gets or sets the result argument for the <a href="#">Activity(TResult)</a>. (Inherited from <a href="#">Activity(Guid)</a>).</td>
</tr>
<tr>
<td>ResultType</td>
<td>When implemented in a derived class, gets the type of an activity <a href="#">OutArgument</a>. (Inherited from <a href="#">ActivityWithResult</a>).</td>
</tr>
</tbody>
</table>
See Also

GetInstanceId Class
Microsoft.Activities.Extensions.Statements Namespace
Initializes a new instance of the `GetInstanceId` class

**Namespace:** [Microsoft.Activities.Extensions.Statements](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th></th>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td>C#</td>
<td><code>public GetInstanceId()</code></td>
</tr>
<tr>
<td>VB</td>
<td><code>Public Sub New</code></td>
</tr>
<tr>
<td>C++</td>
<td><code>public: GetInstanceId()</code></td>
</tr>
</tbody>
</table>
See Also

GetInstanceId Class
GetInstanceId Members
The **GetInstanceId** type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CacheMetadata(ActivityMetadata)</strong></td>
<td>Not implemented. Use <strong>CacheMetadata(CodeActivityMetadata)</strong> (Inherited from <strong>CodeActivity(Guid)</strong>)</td>
</tr>
<tr>
<td><strong>CacheMetadata(CodeActivityMetadata)</strong></td>
<td>Creates and validates a description of the activity's arguments, variables, child activities, and activity delegates. <strong>(Inherited from CodeActivity(Guid)</strong>)</td>
</tr>
<tr>
<td><strong>Equals</strong></td>
<td>Determines whether the specified object is equal to the specified <strong>Object</strong>. <strong>(Inherited from Object)</strong></td>
</tr>
<tr>
<td><strong>Execute</strong></td>
<td>Execute the activity <strong>(Overrides CodeActivity&lt;TResult&gt;.Execute(TResult)</strong>)</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows an <strong>Object</strong> to attempt to free resources and perform other cleanup operations before the object is reclaimed by garbage collection. <strong>(Inherited from Object)</strong></td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Serves as a hash function for a particular type. <strong>(Inherited from Object)</strong></td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the <strong>Type</strong> of the current instance. <strong>(Inherited from Object)</strong></td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current <strong>Object</strong>. <strong>(Inherited from Object)</strong></td>
</tr>
<tr>
<td><strong>OnCreateDynamicUpdateMap</strong></td>
<td><strong>(Inherited from CodeActivity(Guid)</strong>)</td>
</tr>
<tr>
<td><strong>ShouldSerializeDisplayName</strong></td>
<td>Indicates whether the <strong>DisplayName</strong> of the activity should be serialized. <strong>(Inherited from Activity)</strong></td>
</tr>
<tr>
<td><strong>ToString</strong></td>
<td>Returns a <strong>String</strong> that contains the display name of the activity. <strong>(Inherited from Activity)</strong></td>
</tr>
</tbody>
</table>
See Also

GetInstanceId Class
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

GetInstanceId.Execute Method

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
# Syntax

## C#

```csharp
protected override Guid Execute(
    CodeActivityContext context
)
```

## Visual Basic

```vbnet
Protected Overrides Function Execute (_
    context As CodeActivityContext _
) As Guid
```

## Visual C++

```cpp
protected:
    virtual Guid Execute(
        CodeActivityContext^ context
    ) override
```

# Parameters

- **context**
  - Type: `System.Activities.CodeActivityContext`
  

# Return Value

The instance ID
See Also

GetInstanceId Class
GetInstanceId Members
Microsoft.Activities.Extensions.Statements Namespace
The `GetInstanceId` type exposes the following members.
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheId</td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Constraints</td>
<td>Gets a collection of Constraint activities that can be configured to provide validation for the Activity. (Inherited from Activity.)</td>
</tr>
<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Implementation</td>
<td>Not supported. (Inherited from CodeActivity(Guid).)</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from CodeActivity(Guid).)</td>
</tr>
<tr>
<td>Result</td>
<td>Gets or sets the result argument for the Activity&lt;TResult). (Inherited from Activity(Guid).)</td>
</tr>
<tr>
<td>ResultType</td>
<td>When implemented in a derived class, gets the type of an activity OutArgument. (Inherited from ActivityWithResult.)</td>
</tr>
</tbody>
</table>
See Also

GetInstanceId Class
Microsoft.Activities.Extensions.Statements Namespace
InvokeWorkflow Class

Activity that invokes another workflow using WorkflowInvoker

**Namespace:** [Microsoft.Activities.Extensions.Statements](https://docs.microsoft.com/en-us/dotnet/api/microsoft.activities.extensions.statements)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public sealed class InvokeWorkflow : AsyncCodeActivity</code></td>
</tr>
</tbody>
</table>
| **Visual Basic** | `Public NotInheritable Class InvokeWorkflow _
Inherits AsyncCodeActivity(Of IDictionary(Of)` |
| **Visual C++** | `public ref class InvokeWorkflow sealed : public AsyncCodeActivity` |
Remarks

The other workflow is subject to the rules of WorkflowInvoker (no bookmarks). The activity will invoke the other workflow and wait for it to complete before returning. Persistence is not allowed while the other workflow is invoked.
Inheritance Hierarchy

System.Object
System.Activities.Activity
System.Activities.ActivityWithResult
System.Activities.Activity(IDictionary(String, Object))
System.Activities.AsyncCodeActivity(IDictionary(String, Object))
See Also

InvokeWorkflow Members

Microsoft.Activities.Extensions.Statements Namespace
The `InvokeWorkflow` type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvokeWorkflow</td>
<td>Initializes a new instance of the <code>InvokeWorkflow</code> class</td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BeginExecute</strong></td>
<td>The begin execute. (Overrides AsyncCodeActivity&lt;TResult&gt;.BeginExecuteAsyncCallback, Object.)</td>
</tr>
<tr>
<td><strong>CacheMetadata(ActivityMetadata)</strong></td>
<td>Throws an invalid operation exception when the wrong cache metadata is included in the assembly. (Inherited from AsyncCodeActivity.)</td>
</tr>
<tr>
<td><strong>CacheMetadata(CodeActivityMetadata)</strong></td>
<td>Serves as a virtual method and converts information obtained by reflection on a cache into arguments for an asynchronous activity. (Inherited from AsyncCodeActivity.)</td>
</tr>
<tr>
<td><strong>Cancel</strong></td>
<td>When implemented in a derived class and using the specified execution environment information, notifies the workflow runtime that the asynchronous activity operation has been canceled. This method serves as a virtual method. (Inherited from AsyncCodeActivity.)</td>
</tr>
<tr>
<td><strong>EndExecute</strong></td>
<td>The end execute. (Overrides AsyncCodeActivity&lt;TResult&gt;.EndExecuteAsyncActivityContext, IAsyncResult.)</td>
</tr>
<tr>
<td><strong>Equals</strong></td>
<td>Determines whether the specified object is equal to the current object. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Serves as a hash function for a particular type. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the Type of the current instance. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current object. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>OnCreateDynamicUpdateMap</strong></td>
<td>(Inherited from AsyncCodeActivity.)</td>
</tr>
<tr>
<td><strong>ShouldSerializeDisplayName</strong></td>
<td>Indicates whether the DisplayName should be serialized.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------</td>
</tr>
<tr>
<td><strong>ToString</strong></td>
<td>Returns a <strong>String</strong> that contains the (Inherited from <strong>Activity</strong>.)</td>
</tr>
</tbody>
</table>
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Activity</strong></td>
<td>Gets or sets Activity.</td>
</tr>
<tr>
<td><strong>CacheId</strong></td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from <strong>Activity</strong>.)</td>
</tr>
<tr>
<td><strong>Constraints</strong></td>
<td>Gets a collection of <strong>Constraint</strong> activities that can be configured to provide validation for the <strong>Activity</strong>. (Inherited from <strong>Activity</strong>.)</td>
</tr>
<tr>
<td><strong>DisplayName</strong></td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from <strong>Activity</strong>.)</td>
</tr>
<tr>
<td><strong>Extensions</strong></td>
<td>Gets or sets Extensions</td>
</tr>
<tr>
<td><strong>Id</strong></td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from <strong>Activity</strong>.)</td>
</tr>
<tr>
<td><strong>Implementation</strong></td>
<td>Gets null or throws an error when there is an attempt to set the value of this property. (Inherited from <strong>AsyncCodeActivity(IDictionary(String, Object))</strong>.)</td>
</tr>
<tr>
<td><strong>ImplementationVersion</strong></td>
<td>(Inherited from <strong>AsyncCodeActivity(IDictionary(String, Object))</strong>.)</td>
</tr>
<tr>
<td><strong>Input</strong></td>
<td>Gets or sets Input.</td>
</tr>
<tr>
<td><strong>Result</strong></td>
<td>Gets or sets the result argument for the <strong>Activity</strong>(TResult). (Inherited from <strong>Activity(IDictionary(String, Object))</strong>.)</td>
</tr>
<tr>
<td><strong>ResultType</strong></td>
<td>When implemented in a derived class, gets the type of an activity</td>
</tr>
</tbody>
</table>
| | OutArgument.  
(Inherited from ActivityWithResult.) |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Timeout</strong></td>
<td>Gets or sets Timeout.</td>
</tr>
</tbody>
</table>
See Also

InvokeWorkflow Class
Microsoft.Activities.Extensions.Statements Namespace
Initializes a new instance of the `InvokeWorkflow` class

**Namespace**: Microsoft.Activities.Extensions.Statements

**Assembly**: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public InvokeWorkflow()</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Sub New</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public: InvokeWorkflow()</code></td>
</tr>
</tbody>
</table>
See Also

InvokeWorkflow Class
InvokeWorkflow Members
Microsoft.Activities.Extensions.Statements.States Namespace
Microsoft.Activities.Extensions

InvokeWorkflow Methods

InvokeWorkflow Class See Also Send Feedback

The InvokeWorkflow type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CacheMetadata(ActivityMetadata)</strong></td>
<td>Throws an invalid operation exception if the wrong cache metadata is included in the assembly. (Inherited from AsyncCodeActivity)</td>
</tr>
<tr>
<td><strong>CacheMetadata(CodeActivityMetadata)</strong></td>
<td>Serves as a virtual method and converts information obtained by reflection on a cache into arguments for an asynchronous activity. (Inherited from AsyncCodeActivity)</td>
</tr>
<tr>
<td><strong>Cancel</strong></td>
<td>When implemented in a derived class and using the specified execution environment information, notifies the workflow runtime that the asynchronous activity operation has been canceled. This method serves as a virtual method. (Inherited from AsyncCodeActivity)</td>
</tr>
<tr>
<td><strong>EndExecute</strong></td>
<td>The end execute. (Overrrides AsyncCodeActivity(TResult).EndExecute(IAsyncResult).)</td>
</tr>
<tr>
<td><strong>Equals</strong></td>
<td>Determines whether the specified object is equal to the current instance. (Inherited from Object)</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection. (Inherited from Object)</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Serves as a hash function for a particular type. (Inherited from Object)</td>
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<tr>
<td><strong>GetType</strong></td>
<td>Gets the Type of the current instance. (Inherited from Object)</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current instance. (Inherited from Object)</td>
</tr>
<tr>
<td><strong>OnCreateDynamicUpdateMap</strong></td>
<td>(Inherited from AsyncCodeActivity)</td>
</tr>
<tr>
<td><strong>ShouldSerializeDisplayName</strong></td>
<td>Indicates whether the DisplayName should be serialized. (Inherited from CodeActivity)</td>
</tr>
<tr>
<td>.</td>
<td><strong>ToString</strong></td>
</tr>
<tr>
<td>---</td>
<td>-------------</td>
</tr>
</tbody>
</table>

(Inherited from **Activity**.)
See Also

InvokeWorkflow Class
Microsoft.Activities.Extensions.Statements Namespace
InvokeWorkflow.BeginExecute Method

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
protected override IAsyncResult BeginExecute(
    AsyncCodeActivityContext context,
    AsyncCallback callback,
    Object state

)
```

#### Visual Basic

```vbnet
Protected Overrides Function BeginExecute ( _
    context As AsyncCodeActivityContext, _
    callback As AsyncCallback, _
    state As Object _
  ) As IAsyncResult
```

#### Visual C++

```cpp
protected:
virtual IAsyncResult^ BeginExecute(
    AsyncCodeActivityContext^ context,
    AsyncCallback^ callback,
    Object^ state

) override
```

### Parameters

**context**  
Type: [System.Activities.AsyncCodeActivityContext](#)  
The context.

**callback**  
Type: [System.AsyncCallback](#)  
The callback.
**state**

Type: `System.Object`

The state.

**Return Value**

An async task
See Also

InvokeWorkflow Class
InvokeWorkflow Members
Microsoft.Activities.Extensions.Statements Namespace
The end execute.

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>protected override IDictionary&lt;string, Object&gt; EndExecute(AsyncCodeActivityContext context, IAsyncResult asyncResult)</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Protected Overrides Function EndExecute(_context As AsyncCodeActivityContext, _asyncResult As IAsyncResult) As IDictionary(Of String, Object)</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>protected: virtual IDictionary&lt;String^, Object^&gt;^ EndExecute(_AsyncCodeActivityContext^ context, _IAsyncResult^ asyncResult) override</code></td>
</tr>
</tbody>
</table>

### Parameters

- **context**
  - Type: `System.Activities.AsyncCodeActivityContext`
  - The context.

- **asyncResult**
  - Type: `System.IAsyncResult`
  - The result.

### Return Value
The output arguments
See Also

InvokeWorkflow Class
InvokeWorkflow Members
Microsoft.Activities.Extensions

InvokeWorkflow Properties

InvokeWorkflow Class See Also Send Feedback

The InvokeWorkflow type exposes the following members.
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activity</td>
<td>Gets or sets Activity.</td>
</tr>
<tr>
<td>CacheId</td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Constraints</td>
<td>Gets a collection of Constraint activities that can be configured to provide validation for the Activity. (Inherited from Activity.)</td>
</tr>
<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Extensions</td>
<td>Gets or sets Extensions</td>
</tr>
<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Implementation</td>
<td>Gets null or throws an error when there is an attempt to set the value of this property. (Inherited from AsyncCodeActivity(IDictionary(String, Object))).</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from AsyncCodeActivity(IDictionary(String, Object))).</td>
</tr>
<tr>
<td>Input</td>
<td>Gets or sets Input.</td>
</tr>
<tr>
<td>Result</td>
<td>Gets or sets the result argument for the Activity&lt;TResult). (Inherited from Activity(IDictionary(String, Object))).</td>
</tr>
<tr>
<td>ResultType</td>
<td>When implemented in a derived class, gets the type of an activity</td>
</tr>
<tr>
<td></td>
<td><strong>OutArgument</strong></td>
</tr>
<tr>
<td>---</td>
<td>----------------</td>
</tr>
<tr>
<td></td>
<td>(Inherited from <strong>ActivityWithResult</strong>)</td>
</tr>
<tr>
<td>![chart]</td>
<td><strong>Timeout</strong></td>
</tr>
<tr>
<td></td>
<td>Gets or sets Timeout.</td>
</tr>
</tbody>
</table>
See Also

InvokeWorkflow Class
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

InvokeWorkflow.Activity Property

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Gets or sets Activity.
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td>C#</td>
<td>public InArgument&lt;Activity&gt; Activity { get; set; }</td>
</tr>
<tr>
<td>Visual Basic</td>
<td>Public Property Activity As InArgument(Of Activity) Get Set</td>
</tr>
<tr>
<td>Visual C++</td>
<td>public: property InArgument&lt;Activity&gt;^ Activity { InArgument&lt;Activity&gt;^ get (); void set (InArgument&lt;Activity&gt;^ value); }</td>
</tr>
</tbody>
</table>
Remarks

The activity that will be invoked. Can be loaded from XAML.
See Also

InvokeWorkflow Class
InvokeWorkflow Members
Microsoft.Activities.Extensions.Statesments Namespace
Microsoft.Activities.Extensions

InvokeWorkflow.Extensions Property

See Also Send Feedback

Gets or sets Extensions

**Namespace:** [Microsoft.Activities.Extensions.Statements](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td>public <code>InArgument&lt;IEnumerable&lt;Object&gt;&gt;</code> Extensions {}</td>
<td>Public Property Extensions As <code>InArgument(Of IEnumerable)</code></td>
<td>public: <code>InArgument&lt;IEnumerable&lt;Object&gt;^^ Extension</code></td>
</tr>
<tr>
<td></td>
<td>Get</td>
<td><code>InArgument&lt;IEnumerable&lt;Object&gt;^^ get ()</code>;</td>
</tr>
</tbody>
</table>
Remarks

Use this property to pass extensions to the child workflow
See Also

InvokeWorkflow Class
InvokeWorkflow Members
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

InvokeWorkflow.Input Property

Gets or sets Input.

**Namespace:** Microsoft.Activities.Extensions.Statements
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td>public InArgument&lt;IDictionary&lt;string, Object&gt;&gt; Input</td>
<td>Public Property Input As InArgument(Of IDictionary(Of String, Object), Object) get set</td>
<td>public: property InArgument&lt;IDictionary&lt;String^, Object^&gt;, Object^, Object^&gt;^&gt;^&gt; get void set (InArgument&lt;IDictionary&lt;String^, Object^&gt;, Object^, Object^&gt;)^&gt;^&gt;</td>
</tr>
</tbody>
</table>

**C#**
```csharp
public InArgument<IDictionary<string, Object>> Input
```

**Visual Basic**
```vbnet
Public Property Input As InArgument(Of IDictionary(Of String, Object), Object) get set
```

**Visual C++**
```cpp
public:
    property InArgument<IDictionary<String^, Object^>, Object^, Object^>^>^> get
    void set (InArgument<IDictionary<String^, Object^>, Object^, Object^>)^>
```
Remarks

The input arguments you want to pass to the other workflow
See Also

InvokeWorkflow Class
InvokeWorkflow Members
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

InvokeWorkflow.Timeout Property

Gets or sets Timeout.

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
</tr>
<tr>
<td>public <code>InArgument&lt;TimeSpan&gt;</code> Timeout { get; set; }</td>
<td></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td></td>
</tr>
<tr>
<td>Public Property Timeout As <code>InArgument(Of TimeSpan)</code> Get Set</td>
<td></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td></td>
</tr>
<tr>
<td>public: property <code>InArgument&lt;TimeSpan&gt;</code>^ Timeout { <code>InArgument&lt;TimeSpan&gt;</code>^ get (); void set (<code>InArgument&lt;TimeSpan&gt;</code>^ value); }</td>
<td></td>
</tr>
</tbody>
</table>
See Also

InvokeWorkflow Class
InvokeWorkflow Members
The KeyExistsInDictionary activity determines if a key exists in a dictionary

**Namespace:** [Microsoft.Activities.Extensions.Statements](http://example.com)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

**C#**

```csharp
public sealed class KeyExistsInDictionary<TKey, TValue>:
```

**Visual Basic**

```vbnet
Public NotInheritable Class KeyExistsInDictionary(Of TValue)
    Inherits CodeActivity(Of Boolean)
```

**Visual C++**

```cpp
generic<typename TKey, typename TValue>
public ref class KeyExistsInDictionary sealed : publi:
Type Parameters

*TKey*
Type of the key

*TValue*
Type of the value
Inheritance Hierarchy

System.Object
System.Activities.Activity
System.Activities.ActivityWithResult
System.Activities.Activity(Boolean)
System.Activities.CodeActivity(Boolean)
See Also

KeyExistsInDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Namespace
The `KeyExistsInDictionary(TKey, TValue)` type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KeyExistsInDictionary(TKey, TValue)</strong></td>
<td>Initializes a new instance of the KeyExistsInDictionary(TKey, TValue) class</td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="https://msdn.microsoft.com/en-us/library/system.object.equals%28v=vs.80%29.aspx" alt="Equals" /></td>
<td>Determines whether the specified object is equal to the current Object. (Inherited from <img src="https://msdn.microsoft.com/en-us/library/system.object%28v=vs.80%29.aspx" alt="Object" />).</td>
</tr>
<tr>
<td><img src="https://msdn.microsoft.com/en-us/library/system.object.finalize%28v=vs.80%29.aspx" alt="Finalize" /></td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the object is reclaimed by garbage collection. (Inherited from <img src="https://msdn.microsoft.com/en-us/library/system.object%28v=vs.80%29.aspx" alt="Object" />).</td>
</tr>
<tr>
<td><img src="https://msdn.microsoft.com/en-us/library/system.object.gethashcode%28v=vs.80%29.aspx" alt="GetHashCode" /></td>
<td>Serves as a hash function for a particular type. (Inherited from <img src="https://msdn.microsoft.com/en-us/library/system.object%28v=vs.80%29.aspx" alt="Object" />).</td>
</tr>
<tr>
<td><img src="https://msdn.microsoft.com/en-us/library/system.object.gettype%28v=vs.80%29.aspx" alt="GetType" /></td>
<td>Gets the Type of the current instance. (Inherited from <img src="https://msdn.microsoft.com/en-us/library/system.object%28v=vs.80%29.aspx" alt="Object" />).</td>
</tr>
<tr>
<td><img src="https://msdn.microsoft.com/en-us/library/system.object.memberwiseclone%28v=vs.80%29.aspx" alt="MemberwiseClone" /></td>
<td>Creates a shallow copy of the current Object. (Inherited from <img src="https://msdn.microsoft.com/en-us/library/system.object%28v=vs.80%29.aspx" alt="Object" />).</td>
</tr>
<tr>
<td><img src="https://msdn.microsoft.com/en-us/library/system.object.createdynamicupdatemap%28v=vs.80%29.aspx" alt="OnCreateDynamicUpdateMap" /></td>
<td>(Inherited from <img src="https://msdn.microsoft.com/en-us/library/system.activities.codeactivity%28v=vs.80%29.aspx" alt="CodeActivity" />).</td>
</tr>
<tr>
<td><img src="https://msdn.microsoft.com/en-us/library/system.object.shoulserializedisplayname%28v=vs.80%29.aspx" alt="ShouldSerializeDisplayName" /></td>
<td>Indicates whether the DisplayName of the Activity should be serialized. (Inherited from <img src="https://msdn.microsoft.com/en-us/library/system.activities.activity%28v=vs.80%29.aspx" alt="Activity" />).</td>
</tr>
<tr>
<td><img src="https://msdn.microsoft.com/en-us/library/system.object.tostring%28v=vs.80%29.aspx" alt="ToString" /></td>
<td>Returns a String that contains the name of the Activity. (Inherited from <img src="https://msdn.microsoft.com/en-us/library/system.activities.activity%28v=vs.80%29.aspx" alt="Activity" />).</td>
</tr>
</tbody>
</table>
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheId</td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Constraints</td>
<td>Gets a collection of Constraint activities that can be configured to provide validation for the Activity. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Dictionary</td>
<td>Gets or sets Dictionary.</td>
</tr>
<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Implementation</td>
<td>Not supported. (Inherited from CodeActivity(Boolean).)</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from CodeActivity(Boolean).)</td>
</tr>
<tr>
<td>Key</td>
<td>Gets or sets Key.</td>
</tr>
<tr>
<td>Result</td>
<td>Gets or sets the result argument for the Activity(TResult). (Inherited from Activity(Boolean).)</td>
</tr>
<tr>
<td>ResultType</td>
<td>When implemented in a derived class, gets the type of an activity OutArgument. (Inherited from ActivityWithResult.)</td>
</tr>
</tbody>
</table>
See Also

KeyExistsInDictionary(TKey, TValue) Class
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

**KeyExistsInDictionary(TKey, TValue) Constructor**

KeyExistsInDictionary(TKey, TValue) Class  See Also  Send Feedback

Initializes a new instance of the **KeyExistsInDictionary(TKey, TValue)** class

**Namespace:** [Microsoft.Activities.Extensions.Statements](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
</tr>
</tbody>
</table>
| ```csharp
class YourClass {
    public KeyExistsInDictionary()
}
``` |
| **Visual Basic** |
| ```vbnet
Public Sub New
``` |
| **Visual C++** |
| ```cpp
class YourClass {
public:
    KeyExistsInDictionary()
}
``` |
See Also

KeyExistsInDictionary(TKey, TValue) Class
KeyExistsInDictionary(TKey, TValue) Members
The `KeyExistsInDictionary(TKey, TValue)` type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CacheMetadata(ActivityMetadata)</strong></td>
<td>Not implemented. Use <strong>CacheMetadata(CodeActivityMetadata)</strong> (Inherited from <strong>CodeActivity</strong>(Boolean)).</td>
</tr>
<tr>
<td><strong>CacheMetadata(CodeActivityMetadata)</strong></td>
<td>Creates and validates a description arguments, variables, child activities, and delegates. (Inherited from <strong>CodeActivity</strong>(Boolean)).</td>
</tr>
<tr>
<td><strong>Equals</strong></td>
<td>Determines whether the specified current <strong>Object</strong>. (Inherited from <strong>Object</strong>.)</td>
</tr>
<tr>
<td><strong>Execute</strong></td>
<td>The execute. (Overrides <strong>CodeActivity(TResult).Execute</strong>()).</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows an <strong>Object</strong> to attempt to free any resources left by the object and perform other cleanup operations before the object is reclaimed by garbage collection. (Inherited from <strong>Object</strong>.)</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Serves as a hash function for a particular type. (Inherited from <strong>Object</strong>.)</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the <strong>Type</strong> of the current instance. (Inherited from <strong>Object</strong>.)</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current <strong>Object</strong>. (Inherited from <strong>Object</strong>.)</td>
</tr>
<tr>
<td><strong>OnCreateDynamicUpdateMap</strong></td>
<td>(Inherited from <strong>CodeActivity</strong>(Boolean)).</td>
</tr>
<tr>
<td><strong>ShouldSerializeDisplayName</strong></td>
<td>Indicates whether the <strong>DisplayName</strong> should be serialized. (Inherited from <strong>Activity</strong>.)</td>
</tr>
<tr>
<td><strong>ToString</strong></td>
<td>Returns a <strong>String</strong> that contains the <strong>DisplayString</strong> of the <strong>Activity</strong>. (Inherited from <strong>Activity</strong>.)</td>
</tr>
</tbody>
</table>
See Also

KeyExistsInDictionary(TKey, TValue) Class
Microsoft.Activities.Extensions.Statements Namespace
KeyExistsInDictionary(TKey, TValue).Execute Method

KeyExistsInDictionary(TKey, TValue) Class See Also Send Feedback

The execute.

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
protected override bool Execute(
    CodeActivityContext context
)
```

### Visual Basic

```vbnet
Protected Overrides Function Execute ( _
    context As CodeActivityContext _
) As Boolean
```

### Visual C++

```cpp
protected:
virtual bool Execute(
    CodeActivityContext^ context
) override
```

## Parameters

**context**

Type: `System.Activities.CodeActivityContext`

The context.

## Return Value

True if the key exists in the dictionary
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>System.InvalidOperationException</td>
<td>Dictionary is null</td>
</tr>
</tbody>
</table>
See Also

KeyExistsInDictionary(TKey, TValue) Class
KeyExistsInDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Statements Namespace
The `KeyExistsInDictionary(TKey, TValue)` type exposes the following members.
## Properties

<table>
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<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CacheId</strong></td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td><strong>Constraints</strong></td>
<td>Gets a collection of Constraint activities that can be configured to provide validation for the Activity. (Inherited from Activity.)</td>
</tr>
<tr>
<td><strong>Dictionary</strong></td>
<td>Gets or sets Dictionary.</td>
</tr>
<tr>
<td><strong>DisplayName</strong></td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from Activity.)</td>
</tr>
<tr>
<td><strong>Id</strong></td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td><strong>Implementation</strong></td>
<td>Not supported. (Inherited from CodeActivity(Boolean).)</td>
</tr>
<tr>
<td><strong>ImplementationVersion</strong></td>
<td>(Inherited from CodeActivity(Boolean).)</td>
</tr>
<tr>
<td><strong>Key</strong></td>
<td>Gets or sets Key.</td>
</tr>
<tr>
<td><strong>Result</strong></td>
<td>Gets or sets the result argument for the Activity(TResult). (Inherited from Activity(Boolean).)</td>
</tr>
<tr>
<td><strong>ResultType</strong></td>
<td>When implemented in a derived class, gets the type of an activity OutArgument. (Inherited from ActivityWithResult.)</td>
</tr>
</tbody>
</table>
See Also

KeyExistsInDictionary(TKey, TValue) Class
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

KeyExistsInDictionary(TKey, TValue).Dictionary Property

KeyExistsInDictionary(TKey, TValue) Class See Also Send Feedback

Gets or sets Dictionary.

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public InArgument&lt;IDictionary&lt;TKey, TValue&gt;&gt; Dictionary</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Property Dictionary As InArgument(Of IDictionary&lt;TKey, TValue&gt;) Get Set</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public: property InArgument&lt;IDictionary&lt;TKey, TValue&gt;^&gt;^ Dictionary InArgument&lt;IDictionary&lt;TKey, TValue&gt;^&gt;^ get set (InArgument&lt;IDictionary&lt;TKey, TValue&gt;^&gt;^)</code></td>
</tr>
</tbody>
</table>
See Also

KeyExistsInDictionary(TKey, TValue) Class
KeyExistsInDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Statements Namespace
Microsoft.Activities.Extensions

KeyExistsInDictionary(TKey, TValue).Key Property

Gets or sets Key.

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public InArgument<TKey> Key { get; set; }
```

### Visual Basic

```vbnet
Public Property Key As InArgument(Of TKey)
    Get
    Set
```

### Visual C++

```cpp
public:
    property InArgument<TKey>^ Key {
        InArgument<TKey>^ get ();
        void set (InArgument<TKey>^ value);
    }
```
See Also

KeyExistsInDictionary(TKey, TValue) Class
KeyExistsInDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Statements Namespace
Microsoft.Activities.Extensions

LoadActivity Class

Loads a workflow definition from a XAML file

**Namespace:** [Microsoft.Activities.Extensions.Statements](https://docs.microsoft.com/en-us/dotnet/framework/winfx-4.0/microsoft-activities-extensions-statements)  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public sealed class LoadActivity : CodeActivity&lt;Activity&gt;</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>Public NotInheritable Class LoadActivity _</td>
</tr>
<tr>
<td></td>
<td>Inherits CodeActivity(Of Activity)</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>public ref class LoadActivity sealed : public CodeActivity&lt;Activity&gt;</td>
</tr>
</tbody>
</table>
Remarks

Use this activity to load XAML activities (not workflow services)
Inheritance Hierarchy

System.Object
System.Activities.Activity
System.Activities.ActivityWithResult
System.Activities.Activity(Activity)
System.Activities.CodeActivity(Activity)
Microsoft.Activities.Extensions.Statements.LoadActivity
See Also

- LoadActivity Members
- Microsoft.Activities.Extensions.Statements Namespace
The **LoadActivity** type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LoadActivity</td>
<td>Initializes a new instance of the LoadActivity class</td>
</tr>
</tbody>
</table>
# Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>[CacheMetadata(ActivityMetadata)]</td>
<td>Not implemented. Use [CacheMetadata(CodeActivityMetadata)] (Inherited from <a href="Activity">CodeActivity</a>).</td>
</tr>
<tr>
<td>[CacheMetadata(CodeActivityMetadata)]</td>
<td>Creates and validates a description of the activity's arguments, variables, child activities, and activity delegates. (Inherited from <a href="Activity">CodeActivity</a>).</td>
</tr>
<tr>
<td>[Equals]</td>
<td>Determines whether the specified current Object.</td>
</tr>
<tr>
<td>[Execute]</td>
<td>The execute method. (Overrides <a href="CodeActivity">CodeActivity(TResult).Execute</a>).</td>
</tr>
<tr>
<td>[Finalize]</td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the object is reclaimed by garbage collection. (Inherited from Object.)</td>
</tr>
<tr>
<td>[GetHashCode]</td>
<td>Serves as a hash function for a particular type. (Inherited from Object.)</td>
</tr>
<tr>
<td>[GetType]</td>
<td>Gets the Type of the current instance.</td>
</tr>
<tr>
<td>[MemberwiseClone]</td>
<td>Creates a shallow copy of the current instance.</td>
</tr>
<tr>
<td>[OnCreateDynamicUpdateMap]</td>
<td>(Inherited from <a href="Activity">CodeActivity</a>.</td>
</tr>
<tr>
<td>[ShouldSerializeDisplayName]</td>
<td>Indicates whether theDisplayName of the Activity is serialized. (Inherited from Activity.)</td>
</tr>
<tr>
<td>[ToString]</td>
<td>Returns a String that contains the display name of the Activity. (Inherited from Activity.)</td>
</tr>
</tbody>
</table>
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CacheId</strong></td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition.</td>
</tr>
<tr>
<td></td>
<td>(Inherited from <a href="#">Activity</a>)</td>
</tr>
<tr>
<td><strong>Constraints</strong></td>
<td>Gets a collection of <a href="#">Constraint</a> activities that can be configured to provide validation for the</td>
</tr>
<tr>
<td></td>
<td><a href="#">Activity</a>. (Inherited from <a href="#">Activity</a>)</td>
</tr>
<tr>
<td><strong>DisplayName</strong></td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling,</td>
</tr>
<tr>
<td></td>
<td>and tracking. (Inherited from <a href="#">Activity</a>)</td>
</tr>
<tr>
<td><strong>Id</strong></td>
<td>Gets an identifier that is unique in the scope of the workflow definition.</td>
</tr>
<tr>
<td></td>
<td>(Inherited from <a href="#">Activity</a>)</td>
</tr>
<tr>
<td><strong>Implementation</strong></td>
<td>Not supported. (Inherited from <a href="#">CodeActivity(Activity)</a>)</td>
</tr>
<tr>
<td><strong>ImplementationVersion</strong></td>
<td>(Inherited from <a href="#">CodeActivity(Activity)</a>)</td>
</tr>
<tr>
<td><strong>LocalAssembly</strong></td>
<td>Gets or sets LocalAssembly.</td>
</tr>
<tr>
<td><strong>Path</strong></td>
<td>Gets or sets Path.</td>
</tr>
<tr>
<td><strong>Result</strong></td>
<td>Gets or sets the result argument for the [Activity(TResult)].</td>
</tr>
<tr>
<td></td>
<td>(Inherited from <a href="#">Activity(Activity)</a>)</td>
</tr>
<tr>
<td><strong>ResultType</strong></td>
<td>When implemented in a derived class, gets the type of an activity <a href="#">OutArgument</a>.</td>
</tr>
<tr>
<td></td>
<td>(Inherited from <a href="#">ActivityWithResult</a>)</td>
</tr>
</tbody>
</table>
See Also

LoadActivity Class
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

LoadActivity Constructor

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Initializes a new instance of the LoadActivity class
<table>
<thead>
<tr>
<th>Syntax</th>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td>public</td>
<td>public LoadActivity()</td>
<td>Public Sub New</td>
<td>public: LoadActivity()</td>
</tr>
<tr>
<td>LoadActivity</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
See Also

LoadActivity Class
LoadActivity Members
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

LoadActivity Methods

See Also
Send Feedback

The **LoadActivity** type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheMetadata(ActivityMetadata)</td>
<td>Not implemented. Use CacheMetadata(CodeActivityMetadata) (Inherited from CodeActivity(Activity).)</td>
</tr>
<tr>
<td>CacheMetadata(CodeActivityMetadata)</td>
<td>Creates and validates a description of the activity's arguments, variables, child activities, and activity delegates. (Inherited from CodeActivity(Activity).)</td>
</tr>
<tr>
<td>Equals</td>
<td>Determines whether the specified object is equal to the current object. (Inherited from Object.)</td>
</tr>
<tr>
<td>Execute</td>
<td>The execute method. (Overrides CodeActivity&lt;TResult&gt;.Execute(TResult).)</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows an Object to attempt to free other cleanup operations before the object is reclaimed by garbage collection. (Inherited from Object.)</td>
</tr>
<tr>
<td>GetHashCode</td>
<td>Serves as a hash function for a particular type. (Inherited from Object.)</td>
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<tr>
<td>GetType</td>
<td>Gets the Type of the current instance. (Inherited from Object.)</td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td>Creates a shallow copy of the current instance. (Inherited from Object.)</td>
</tr>
<tr>
<td>OnCreateDynamicUpdateMap</td>
<td>(Inherited from CodeActivity(Activity).)</td>
</tr>
<tr>
<td>ShouldSerializeDisplayName</td>
<td>Indicates whether the DisplayName should be serialized. (Inherited from Activity.)</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a String that contains the description of the Activity. (Inherited from Activity.)</td>
</tr>
</tbody>
</table>
See Also

LoadActivity Class
Microsoft.Activities.Extensions.Statements Namespace
The execute method.

**Namespace:** [Microsoft.Activities.Extensions.Statements](https://msdn.microsoft.com/en-us/library/06d1w55w.aspx)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Syntax</th>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>protected override <em>Activity</em> Execute(<em>CodeActivityContext</em> <em>context</em>)</td>
<td>Protected Overrides Function Execute (_ <em>context</em> As <em>CodeActivityContext</em>_ ) As <em>Activity</em></td>
<td>protected: virtual <em>Activity</em> Execute(<em>CodeActivityContext</em> <em>context</em>) override</td>
</tr>
</tbody>
</table>

### Parameters

*context*
Type: `System.Activities.CodeActivityContext`
The context.

### Return Value

An activity loaded from a file
See Also

LoadActivity Class
LoadActivity Members
Microsoft.Activities.Extensions.Statements Namespace
The `LoadActivity` type exposes the following members.
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheId</td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Constraints</td>
<td>Gets a collection of Constraint activities that can be configured to provide validation for the Activity. (Inherited from Activity.)</td>
</tr>
<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Implementation</td>
<td>Not supported. (Inherited from CodeActivity(Activity).)</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from CodeActivity(Activity).)</td>
</tr>
<tr>
<td>LocalAssembly</td>
<td>Gets or sets LocalAssembly.</td>
</tr>
<tr>
<td>Path</td>
<td>Gets or sets Path.</td>
</tr>
<tr>
<td>Result</td>
<td>Gets or sets the result argument for the Activity(TResult). (Inherited from Activity(Activity).)</td>
</tr>
<tr>
<td>ResultType</td>
<td>When implemented in a derived class, gets the type of an activity OutArgument. (Inherited from ActivityWithResult.)</td>
</tr>
</tbody>
</table>
See Also

LoadActivity Class
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

LoadActivity.LocalAssembly Property

Gets or sets LocalAssembly.

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
</tr>
<tr>
<td>public <code>InArgument&lt;Assembly&gt;</code> LocalAssembly { get; set; }</td>
<td></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td></td>
</tr>
<tr>
<td>Public Property LocalAssembly As <code>InArgument(Of Assembly)</code> Get Set</td>
<td></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td></td>
</tr>
<tr>
<td>public: property <code>InArgument&lt;Assembly&gt;</code> LocalAssembly { <code>InArgument&lt;Assembly&gt;</code> get (); void set (<code>InArgument&lt;Assembly&gt;</code> value); }</td>
<td></td>
</tr>
</tbody>
</table>
See Also

LoadActivity Class
LoadActivity Members
Microsoft.Activities.Extensions.Statements Statements Namespace
Microsoft.Activities.Extensions

LoadActivity.Path Property

Gets or sets Path.

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public InArgument&lt;string&gt; Path { get; set; }</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Property Path As InArgument(Of String)</code></td>
</tr>
<tr>
<td></td>
<td>Get</td>
</tr>
<tr>
<td></td>
<td>Set</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public: property InArgument&lt;String^&gt;^ Path {</code></td>
</tr>
<tr>
<td></td>
<td><code>InArgument&lt;String^&gt;^ get ();</code></td>
</tr>
<tr>
<td></td>
<td><code>void set (InArgument&lt;String^&gt;^ value);</code></td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
</tbody>
</table>
See Also

LoadActivity Class
LoadActivity Members
Microsoft.Activities.Extensions.Statements Namespace
The load and invoke workflow.

**Namespace:** Microsoft.Activities.Extensions.Statements

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public sealed class LoadAndInvokeWorkflow : Activity
```

**Visual Basic**

```vbnet
Public NotInheritable Class LoadAndInvokeWorkflow
    Inherits Activity(Of IDictionary(Of String, Object)
```

**Visual C++**

```cpp
public ref class LoadAndInvokeWorkflow sealed : public
```
Inheritance Hierarchy

System.Object
System.Activities.Activity
System.Activities.ActivityWithResult
System.Activities.Activity(IDictionary(String, Object))
See Also

LoadAndInvokeWorkflow Members
Microsoft.Activities.Extensions.Statements Namespace
The **LoadAndInvokeWorkflow** type exposes the following members.
### Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LoadAndInvokeWorkflow</td>
<td>Initializes a new instance of the LoadAndInvokeWorkflow class.</td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CacheMetadata</strong></td>
<td>Creates and validates a description of the activity’s arguments, variables, child activities, and activity delegates. (Inherited from Activity.)</td>
</tr>
<tr>
<td><strong>Equals</strong></td>
<td>Determines whether the specified Object is equal to the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Serves as a hash function for a particular type. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the Type of the current instance. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>OnCreateDynamicUpdateMap</strong></td>
<td>(Inherited from Activity.)</td>
</tr>
<tr>
<td><strong>ShouldSerializeDisplayName</strong></td>
<td>Indicates whether the DisplayName property should be serialized. (Inherited from Activity.)</td>
</tr>
<tr>
<td><strong>ToString</strong></td>
<td>Returns a String that contains the Id and DisplayName of the Activity. (Inherited from Activity.)</td>
</tr>
</tbody>
</table>
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheId</td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Constraints</td>
<td>Gets a collection of Constraint activities that can be configured to provide validation for the Activity. (Inherited from Activity.)</td>
</tr>
<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Implementation</td>
<td>Gets or sets the delegate that returns an Activity that contains the execution logic. (Inherited from Activity.)</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from Activity.)</td>
</tr>
<tr>
<td>Input</td>
<td>Gets or sets Input.</td>
</tr>
<tr>
<td>LocalAssembly</td>
<td>Gets or sets LocalAssembly.</td>
</tr>
<tr>
<td>Path</td>
<td>Gets or sets Path.</td>
</tr>
<tr>
<td>Result</td>
<td>Gets or sets the result argument for the Activity(TResult). (Inherited from Activity(IDictionary(String, Object))).</td>
</tr>
<tr>
<td>ResultType</td>
<td>When implemented in a derived class, gets the type of an activity OutArgument. (Inherited from ActivityWithResult.)</td>
</tr>
<tr>
<td><strong>Timeout</strong></td>
<td>Gets or sets Timeout.</td>
</tr>
</tbody>
</table>
See Also

LoadAndInvokeWorkflow Class
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

LoadAndInvokeWorkflow Constructor

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Initializes a new instance of the LoadAndInvokeWorkflow class.
## Syntax

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><code>public</code> LoadAndInvokeWorkflow()</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public Sub New</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>public: LoadAndInvokeWorkflow()</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
See Also

LoadAndInvokeWorkflow Class
LoadAndInvokeWorkflow Members
Microsoft.Activities.Extensions.Statements Namespace
LoadAndInvokeWorkflow Methods

The LoadAndInvokeWorkflow type exposes the following members.
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheMetadata</td>
<td>Creates and validates a description of the activity’s arguments, variables, child activities, and activity delegates. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Equals</td>
<td>Determines whether the specified Object is equal to the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection. (Inherited from Object.)</td>
</tr>
<tr>
<td>GetHashCode</td>
<td>Serves as a hash function for a particular type. (Inherited from Object.)</td>
</tr>
<tr>
<td>GetType</td>
<td>Gets the Type of the current instance. (Inherited from Object.)</td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td>Creates a shallow copy of the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td>OnCreateDynamicUpdateMap</td>
<td>(Inherited from Activity.)</td>
</tr>
<tr>
<td>ShouldSerializeDisplayName</td>
<td>Indicates whether the DisplayName property should be serialized. (Inherited from Activity.)</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a String that contains the Id and DisplayName of the Activity. (Inherited from Activity.)</td>
</tr>
</tbody>
</table>
See Also

LoadAndInvokeWorkflow Class
Microsoft.Activities.Extensions.Statements Namespace
The **LoadAndInvokeWorkflow** type exposes the following members.
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheId</td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Constraints</td>
<td>Gets a collection of Constraint activities that can be configured to provide validation for the Activity. (Inherited from Activity.)</td>
</tr>
<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Extensions</td>
<td>Gets or sets Extensions</td>
</tr>
<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Implementation</td>
<td>Gets or sets the delegate that returns an Activity that contains the execution logic. (Inherited from Activity.)</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from Activity.)</td>
</tr>
<tr>
<td>Input</td>
<td>Gets or sets Input.</td>
</tr>
<tr>
<td>LocalAssembly</td>
<td>Gets or sets LocalAssembly.</td>
</tr>
<tr>
<td>Path</td>
<td>Gets or sets Path.</td>
</tr>
<tr>
<td>Result</td>
<td>Gets or sets the result argument for the Activity&lt;TResult&gt;. (Inherited from Activity(IDictionary(String, Object))).</td>
</tr>
<tr>
<td>ResultType</td>
<td>When implemented in a derived class, gets the type of an activity OutArgument. (Inherited from ActivityWithResult.)</td>
</tr>
<tr>
<td><strong>Timeout</strong></td>
<td>Gets or sets Timeout.</td>
</tr>
</tbody>
</table>
See Also

LoadAndInvokeWorkflow Class
MicrosoftActivities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

LoadAndInvokeWorkflow.Extensions Property

Gets or sets Extensions

**Namespace:** [Microsoft.Activities.Extensions.Statements](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
</table>
| `public InArgument<
IEnumerable<Object>>
Extensions {` | **Public Property** Extensions As **InArgument** (Of **IEnumerable**)
                          | public:
                          |                              | property **InArgument**<
IEnumerable<Object^
>^>^ Extension
                          |                              | **InArgument**<
IEnumerable<Object^
>^>^ get ();
                          |                              | void set (**InArgument**<
IEnumerable<Object^
>^>^^);` |
Remarks

Use this property to pass extensions to the child workflow
See Also

LoadAndInvokeWorkflow Class
LoadAndInvokeWorkflow Members
Microsoft.Activities.Extensions.Statements Namespace
Gets or sets Input.

**Namespace:** [Microsoft.Activities.Extensions.Statements](https://docs.microsoft.com/en-us/dotnet/api/microsoft.activities.extensions.statements)  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
</tr>
<tr>
<td>public InArgument&lt;IDictionary&lt;string, Object&gt;&gt; Input</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
</tr>
<tr>
<td>Public Property Input As InArgument(Of IDictionary(Of Get, Set))</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
</tr>
</tbody>
</table>
| public:
  property InArgument<IDictionary<String^, Object^>^>^>^>^>^>^>
  InArgument<IDictionary<String^, Object^>^>^>^>^>^>^>^>
  void set (InArgument<IDictionary<String^, Object^>^>^>^>^>^>^>^>^>
  } |
Remarks

The input arguments you want to pass to the other workflow
See Also

LoadAndInvokeWorkflow Class
LoadAndInvokeWorkflow Members
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

LoadAndInvokeWorkflow.LocalAssembly Property

Gets or sets LocalAssembly.

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td>public InArgument&lt;Assembly&gt; LocalAssembly { get; set; }</td>
<td>Public Property LocalAssembly As InArgument(Of Assembly) Get Set</td>
<td>public: property InArgument&lt;Assembly&gt;^&gt;^ LocalAssembly { InArgument&lt;Assembly&gt;^&gt;^ get (); void set (InArgument&lt;Assembly&gt;^&gt;^ value); }</td>
</tr>
</tbody>
</table>
See Also

LoadAndInvokeWorkflow Class
LoadAndInvokeWorkflow Members
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

LoadAndInvokeWorkflow.Path Property

Gets or sets Path.

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
</table>
| `public InArgument<string> Path { get; set; }` | `Public Property Path As InArgument(Of String)`
|                   | Get                           | `property InArgument<String^>^ Path {` |
|                   | Set                           | `  InArgument<String^>^ get ();` |
|                   |                               | `  void set (InArgument<String^>^ value);` |
|                   |                               | `}`                               |
See Also

LoadAndInvokeWorkflow Class
LoadAndInvokeWorkflow Members
Microsoft.Activities.Extensions.Statements Namespace
Gets or sets Timeout.

**Namespace:** Microsoft.Activities.Extensions.Statements  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>C#</td>
<td>public InArgument&lt;TimeSpan&gt; Timeout { get; set; }</td>
</tr>
<tr>
<td>Visual Basic</td>
<td>Public Property Timeout As InArgument(Of TimeSpan) Get Set</td>
</tr>
</tbody>
</table>
| Visual C++ | public: property InArgument<TimeSpan>^ Timeout {
  InArgument<TimeSpan>^ get ();
  void set (InArgument<TimeSpan>^ value); |

|
See Also

LoadAndInvokeWorkflow Class
LoadAndInvokeWorkflow Members
Microsoft.Activities.Extensions.Statements Namespace
LoadAssembly Class

Loads an assembly into the current AppDomain

**Namespace:** Microsoft.Activities.Extensions.Statements

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public sealed class LoadAssembly : NativeActivity</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public NotInheritable Class LoadAssembly Inherits NativeActivity</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public ref class LoadAssembly sealed : public NativeActivity</code></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
System.Activities.Activity
System.Activities.NativeActivity
Microsoft.Activities.Extensions.Statements.LoadAssembly
See Also

LoadAssembly Members
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

LoadAssembly Members

LoadAssembly Class Constructors Methods Properties See Also Send Feedback

The LoadAssembly type exposes the following members.
### Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LoadAssembly</td>
<td>Initializes a new instance of the <code>LoadAssembly</code> class</td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abort</td>
<td>When implemented in a derived class, takes actions in response to the activity being aborted.</td>
</tr>
<tr>
<td>CacheMetadata(ActivityMetadata)</td>
<td>(Inherited from CacheMetadata(ActivityMetadata)) Not implemented. Use the CacheMetadata(NativeActivityMetadata) (Inherited from CacheMetadata(NativeActivityMetadata)) Caches metadata (Overrides NativeActivity)</td>
</tr>
<tr>
<td>Cancel</td>
<td>When implemented in a derived class, runs logic to cause graceful early completion of the activity.</td>
</tr>
<tr>
<td>Equals</td>
<td>Determines whether the specified current equals the current.</td>
</tr>
<tr>
<td>Execute</td>
<td>The execute method. (Overrides NativeActivity)</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows an other cleanup operations before the activity is garbage collected. (Inherited from Finalize)</td>
</tr>
<tr>
<td>GetHashCode</td>
<td>Serves as a hash function for a particular type. (Inherited from GetHashCode)</td>
</tr>
<tr>
<td>GetType</td>
<td>Gets the type. (Inherited from GetType)</td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td>Creates a shallow copy of the current object. (Inherited from MemberwiseClone)</td>
</tr>
<tr>
<td>OnCreateDynamicUpdateMap(UpdateMapMetadata, Activity)</td>
<td>(Inherited from OnCreateDynamicUpdateMap(UpdateMapMetadata, Activity))</td>
</tr>
<tr>
<td>OnCreateDynamicUpdateMap(NativeActivityUpdateMapMetadata, Activity)</td>
<td>(Inherited from OnCreateDynamicUpdateMap(NativeActivityUpdateMapMetadata, Activity))</td>
</tr>
<tr>
<td>ShouldSerializeDisplayName</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>ToString</strong></td>
</tr>
<tr>
<td>---</td>
<td>--------------</td>
</tr>
<tr>
<td></td>
<td><strong>UpdateInstance</strong></td>
</tr>
</tbody>
</table>
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assembly</td>
<td>Gets or sets Assembly.</td>
</tr>
<tr>
<td>CacheId</td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from <a href="#">Activity</a>.)</td>
</tr>
<tr>
<td>CanInduceIdle</td>
<td>Gets or sets a value that indicates whether the activity can cause the workflow to become idle. (Inherited from <a href="#">NativeActivity</a>.)</td>
</tr>
<tr>
<td>Constraints</td>
<td>Gets a collection of <a href="#">Constraint</a> activities that can be configured to provide validation for the <a href="#">Activity</a>. (Inherited from Activity.)</td>
</tr>
<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from <a href="#">Activity</a>.)</td>
</tr>
<tr>
<td>Implementation</td>
<td>The execution logic of the activity. (Inherited from <a href="#">NativeActivity</a>.)</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from <a href="#">NativeActivity</a>)</td>
</tr>
<tr>
<td>Path</td>
<td>Gets or sets Path to the assembly you want to load.</td>
</tr>
</tbody>
</table>
See Also

LoadAssembly Class
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

LoadAssembly Constructor

See Also Send Feedback

Initializes a new instance of the `LoadAssembly` class

**Namespace:** [Microsoft.Activities.Extensions.Statements](https://docs.microsoft.com/en-us/dotnet/api/microsoft.activities.extensions.statements)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public LoadAssembly()</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Sub New</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public: LoadAssembly()</code></td>
</tr>
</tbody>
</table>
See Also

LoadAssembly Class
LoadAssembly Members
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

**LoadAssembly Methods**

[LoadAssembly Class](#) **See Also** **Send Feedback**

The **LoadAssembly** type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abort</td>
<td>When implemented in a derived class, takes actions in response to the activity being aborted.</td>
</tr>
<tr>
<td>CacheMetadata(ActivityMetadata)</td>
<td>(Inherited from CacheMetadata(ActivityMetadata))</td>
</tr>
<tr>
<td>CacheMetadata(NativeActivityMetadata)</td>
<td>(Inherited from CacheMetadata(NativeActivityMetadata))</td>
</tr>
<tr>
<td>Cancel</td>
<td>When implemented in a derived class, runs logic to cause graceful early completion of the activity.</td>
</tr>
<tr>
<td>Equals</td>
<td>(Inherited from)</td>
</tr>
<tr>
<td>Execute</td>
<td>The execute method.</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows other cleanup operations before the object is reclaimed by garbage collection.</td>
</tr>
<tr>
<td>GetHashCode</td>
<td>Serves as a hash function for a particular type.</td>
</tr>
<tr>
<td>GetType</td>
<td>(Inherited from)</td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td>(Inherited from)</td>
</tr>
<tr>
<td>OnCreateDynamicUpdateMap(UpdateMapMetadata, Activity)</td>
<td>(Inherited from OnCreateDynamicUpdateMap(UpdateMapMetadata, Activity))</td>
</tr>
<tr>
<td>OnCreateDynamicUpdateMap(NativeActivityUpdateMapMetadata, Activity)</td>
<td>(Inherited from OnCreateDynamicUpdateMap(NativeActivityUpdateMapMetadata, Activity))</td>
</tr>
<tr>
<td>ShouldSerializeDisplayName</td>
<td>(Inherited from)</td>
</tr>
</tbody>
</table>
ToString

UpdateInstance
See Also

LoadAssembly Class
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

LoadAssembly.CacheMetadata Method

LoadAssembly Class  See Also  Send Feedback
## Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="Image" alt="CacheMetadata(ActivityMetadata)" /></td>
<td>Not implemented. Use the <a href="Image">CacheMetadata(NativeActivityMetadata)</a> (Inherited from <a href="Image">NativeActivity</a>.)</td>
</tr>
<tr>
<td><img src="Image" alt="CacheMetadata(NativeActivityMetadata)" /></td>
<td>Caches metadata (Overrides <a href="Image">NativeActivity, CacheMetadata</a>)</td>
</tr>
</tbody>
</table>
See Also

LoadAssembly Class
LoadAssembly Members
Microsoft.Activities.Extensions

LoadAssembly.CacheMetadata Method (NativeActivityMetadata)

LoadAssembly Class  See Also  Send Feedback

Caches metadata

**Namespace:** Microsoft.Activities.Extensions.Statements
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
protected override void CacheMetadata(
    NativeActivityMetadata metadata
)
```

### Visual Basic

```vbnet
Protected Overrides Sub CacheMetadata (_
    metadata As NativeActivityMetadata _
)
```

### Visual C++

```cpp
protected:
virtual void CacheMetadata(
    NativeActivityMetadata metadata
) override
```

## Parameters

- **metadata**
  - Type: `System.Activities.NativeActivityMetadata`
  - The metadata.
See Also

LoadAssembly Class
LoadAssembly Members
CacheMetadata Overload
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

LoadAssembly.Execute Method

LoadAssembly Class See Also Send Feedback

The execute method.

**Namespace:** [Microsoft.Activities.Extensions.Statements](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>protected override void Execute(</td>
</tr>
<tr>
<td></td>
<td>NativeActivityContext context</td>
</tr>
<tr>
<td></td>
<td>)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Protected Overrides Sub Execute ( _</td>
</tr>
<tr>
<td></td>
<td>context As NativeActivityContext _</td>
</tr>
<tr>
<td></td>
<td>)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>protected:</td>
</tr>
<tr>
<td></td>
<td>virtual void Execute(</td>
</tr>
<tr>
<td></td>
<td>NativeActivityContext^ context</td>
</tr>
<tr>
<td></td>
<td>) override</td>
</tr>
</tbody>
</table>

### Parameters

- **context**
  - Type: System.Activities.NativeActivityContext
  - The context.
See Also

LoadAssembly Class
LoadAssembly Members
Microsoft.Activities.Extensions.Statements Namespace
The **LoadAssembly** type exposes the following members.
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assembly</td>
<td>Gets or sets Assembly.</td>
</tr>
<tr>
<td>CacheId</td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>CanInduceIdle</td>
<td>Gets or sets a value that indicates whether the activity can cause the workflow to become idle. (Inherited from NativeActivity.)</td>
</tr>
<tr>
<td>Constraints</td>
<td>Gets a collection of Constraint activities that can be configured to provide validation for the Activity. (Inherited from Activity.)</td>
</tr>
<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Implementation</td>
<td>The execution logic of the activity. (Inherited from NativeActivity.)</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from NativeActivity.)</td>
</tr>
<tr>
<td>Path</td>
<td>Gets or sets Path to the assembly you want to load.</td>
</tr>
</tbody>
</table>
See Also

LoadAssembly Class

Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

LoadAssembly.Assembly Property

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Gets or sets Assembly.
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td>public <code>OutArgument&lt;Assembly&gt;</code> Assembly { get; set; }</td>
<td>Public Property Assembly As <code>OutArgument(Of Assembly)</code> Get Set</td>
<td>public: property <code>OutArgument&lt;Assembly&gt;</code> Assembly { <code>OutArgument&lt;Assembly&gt;</code> get (); void set (<code>OutArgument&lt;Assembly&gt;</code> value); }</td>
</tr>
</tbody>
</table>
See Also

LoadAssembly Class
LoadAssembly Members
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

LoadAssembly.Path Property

LoadAssembly Class  See Also  Send Feedback

Gets or sets Path to the assembly you want to load.

**Namespace:** [Microsoft.Activities.Extensions.Statements](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Language</th>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public InArgument&lt;string&gt; Path { get; set; }</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Property Path As InArgument(Of String) Get Set</code></td>
</tr>
</tbody>
</table>
| **Visual C++**    | `public: property InArgument<String^>^ Path {
InArgument<String^>^ get ();
void set (InArgument<String^>^ value);` |
See Also

LoadAssembly Class
LoadAssembly Members
Microsoft.Activities.Extensions.Statements Namespace
The RemoveFromDictionary activity will remove a key value pair to a dictionary.

**Namespace:**  Microsoft.Activities.Extensions.Statements

**Assembly:**  Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public sealed class RemoveFromDictionary&lt;TKey, TValue&gt;</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>Public NotInheritable Class RemoveFromDictionary(Of TKey, TValue) Inherits CodeActivity(Of Boolean)</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>generic&lt;typename TKey, typename TValue&gt; public ref class RemoveFromDictionary sealed : public</td>
</tr>
</tbody>
</table>


Type Parameters

TKey
Type of the key
TValue
Type of the value
Inheritance Hierarchy

System.Object
System.Activities.Activity
System.Activities.ActivityWithResult
System.Activities.Activity(Boolean)
System.Activities.CodeActivity(Boolean)
Microsoft.Activities.Extensions.Statements.RemoveFromDictionary(TKey, TValue)
See Also

RemoveFromDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Statements Namespace
The `RemoveFromDictionary(TKey, TValue)` type exposes the following members.
### Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>RemoveFromDictionary(TKey, TValue)</code></td>
<td>Initializes a new instance of the <code>RemoveFromDictionary(TKey, TValue)</code> class</td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheMetadata(ActivityMetadata)</td>
<td>Not implemented. Use CacheMetadata(CodeActivityMetadata) (Inherited from CodeActivity(Bool).)</td>
</tr>
<tr>
<td>CacheMetadata(CodeActivityMetadata)</td>
<td>Creates and validates a description of the activity's arguments, variables, child activities, and delegates. (Inherited from CodeActivity(Bool).)</td>
</tr>
<tr>
<td>Equals</td>
<td>Determines whether the specified current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td>Execute</td>
<td>The execute. (Overrrides CodeActivity(TResult).Execute(())</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the object is reclaimed by garbage collection. (Inherited from Object.)</td>
</tr>
<tr>
<td>GetHashCode</td>
<td>Serves as a hash function for a particular type. (Inherited from Object.)</td>
</tr>
<tr>
<td>GetType</td>
<td>Gets the Type of the current instance. (Inherited from Object.)</td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td>Creates a shallow copy of the current instance. (Inherited from Object.)</td>
</tr>
<tr>
<td>OnCreateDynamicUpdateMap</td>
<td>(Inherited from CodeActivity(Bool).)</td>
</tr>
<tr>
<td>ShouldSerializeDisplayName</td>
<td>Indicates whether the DisplayName should be serialized. (Inherited from Activity.)</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a String that contains the name of the Activity. (Inherited from Activity.)</td>
</tr>
</tbody>
</table>
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheId</td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Constraints</td>
<td>Gets a collection of Constraint activities that can be configured to provide validation for the Activity. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Dictionary</td>
<td>Gets or sets Dictionary.</td>
</tr>
<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Implementation</td>
<td>Not supported. (Inherited from CodeActivity(Boolean).)</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from CodeActivity(Boolean).)</td>
</tr>
<tr>
<td>Key</td>
<td>Gets or sets Key.</td>
</tr>
<tr>
<td>Result</td>
<td>Gets or sets the result argument for the Activity(TResult). (Inherited from Activity(Boolean).)</td>
</tr>
<tr>
<td>ResultType</td>
<td>When implemented in a derived class, gets the type of an activity OutArgument. (Inherited from ActivityWithResult.)</td>
</tr>
</tbody>
</table>
See Also

RemoveFromDictionary(TKey, TValue) Class

Microsoft.Activities.Extensions.Statements Namespace
RemovalFromDictionary\((TKey, TValue)\) Constructor

Initializes a new instance of the RemovelFromDictionary\((TKey, TValue)\) class

**Namespace:** Microsoft.Activities.Extensions.Statements

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>C#</td>
<td><code>public RemoveFromDictionary()</code></td>
</tr>
<tr>
<td>Visual Basic</td>
<td><code>Public Sub New</code></td>
</tr>
<tr>
<td>Visual C++</td>
<td><code>public: RemoveFromDictionary()</code></td>
</tr>
</tbody>
</table>
See Also

RemoveFromDictionary(TKey, TValue).Class
RemoveFromDictionary(TKey, TValue).Members
The `RemoveFromDictionary(TKey, TValue)` type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>CacheMetadata(CodeActivityMetadata)</code></td>
<td>Creates and validates a description of the activity's arguments, variables, child activities, and activity delegates. (Inherited from <code>CodeActivity(Bool)</code>).</td>
</tr>
<tr>
<td><code>Equals</code></td>
<td>Determines whether the specified object is equal to the current object. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><code>Execute</code></td>
<td>The execute. (Overrides <code>CodeActivity(TResult).Execute(TResult)</code>).</td>
</tr>
<tr>
<td><code>Finalize</code></td>
<td>Allows an <code>Object</code> to attempt to free resources and perform other cleanup operations before the object is reclaimed by garbage collection. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><code>GetHashCode</code></td>
<td>Serves as a hash function for a particular type. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><code>GetType</code></td>
<td>Gets the <code>Type</code> of the current object. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><code>MemberwiseClone</code></td>
<td>Creates a shallow copy of the current object. (Inherited from <code>Object</code>.)</td>
</tr>
<tr>
<td><code>OnCreateDynamicUpdateMap</code></td>
<td>(Inherited from <code>CodeActivity(Bool)</code>).</td>
</tr>
<tr>
<td><code>ShouldSerializeDisplayName</code></td>
<td>Indicates whether the <code>DisplayName</code> should be serialized. (Inherited from <code>Activity</code>.)</td>
</tr>
<tr>
<td><code>ToString</code></td>
<td>Returns a <code>String</code> that contains the description of the <code>Activity</code>. (Inherited from <code>Activity</code>.)</td>
</tr>
</tbody>
</table>
See Also

RemoveFromDictionary(TKey, TValue) Class
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

RemoveFromDictionary(TKey, TValue).Execute Method

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

### C#

```csharp
protected override bool Execute(
    CodeActivityContext context
)
```

### Visual Basic

```vbnet
Protected Overrides Function Execute ( _
    context As CodeActivityContext _
) As Boolean
```

### Visual C++

```cpp
protected:
virtual bool Execute(
    CodeActivityContext^ context
) override
```

#### Parameters

- **context**
  - Type: `System.Activities.CodeActivityContext`
  - The context.

#### Return Value

- True if the key value pair was removed
### Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>System.InvalidOperationException</code></td>
<td>Dictionary is null</td>
</tr>
</tbody>
</table>
See Also

RemoveFromDictionary(TKey, TValue) Class
RemoveFromDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Statements Namespace
The **RemoveFromDictionary(TKey, TValue)** type exposes the following members.
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CacheId</strong></td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from <a href="#">Activity</a>.)</td>
</tr>
<tr>
<td><strong>Constraints</strong></td>
<td>Gets a collection of <a href="#">Constraint</a> activities that can be configured to provide validation for the <a href="#">Activity</a>. (Inherited from <a href="#">Activity</a>.)</td>
</tr>
<tr>
<td><strong>Dictionary</strong></td>
<td>Gets or sets Dictionary.</td>
</tr>
<tr>
<td><strong>DisplayName</strong></td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from <a href="#">Activity</a>.)</td>
</tr>
<tr>
<td><strong>Id</strong></td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from <a href="#">Activity</a>.)</td>
</tr>
<tr>
<td><strong>Implementation</strong></td>
<td>Not supported. (Inherited from <a href="#">CodeActivity(Boolean)</a>.)</td>
</tr>
<tr>
<td><strong>ImplementationVersion</strong></td>
<td>(Inherited from <a href="#">CodeActivity(Boolean)</a>.)</td>
</tr>
<tr>
<td><strong>Key</strong></td>
<td>Gets or sets Key.</td>
</tr>
<tr>
<td><strong>Result</strong></td>
<td>Gets or sets the result argument for the <a href="#">Activity(TResult)</a>. (Inherited from <a href="#">Activity(Boolean)</a>.)</td>
</tr>
<tr>
<td><strong>ResultType</strong></td>
<td>When implemented in a derived class, gets the type of an activity <a href="#">OutArgument</a>. (Inherited from <a href="#">ActivityWithResult</a>.)</td>
</tr>
</tbody>
</table>
See Also

RemoveFromDictionary(TKey, TValue) Class
Microsoft.Activities.Extensions.Statements Namespace
Microsoft.Activities.Extensions

RemoveFromDictionary(TKey, TValue).Dictionary Property

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Gets or sets Dictionary.
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
</table>
| C#       | ```
public InArgument<IDictionary<TKey, TValue>> Dictionary;
``` |
| Visual Basic | ```
Public Property Dictionary As InArgument(Of IDictionary<TKey, TValue>)
Get
Set
``` |
| Visual C++ | ```
public:
property InArgument<IDictionary<TKey, TValue>^>^ Dictionary
InArgument<IDictionary<TKey, TValue>^>^ get;
void set (InArgument<IDictionary<TKey, TValue>^>^)
``` |
See Also

RemoveFromDictionary(TKey, TValue).Class
RemoveFromDictionary(TKey, TValue).Members
Microsoft.Activities.Extensions

RemoveFromDictionary(TKey, TValue).Key Property

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Gets or sets Key.
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public <code>InArgument</code>&lt;TKey&gt; Key { get; set; }</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>Public Property Key As <code>InArgument(Of TKey)</code> Get Set</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>public: <code>InArgument</code>&lt;TKey&gt;^ Key { <code>InArgument</code>&lt;TKey&gt;^ get (); void set (<code>InArgument</code>&lt;TKey&gt;^ value); }</td>
</tr>
</tbody>
</table>
See Also

- [RemoveFromDictionary(TKey, TValue).Class](#)
- [RemoveFromDictionary(TKey, TValue) Members](#)
Microsoft.Activities.Extensions

ValueExistsInDictionary(TKey, TValue) Class

The ValueExistsInDictionary activity determines if a value exists in a dictionary

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public sealed class ValueExistsInDictionary&lt;TKey, TValue&gt; : </code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public NotInheritable Class ValueExistsInDictionary(Of Boolean) Inherits CodeActivity(Of Boolean)</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>generic&lt;typename TKey, typename TValue&gt; public ref class ValueExistsInDictionary sealed : public</code></td>
</tr>
</tbody>
</table>
Type Parameters

TKey
Type of the key
TValue
Type of the value
Inheritance Hierarchy

System.Object
System.Activities.Activity
System.Activities.ActivityWithResult
System.Activities.Activity(Boolean)
System.Activities.CodeActivity(Boolean)
See Also

ValueExistsInDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Namespace
The `ValueExistsInDictionary(TKey, TValue)` type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>ValueExistsInDictionary(TKey, TValue)</code></td>
<td>Initializes a new instance of the <code>ValueExistsInDictionary(TKey, TValue)</code> class</td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheMetadata(ActivityMetadata)</td>
<td>Not implemented. Use CacheMetadata(CodeActivityMetadata) (Inherited from CodeActivity(Boolean))</td>
</tr>
<tr>
<td>CacheMetadata(CodeActivityMetadata)</td>
<td>Creates and validates a description of the activity's arguments, variables, child activities, and activity delegates. (Inherited from CodeActivity(Boolean))</td>
</tr>
<tr>
<td>Equals</td>
<td>Determines whether the specified current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td>Execute</td>
<td>The execute. (Overrides CodeActivity&lt;TResult&gt;.Execute(TResult))</td>
</tr>
<tr>
<td>Finalize</td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the object is reclaimed by garbage collection. (Inherited from Object.)</td>
</tr>
<tr>
<td>GetHashCode</td>
<td>Serves as a hash function for a particular type. (Inherited from Object.)</td>
</tr>
<tr>
<td>GetType</td>
<td>Gets the Type of the current instance. (Inherited from Object.)</td>
</tr>
<tr>
<td>MemberwiseClone</td>
<td>Creates a shallow copy of the current object. (Inherited from Object.)</td>
</tr>
<tr>
<td>OnCreateDynamicUpdateMap</td>
<td>(Inherited from CodeActivity(Boolean))</td>
</tr>
<tr>
<td>ShouldSerializeDisplayName</td>
<td>Indicates whether the DisplayName should be serialized. (Inherited from Activity.)</td>
</tr>
<tr>
<td>ToString</td>
<td>Returns a String that contains the full name of the Activity. (Inherited from Activity.)</td>
</tr>
</tbody>
</table>
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CacheId</strong></td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td><strong>Constraints</strong></td>
<td>Gets a collection of Constraint activities that can be configured to provide validation for the Activity. (Inherited from Activity.)</td>
</tr>
<tr>
<td><strong>Dictionary</strong></td>
<td>Gets or sets Dictionary.</td>
</tr>
<tr>
<td><strong>DisplayName</strong></td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from Activity.)</td>
</tr>
<tr>
<td><strong>Id</strong></td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td><strong>Implementation</strong></td>
<td>Not supported. (Inherited from CodeActivity(Boolean).)</td>
</tr>
<tr>
<td><strong>ImplementationVersion</strong></td>
<td>(Inherited from CodeActivity(Boolean).)</td>
</tr>
<tr>
<td><strong>Result</strong></td>
<td>Gets or sets the result argument for the Activity&lt;TResult). (Inherited from Activity(Boolean).)</td>
</tr>
<tr>
<td><strong>ResultType</strong></td>
<td>When implemented in a derived class, gets the type of an activity OutArgument. (Inherited from ActivityWithResult.)</td>
</tr>
<tr>
<td><strong>Value</strong></td>
<td>Gets or sets Key.</td>
</tr>
</tbody>
</table>
See Also

ValueExistsInDictionary(TKey, TValue) Class
Microsoft.Activities.Extensions.Statements Namespace
ValueExistsInDictionary(TKey, TValue) Constructor

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public ValueExistsInDictionary()</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Sub New</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public: ValueExistsInDictionary()</code></td>
</tr>
</tbody>
</table>
See Also

ValueExistsInDictionary(TKey, TValue) Class
ValueExistsInDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Namespace
ValueExistsInDictionary(TKey, TValue) Methods

The ValueExistsInDictionary(TKey, TValue) type exposes the following members.
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CacheMetadata(ActivityMetadata)</strong></td>
<td>Not implemented. Use <code>CacheMetadata(CodeActivityMetadata)</code> (Inherited from <code>[CodeActivity]</code>) (Boolean) creates and validates a description of arguments, variables, child activities, and activity delegates.</td>
</tr>
<tr>
<td><strong>CacheMetadata(CodeActivityMetadata)</strong></td>
<td>Creates and validates a description of the activity's arguments, variables, child activities, and activity delegates. (Inherited from <code>[CodeActivity]</code>)</td>
</tr>
<tr>
<td><strong>Equals</strong></td>
<td>Determines whether the specified object is equal to the current object. (Inherited from <code>[Object]</code>)</td>
</tr>
<tr>
<td><strong>Execute</strong></td>
<td>The execute. (Overrides <code>CodeActivity(TResult).Execute(TResult)</code>).</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows an <code>Object</code> to attempt to free resources and perform other cleanup operations before being reclaimed by garbage collection. (Inherited from <code>[Object]</code>)</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Serves as a hash function for a particular type. (Inherited from <code>[Object]</code>)</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the <code>Type</code> of the current instance. (Inherited from <code>[Object]</code>)</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current instance. (Inherited from <code>[Object]</code>)</td>
</tr>
<tr>
<td><strong>OnCreateDynamicUpdateMap</strong></td>
<td>(Inherited from <code>[CodeActivity]</code>)</td>
</tr>
<tr>
<td><strong>ShouldSerializeDisplayName</strong></td>
<td>Indicates whether the <code>DisplayName</code> should be serialized. (Inherited from <code>[Activity]</code>)</td>
</tr>
<tr>
<td><strong>ToString</strong></td>
<td>Returns a <code>String</code> that contains the name of the <code>Activity</code>. (Inherited from <code>[Activity]</code>)</td>
</tr>
</tbody>
</table>
See Also

ValueExistsInDictionary(TKey, TValue) Class
Microsoft.Activities.Extensions.Statesments Namespace
Microsoft.Activities.Extensions

ValueExistsInDictionary(TKey, TValue).Execute Method

ValueExistsInDictionary(TKey, TValue) Class See Also Send Feedback

The execute.

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
protected override bool Execute(
    CodeActivityContext context
)
```

Visual Basic

```vbnet
Protected Overrides Function Execute (_
    context As CodeActivityContext _
) As Boolean
```

Visual C++

```cpp
protected:
    virtual bool Execute(
        CodeActivityContext^ context
    ) override
```

Parameters

context
Type: System.Activities.CodeActivityContext
The context.

Return Value
True if the value exists in the dictionary
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>System.InvalidOperationException</code></td>
<td>Dictionary is null</td>
</tr>
</tbody>
</table>
See Also

ValueExistsInDictionary(TKey, TValue) Class
ValueExistsInDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Namespace
The `ValueExistsInDictionary(TKey, TValue)` type exposes the following members.
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>CacheId</td>
<td>Gets the identifier of the cache that is unique within the scope of the workflow definition. (Inherited from Activity.)</td>
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<tr>
<td>Constraints</td>
<td>Gets a collection of Constraint activities that can be configured to provide validation for the Activity. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Dictionary</td>
<td>Gets or sets Dictionary.</td>
</tr>
<tr>
<td>DisplayName</td>
<td>Gets or sets an optional friendly name that is used for debugging, validation, exception handling, and tracking. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Id</td>
<td>Gets an identifier that is unique in the scope of the workflow definition. (Inherited from Activity.)</td>
</tr>
<tr>
<td>Implementation</td>
<td>Not supported. (Inherited from CodeActivity(Boolean).)</td>
</tr>
<tr>
<td>ImplementationVersion</td>
<td>(Inherited from CodeActivity(Boolean).)</td>
</tr>
<tr>
<td>Result</td>
<td>Gets or sets the result argument for the Activity(TResult). (Inherited from Activity(Boolean).)</td>
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<td>ResultType</td>
<td>When implemented in a derived class, gets the type of an activity OutArgument. (Inherited from ActivityWithResult.)</td>
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<td>Value</td>
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See Also

ValueExistsInDictionary(TKey, TValue) Class
Microsoft.Activities.Extensions.Statements Statements Namespace
Microsoft.Activities.Extensions

ValueExistsInDictionary(TKey, TValue).Dictionary Property

Gets or sets Dictionary.

Namespace: Microsoft.Activities.Extensions.Statements
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
</tr>
<tr>
<td>public <code>InArgument&lt;IDictionary&lt;TKey, TValue&gt;&gt;</code> Dictionary</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
</tr>
<tr>
<td>Public Property Dictionary As <code>InArgument(Of IDictionary&lt;TKey, TValue&gt;)</code></td>
</tr>
<tr>
<td>Get</td>
</tr>
<tr>
<td>Set</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
</tr>
<tr>
<td>public: property <code>InArgument&lt;IDictionary&lt;TKey, TValue&gt;^&gt;</code> Dictionary</td>
</tr>
<tr>
<td><code>InArgument&lt;IDictionary&lt;TKey, TValue&gt;^&gt;</code> get</td>
</tr>
<tr>
<td>void set (<code>InArgument&lt;IDictionary&lt;TKey, TValue&gt;^</code>)</td>
</tr>
</tbody>
</table>
See Also

ValueExistsInDictionary(TKey, TValue) Class
ValueExistsInDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Statements Namespace
ValueExistsInDictionary(TKey, TValue).Value Property

Gets or sets Key.

**Namespace:** Microsoft.Activities.Extensions.Statements

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public <code>InArgument&lt;TValue&gt;</code> Value { get; set; }</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>Public Property Value As <code>InArgument(Of TValue)</code></td>
</tr>
<tr>
<td></td>
<td>Get</td>
</tr>
<tr>
<td></td>
<td>Set</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>public: property <code>InArgument&lt;TValue&gt;^</code> Value {</td>
</tr>
<tr>
<td></td>
<td><code>InArgument&lt;TValue&gt;^</code> get ();</td>
</tr>
<tr>
<td></td>
<td>void set (<code>InArgument&lt;TValue&gt;^</code> value);</td>
</tr>
</tbody>
</table>
See Also

ValueExistsInDictionary(TKey, TValue) Class
ValueExistsInDictionary(TKey, TValue) Members
Microsoft.Activities.Extensions.Statements Statements Namespace
Microsoft.Activities.Extensions

Microsoft.Activities.Extensions.Tracking Namespace

Send Feedback

Provides helper classes for tracking
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<tr>
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<th>Description</th>
</tr>
</thead>
<tbody>
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<td><code>ActivityScheduledRecordExtensions</code></td>
<td>Extension methods for <code>ActivityScheduledRecord</code></td>
</tr>
<tr>
<td><code>ActivityStateRecordExtensions</code></td>
<td>Extension methods for <code>ActivityStateRecord</code></td>
</tr>
<tr>
<td><code>BookmarkResumptionRecordExtensions</code></td>
<td>Extension methods for <code>BookmarkResumptionRecord</code></td>
</tr>
<tr>
<td><code>CancelRequestedRecordExtensions</code></td>
<td>Extensions for <code>CancelRequestedRecord</code></td>
</tr>
<tr>
<td><code>Constants</code></td>
<td>Constants used with <code>Workflow</code></td>
</tr>
<tr>
<td><code>CustomTrackingRecordExtensions</code></td>
<td>Extension methods for <code>CustomTrackingRecord</code></td>
</tr>
<tr>
<td><code>FaultPropagationRecordExtensions</code></td>
<td>Extensions for <code>FaultPropagationRecord</code></td>
</tr>
<tr>
<td><code>FileTracker</code></td>
<td>A tracking participant that writes to a file</td>
</tr>
<tr>
<td><code>ListExtensions</code></td>
<td>The list extension</td>
</tr>
<tr>
<td><code>ListTrackingParticipant</code></td>
<td>The memory tracking participant</td>
</tr>
<tr>
<td><code>ReceiveMessageRecordExtensions</code></td>
<td>Extensions to the <code>ReceiveMessageRecord</code></td>
</tr>
<tr>
<td><code>SendMessageRecordExtensions</code></td>
<td>Extensions for the <code>SendMessageRecord</code></td>
</tr>
<tr>
<td><code>TrackingHelper</code></td>
<td>Helper methods for tracking</td>
</tr>
<tr>
<td><code>TrackingRecordExtensions</code></td>
<td>The tracking record extension</td>
</tr>
<tr>
<td><code>TypedTrackingParticipant</code></td>
<td>A tracking participant that includes typed</td>
</tr>
<tr>
<td></td>
<td>overloads of the <code>Track</code> method</td>
</tr>
<tr>
<td><code>WorkflowInstanceAbortedRecordExtensions</code></td>
<td>The workflow instance aborted record extension</td>
</tr>
<tr>
<td><code>WorkflowInstanceRecordExtensions</code></td>
<td>Extension methods for <code>WorkflowInstanceRecord</code></td>
</tr>
<tr>
<td><code>WorkflowInstanceSuspendedRecordExtensions</code></td>
<td>The workflow instance suspended record extension</td>
</tr>
<tr>
<td><strong>WorkflowInstanceTerminatedRecordExtensions</strong></td>
<td>The workflow instance terminated record extensions.</td>
</tr>
<tr>
<td><strong>WorkflowInstanceUnhandledExceptionRecordExtensions</strong></td>
<td>The workflow instance UnhandledException record extensions.</td>
</tr>
<tr>
<td><strong>XamlHelper</strong></td>
<td>Helpers for dealing with XAML and XAMLLX files</td>
</tr>
</tbody>
</table>
## Interfaces

<table>
<thead>
<tr>
<th>Interface</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICustomTrackingTrace</td>
<td>Implement this interface to output a custom tracking trace</td>
</tr>
</tbody>
</table>
### Enumerations

<table>
<thead>
<tr>
<th>Enumeration</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TrackingOptions</td>
<td>Determines which elements of the tracking record will be included in the trace</td>
</tr>
<tr>
<td>WorkflowInstanceRecordState</td>
<td>The workflow instance states.</td>
</tr>
<tr>
<td>WorkflowXamlFileType</td>
<td>Types of XAML artifacts for Workflow</td>
</tr>
</tbody>
</table>
Extension methods for ActivityScheduledRecordExtensions

**Namespace:** Microsoft.Activities.Extensions.Tracking  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public static class ActivityScheduledRecordExtensions</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>&lt;ExtensionAttribute&gt; _ Public NotInheritable Class ActivityScheduledRecordExtensions</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>[ExtensionAttribute] public ref class ActivityScheduledRecordExtensions</code></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.Tracking.ActivityScheduledRecordExtens
See Also

ActivityScheduledRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The `ActivityScheduledRecordExtensions` type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ToFormattedString</td>
<td>Returns the record as a formatted string</td>
</tr>
<tr>
<td>Trace</td>
<td>Provides a human readable trace</td>
</tr>
</tbody>
</table>
See Also

ActivityScheduledRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
The `ActivityScheduledRecordExtensions` type exposes the following members.
## Methods

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<td>ToFormattedString</td>
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See Also

ActivityScheduledRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

ActivityScheduledRecordExtensions.ToFormattedString Method

ActivityScheduledRecordExtensions Class See Also Send Feedback

Returns the record as a formatted string

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public static string ToFormattedString(
    this ActivityScheduledRecord record,
    TrackingOptions options = TrackingOptions.Default
)
```

Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function ToFormattedString ( _
    record As ActivityScheduledRecord,
    Optional options As TrackingOptions = TrackingOptions.Default
) As String
```

Visual C++

```cpp
public:
    [ExtensionAttribute]
static String^ ToFormattedString( 
    ActivityScheduledRecord^ record,
    TrackingOptions options = TrackingOptions::Default
)
```

Parameters

- **record**
  Type: `System.Activities.Tracking.ActivityScheduledRecord`
The record to trace.

- **options** (Optional)
  Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
The tracking options to use, if not provided will use the TrackingOptions.Default value
**Return Value**
The formatted tracking record

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `ActivityScheduledRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/en-us/dotnet/visual-basic/extension-methods) or [Extension Methods (C# Programming Guide)](https://docs.microsoft.com/en-us/dotnet/csharp/extension-methods).
See Also

ActivityScheduledRecordExtensions Class
ActivityScheduledRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Provides a human readable trace

**Namespace:** [Microsoft.Activities.Extensions.Tracking](https://docs.microsoft.com/en-us/dotnet/api/microsoft.activities.extensions.tracking)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public static void Trace(
    this ActivityScheduledRecord record,
    TrackingOptions options = TrackingOptions.Default,
    TraceSource source = null)
```

### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Sub Trace ( _
    record As ActivityScheduledRecord, _
    Optional options As TrackingOptions = TrackingOptions.Optional,
    Optional source As TraceSource = Nothing _
)
```

### Visual C++

```cpp
public:
[ExtensionAttribute]
static void Trace(
    ActivityScheduledRecord^ record,
    TrackingOptions options = TrackingOptions::Default,
    TraceSource^ source = nullptr)
```

## Parameters

**record**
Type: `System.Activities.Tracking.ActivityScheduledRecord`
The record.

**options** (Optional)
Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
The tracking options to use, if not provided will use the TrackingOptions.Default value

`source` (Optional)
Type: `System.Diagnostics.TraceSource`
The source.

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `ActivityScheduledRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/en-us/dotnet/framework/visual-basic/extension-methods) or [Extension Methods (C# Programming Guide)](https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide/extension-methods).
See Also

ActivityScheduledRecordExtensions Class
ActivityScheduledRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Extension methods for CustomTrackingRecordExtensions

**Namespace:** Microsoft.Activities.Extensions.Tracking

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

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<th>Language</th>
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<tr>
<td><strong>C#</strong></td>
<td><code>public static class ActivityStateRecordExtensions</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>&lt;ExtensionAttribute&gt; _ Public NotInheritable Class ActivityStateRecordExtensions</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>[ExtensionAttribute] public ref class ActivityStateRecordExtensions abstract</code></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.Tracking.ActivityStateRecordExtensions
See Also

ActivityStateRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The `ActivityStateRecordExtensions` type exposes the following members.
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GetArgument(T)</td>
<td>Gets an argument</td>
</tr>
<tr>
<td>GetInstanceState</td>
<td>Converts the string representation of the ActivityStateRecord.State member to an ActivityInstanceState</td>
</tr>
<tr>
<td>GetVariable(T)</td>
<td>Gets a variable from the record</td>
</tr>
<tr>
<td>IsClosed</td>
<td>Determines if the ActivityStateRecord was in a closed state</td>
</tr>
<tr>
<td>IsExecuting</td>
<td>Determines if the ActivityStateRecord was in an Executing state</td>
</tr>
<tr>
<td>ToFormattedString</td>
<td>Returns the record as a formatted string</td>
</tr>
<tr>
<td>Trace</td>
<td>Provides a human readable trace</td>
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</table>
See Also

ActivityStateRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
The `ActivityStateRecordExtensions` type exposes the following members.
## Methods

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</tr>
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<tr>
<td>IsClosed</td>
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</table>
See Also

ActivityStateRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

ActivityStateRecordExtensions.GetArgument(T) Method

See Also: ActivityStateRecordExtensions Class

Gets an argument

**Namespace:** Microsoft.Activities.Extensions.Tracking

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public static T GetArgument<T>(
    this ActivityStateRecord record,
    string name
)
```

Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function GetArgument(Of T) (_
    record As ActivityStateRecord, _
    name As String _
) As T
```

Visual C++

```cpp
public:
    [ExtensionAttribute]
    generic<typename T>
    static T GetArgument(
        ActivityStateRecord^ record,
        String^ name
    )
```

Parameters

- **record**
  Type: `System.Activities.Tracking.ActivityStateRecord`
  The record.

- **name**
  Type: `System.String`
  The argument name.
- **Type Parameters**

  \[ T \]
  
  The type of the argument

- **Return Value**

  The argument

- **Usage Note**

  In Visual Basic and C#, you can call this method as an instance method on any object of type `ActivityStateRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](ExtensionMethods(VisualBasic)) or [Extension Methods (C# Programming Guide)](ExtensionMethods(CSharpProgrammingGuide)).
## Exceptions

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<th>Condition</th>
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</thead>
<tbody>
<tr>
<td>System.ArgumentNullException</td>
<td>The record is null</td>
</tr>
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</table>
See Also

ActivityStateRecordExtensions Class
ActivityStateRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

ActivityStateRecordExtensions.GetInstanceState Method
ActivityStateRecordExtensions Class  See Also  Send Feedback

Converts the string representation of the ActivityStateRecord.State member to an ActivityInstanceState

**Namespace**: Microsoft.Activities.Extensions.Tracking  
**Assembly**: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
Version: 2.0.6.9 (2.0.6.9)
C#

```csharp
public static ActivityInstanceState GetInstanceState(this ActivityStateRecord record)
```

Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function GetInstanceState ( _
    record As ActivityStateRecord _
) As ActivityInstanceState
```

Visual C++

```cpp
public:
[ExtensionAttribute]
static ActivityInstanceState GetInstanceState(
    ActivityStateRecord^ record
)
```

**Parameters**

*record*
Type: `System.Activities.Tracking.ActivityStateRecord`
The record.

**Return Value**
An `ActivityInstanceState`

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any
object of type ActivityStateRecord. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>System.ArgumentOutOfRangeException</code></td>
<td>The string cannot be converted to the enum value</td>
</tr>
</tbody>
</table>
See Also

ActivityStateRecordExtensions Class
ActivityStateRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Gets a variable from the record

**Namespace:** [Microsoft.Activities.Extensions.Tracking](https://www.microsoft.com)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public static T GetVariable<T>(
    this ActivityStateRecord record,
    string name
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Function GetVariable(Of T) ( _
    record As ActivityStateRecord, _
    name As String _
) As T
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
    generic<typename T>
    static T GetVariable(
        ActivityStateRecord^ record,
        String^ name
    )
```

### Parameters

**record**
Type: `System.Activities.Tracking.ActivityStateRecord`
The record.

**name**
Type: `System.String`
The variable name.
**Type Parameters**

*T*

The type of the variable

**Return Value**

The variable

**Usage Note**

In Visual Basic and C#, you can call this method as an instance method on any object of type *ActivityStateRecord*. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/en-us/dotnet/visual-basic/extension-methods) or [Extension Methods (C# Programming Guide)](https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide/extension-methods).
See Also

ActivityStateRecordExtensions Class
ActivityStateRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

ActivityStateRecordExtensions.IsClosed Method

ActivityStateRecordExtensions Class  See Also  Send Feedback

Determines if the ActivityStateRecord was in a closed state

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
**Syntax**

**C#**

```csharp
public static bool IsClosed(
    this ActivityStateRecord record
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Function IsClosed ( _
    record As ActivityStateRecord _
) As Boolean
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
static bool IsClosed(
    ActivityStateRecord^ record
)
```

**Parameters**

*record*

Type: `System.Activities.Tracking.ActivityStateRecord`

The record.

**Return Value**

true if the activity was closed

**Usage Note**

In Visual Basic and C#, you can call this method as an instance method on any
object of type `ActivityStateRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see `Extension Methods (Visual Basic)` or `Extension Methods (C# Programming Guide)`.
See Also

ActivityStateRecordExtensions Class
ActivityStateRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

ActivityStateRecordExtensions.IsExecuting Method

Determines if the ActivityStateRecord was in an Executing state

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public static bool IsExecuting(
    this ActivityStateRecord record
)
```

Visual Basic

```vbasic
<ExtensionAttribute> _
Public Shared Function IsExecuting ( _
    record As ActivityStateRecord _
) As Boolean
```

Visual C++

```cpp
public:
    [ExtensionAttribute]
static bool IsExecuting(
    ActivityStateRecord^ record
)
```

Parameters

`record`
Type: `System.Activities.Tracking.ActivityStateRecord`
The record.

Return Value

true if the activity was Executing

Usage Note

In Visual Basic and C#, you can call this method as an instance method on any
object of type ActivityStateRecord. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

ActivityStateRecordExtensions Class
ActivityStateRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Returns the record as a formatted string

**Namespace**: Microsoft.Activities.Extensions.Tracking

**Assembly**: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
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<tbody>
<tr>
<td><strong>C#</strong></td>
</tr>
<tr>
<td>public static string ToFormattedString(</td>
</tr>
<tr>
<td>this ActivityStateRecord record,</td>
</tr>
<tr>
<td>TrackingOptions options = TrackingOptions.Default)</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
</tr>
<tr>
<td>&lt;ExtensionAttribute&gt; _</td>
</tr>
<tr>
<td>Public Shared Function ToFormattedString ( _</td>
</tr>
<tr>
<td>record As ActivityStateRecord, _</td>
</tr>
<tr>
<td>Optional options As TrackingOptions = TrackingOptions )</td>
</tr>
<tr>
<td>As String</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
</tr>
<tr>
<td>public:</td>
</tr>
<tr>
<td>[ExtensionAttribute]</td>
</tr>
<tr>
<td>static String^ ToFormattedString(</td>
</tr>
<tr>
<td>ActivityStateRecord^ record,</td>
</tr>
<tr>
<td>TrackingOptions options = TrackingOptions::Default)</td>
</tr>
</tbody>
</table>

### Parameters

**record**
Type: System.Activities.Tracking.ActivityStateRecord
The record to trace.

**options (Optional)**
Type: Microsoft.Activities.Extensions.Tracking.TrackingOptions
The tracking options to use, if not provided will use the TrackingOptions.Default value
**Return Value**
The formatted tracking record

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `ActivityStateRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/en-us/dotnet/visual-basic/extension-methods) or [Extension Methods (C# Programming Guide)](https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide/extension-methods).
See Also

- ActivityStateRecordExtensions Class
- ActivityStateRecordExtensions Members
- Microsoft.Activities.Extensions.Tracking Namespace
Provides a human readable trace

**Namespace:** Microsoft.Activities.Extensions.Tracking  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

**C#**

```csharp
public static void Trace(
    this ActivityStateRecord record,
    TrackingOptions options = TrackingOptions.Default,
    TraceSource source = null
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Sub Trace ( _
    record As ActivityStateRecord, _
    Optional options As TrackingOptions = TrackingOptions.Optional,
    Optional source As TraceSource = Nothing _
)
```

**Visual C++**

```cpp
public:
[ExtensionAttribute]
static void Trace(
    ActivityStateRecord^ record,
    TrackingOptions options = TrackingOptions::Default,
    TraceSource^ source = nullptr
)
```

---

### Parameters

- **record**
  - Type: `System.Activities.Tracking.ActivityStateRecord`
  - The record.

- **options** (Optional)
Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
The tracking options to use, if not provided will use the TrackingOptions.Default value

`source` (Optional)
Type: `System.Diagnostics.TraceSource`
The source.

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `ActivityStateRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

ActivityStateRecordExtensions Class
ActivityStateRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Extension methods for BookmarkResumptionRecord

**Namespace:** [Microsoft.Activities.Extensions.Tracking](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

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<tr>
<th>Language</th>
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<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public static class BookmarkResumptionRecordExtensions</code></td>
</tr>
</tbody>
</table>
| **Visual Basic** | `<ExtensionAttribute> _
Public NotInheritable Class BookmarkResumptionRecordExtensions` |
| **Visual C++** | `[ExtensionAttribute]
public ref class BookmarkResumptionRecordExtensions a` |
Inheritance Hierarchy

System.Object
See Also

- BookmarkResumptionRecordExtensions Members
- Microsoft.Activities.Extensions.Tracking Namespace
The `BookmarkResumptionRecordExtensions` type exposes the following members.
## Methods

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<tr>
<td>ToFormattedString</td>
<td>Returns the record as a formatted string</td>
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<td>Trace</td>
<td>Provides a human readable trace</td>
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</table>
### See Also

- [BookmarkResumptionRecordExtensions Class](#)
- [Microsoft.Activities.Extensions.Tracking Namespace](#)
The `BookmarkResumptionRecordExtensions` type exposes the following members.
### Methods

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</tbody>
</table>
See Also

BookmarkResumptionRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

BookmarkResumptionRecordExtensions.ToFormattedString Method

BookmarkResumptionRecordExtensions Class  See Also  Send Feedback

Returns the record as a formatted string

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

public static string ToFormattedString(
    this BookmarkResumptionRecord record,
    TrackingOptions options = TrackingOptions.Default
)

Visual Basic

<ExtensionAttribute> _
Public Shared Function ToFormattedString ( _
    record As BookmarkResumptionRecord, _
    Optional options As TrackingOptions = TrackingOptions.Default
) As String

Visual C++

public:
    [ExtensionAttribute]
static String^ ToFormattedString( 
    BookmarkResumptionRecord^ record,
    TrackingOptions options = TrackingOptions::Default
)

Parameters

record
Type: System.Activities.Tracking.BookmarkResumptionRecord
The record to trace.

options (Optional)
Type: Microsoft.Activities.Extensions.Tracking.TrackingOptions
The tracking options to use, if not provided will use the TrackingOptions.Default value
**Return Value**
The formatted tracking record

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `BookmarkResumptionRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](Extension Methods (Visual Basic)) or [Extension Methods (C# Programming Guide)](Extension Methods (C# Programming Guide)).
See Also

- BookmarkResumptionRecordExtensions Class
- BookmarkResumptionRecordExtensions Members
- Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

BookmarkResumptionRecordExtensions.Trace Method

Provides a human readable trace

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
**Syntax**

### C#

```csharp
public static void Trace(
    this BookmarkResumptionRecord record,
    TrackingOptions options = TrackingOptions.Default,
    TraceSource source = null)
```

### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Sub Trace (_,
    record As BookmarkResumptionRecord, _
    Optional options As TrackingOptions = TrackingOptions.Optional,
    Optional source As TraceSource = Nothing _
)
```

### Visual C++

```cpp
public:
    [ExtensionAttribute]
    static void Trace(,
        BookmarkResumptionRecord^ record, 
        TrackingOptions options = TrackingOptions::Default, 
        TraceSource^ source = nullptr)
```

**Parameters**

- **record**
  
  Type: `System.Activities.Tracking.BookmarkResumptionRecord`
  
  The record.

- **options** (Optional)
Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
The tracking options to use, if not provided will use the TrackingOptions.Default value

`source` (Optional)
Type: `System.Diagnostics.TraceSource`
The source.

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `BookmarkResumptionRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/en-us/dotnet/visual-basic/programming-guide/language-features/methods) or [Extension Methods (C# Programming Guide)](https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide/methods).

See Also

- BookmarkResumptionRecordExtensions Class
- BookmarkResumptionRecordExtensions Members
- Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

CancelRequestedRecordExtensions Class

Extensions for the CancelRequestedRecord class

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
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<th>Visual Basic</th>
<th>Visual C++</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>public static class CancelRequestedRecordExtensions</td>
<td>&lt;ExtensionAttribute&gt; _</td>
<td>[ExtensionAttribute]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Public NotInheritable Class CancelRequestedRecordExtensions</td>
<td>public ref class CancelRequestedRecordExtensions abstract</td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object

Microsoft.Activities.Extensions.Tracking.CancelRequestedRecordExtensions
See Also

CancelRequestedRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The `CancelRequestedRecordExtensions` type exposes the following members.
## Methods

<table>
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<tr>
<td>ToFormattedString</td>
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See Also

CancelRequestedRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
The `CancelRequestedRecordExtensions` type exposes the following members.
## Methods

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</tbody>
</table>
See Also

CancelRequestedRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

**CancelRequestedRecordExtensions.ToFormattedString Method**

**Namespace:** Microsoft.Activities.Extensions.Tracking

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Returns the record as a formatted string
## Syntax

### C#

| public static string ToFormattedString( |
| this CancelRequestedRecord record, |
| TrackingOptions options = TrackingOptions.Default |
| ) |

### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function ToFormattedString ( _
    record As CancelRequestedRecord, _
    Optional options As TrackingOptions = TrackingOptions.Default |
) As String |
```

### Visual C++

```cpp
public:
    [ExtensionAttribute]
static String^ ToFormattedString( |
    CancelRequestedRecord^ record, |
    TrackingOptions options = TrackingOptions::Default |
) |
```

## Parameters

**record**
- **Type:** System.Activities.Tracking.CancelRequestedRecord
- The record to trace.

**options** (Optional)
- **Type:** Microsoft.Activities.Extensions.Tracking.TrackingOptions
- The tracking options to use, if not provided will use the TrackingOptions.Default value.
**Return Value**
The formatted tracking record

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type [CancelRequestedRecord](#). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](#) or [Extension Methods (C# Programming Guide)](#).
See Also

- [CancelRequestedRecordExtensions Class](#)
- [CancelRequestedRecordExtensions Members](#)
- [Microsoft.Activities.Extensions.Tracking Namespace](#)
Provides a human readable trace

**Namespace:** [Microsoft.Activities.Extensions.Tracking](https://docs.microsoft.com/en-us/dotnet/api/microsoft.activities.extensions.tracking)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public static void Trace(
    this CancelRequestedRecord record,
    TrackingOptions options = TrackingOptions.Default,
    TraceSource source = null
)
```

### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Sub Trace (_
    record As CancelRequestedRecord, _
    Optional options As TrackingOptions = TrackingOptions.Default,
    Optional source As TraceSource = Nothing _
)
```

### Visual C++

```cpp
public:
    [ExtensionAttribute]
static void Trace(
    CancelRequestedRecord^ record,
    TrackingOptions options = TrackingOptions::Default,
    TraceSource^ source = nullptr
)
```

## Parameters

**record**
Type: [System.Activities.Tracking.CancelRequestedRecord](#)
The record.

**options** (Optional)
Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
The tracking options to use, if not provided will use the TrackingOptions.Default value

`source` (Optional)
Type: `System.Diagnostics.TraceSource`
The source.

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `CancelRequestedRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

CancelRequestedRecordExtensions Class
CancelRequestedRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Constants Class

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
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<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public static class Constants</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public NotInheritable Class Constants</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public ref class Constants abstract sealed</code></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.Tracking.Constants
See Also

Constants Members
Microsoft.Activities.Extensions.Tracking Namespace
The `Constants` type exposes the following members.
### Fields

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<thead>
<tr>
<th>Name</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>XamlExt</td>
<td>XAML Extension</td>
</tr>
<tr>
<td>XamlxExt</td>
<td>XAMLX Extension</td>
</tr>
</tbody>
</table>
See Also

Constants Class
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

Constants Fields

Constants Class See Also Send Feedback

The Constants type exposes the following members.
### Fields

<table>
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<tr>
<td>XamlxExt</td>
<td>XAMLX Extension</td>
</tr>
</tbody>
</table>
See Also

Constants Class
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

Constants.XamlExt Field

Constants Class See Also Send Feedback

XAML Extension

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```
public const string XamlExt
```

**Visual Basic**

```
Public Const XamlExt As String
```

**Visual C++**

```
public:
    literal String^ XamlExt
```
See Also

Constants Class
Constants Members
Microsoft.Activities.Extensions.Tracking Namespace
XAMLX Extension

**Namespace:** [Microsoft.Activities.Extensions.Tracking](https://github.com/Microsoft/Activities.Extensions)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

<table>
<thead>
<tr>
<th>Language</th>
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<tbody>
<tr>
<td>C#</td>
<td><code>public const string XamlXExt</code></td>
</tr>
<tr>
<td>Visual Basic</td>
<td><code>Public Const XamlXExt As String</code></td>
</tr>
<tr>
<td>Visual C++</td>
<td><code>public: literal String^ XamlXExt</code></td>
</tr>
</tbody>
</table>
See Also

Constants Class
Constants Members
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

CustomTrackingRecordExtensions Class

Members  See Also  Send Feedback

Extension methods for CustomTrackingRecordExtensions

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

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<td><strong>C#</strong></td>
<td><code>public static class CustomTrackingRecordExtensions</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>&lt;ExtensionAttribute&gt; _ Public NotInheritable Class CustomTrackingRecordExtensions</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>[ExtensionAttribute] public ref class CustomTrackingRecordExtensions abst</code></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.Tracking.CustomTrackingRecordExtensions
See Also

CustomTrackingRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The **CustomTrackingRecordExtensions** type exposes the following members.
## Methods

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<tr>
<td>ToFormattedString</td>
<td>Returns the record as a formatted string</td>
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<tr>
<td>Trace</td>
<td>Provides a human readable trace</td>
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See Also

CustomTrackingRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
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See Also

CustomTrackingRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
Returns the record as a formatted string

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
**Syntax**

**C#**

```csharp
public static string ToFormattedString(
    this CustomTrackingRecord record,
    TrackingOptions options = TrackingOptions.Default
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Function ToFormattedString ( _
    record As CustomTrackingRecord, _
    Optional options As TrackingOptions = TrackingOptions.Default
) As String
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
static String^ ToFormattedString(
    CustomTrackingRecord^ record,
    TrackingOptions options = TrackingOptions::Default
)
```

**Parameters**

*record*
Type: [System.Activities.Tracking.CustomTrackingRecord](#)
The record to trace.

*options* (Optional)
Type: [Microsoft.Activities.Extensions.Tracking.TrackingOptions](#)
The tracking options to use, if not provided will use the TrackingOptions.Default value
**Return Value**
The formatted tracking record

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `CustomTrackingRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](link) or [Extension Methods (C# Programming Guide)](link).
See Also

CustomTrackingRecordExtensions Class
CustomTrackingRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Provides a human readable trace


**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public static void Trace(
    this CustomTrackingRecord record,
    TrackingOptions options = TrackingOptions.Default,
    TraceSource source = null
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Sub Trace ( _
    record As CustomTrackingRecord, _
    Optional options As TrackingOptions = TrackingOptions.Optional,
    Optional source As TraceSource = Nothing _
)
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
    static void Trace(
        CustomTrackingRecord^ record,
        TrackingOptions options = TrackingOptions::Default,
        TraceSource^ source = nullptr
    )
```

### Parameters

**record**

Type: `System.Activities.Tracking.CustomTrackingRecord`

The record.

**options** (Optional)
Type: Microsoft.Activities.Extensions.Tracking.TrackingOptions
The tracking options to use, if not provided will use the TrackingOptions.Default value

source (Optional)
Type: System.Diagnostics.TraceSource
The source.

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any object of type CustomTrackingRecord. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

CustomTrackingRecordExtensions Class
CustomTrackingRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Extensions for the FaultPropagationRecord class


**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

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<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
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</table>
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.Tracking.FaultPropagationRecordExtension
See Also

FaultPropagationRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The **FaultPropagationRecordExtensions** type exposes the following members.
## Methods

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<td>ToFormattedString</td>
<td>Returns the record as a formatted string</td>
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<tr>
<td>Trace</td>
<td>Provides tracing for a FaultPropagation record</td>
</tr>
</tbody>
</table>
See Also

FaultPropagationRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
The `FaultPropagationRecordExtensions` type exposes the following members.
### Methods

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### See Also

- **FaultPropagationRecordExtensions Class**
- **Microsoft.Activities.Extensions.Tracking Namespace**
Microsoft.Activities.Extensions

FaultPropagationRecordExtensions.ToFormattedString Method

Returns the record as a formatted string

**Namespace:** [Microsoft.Activities.Extensions.Tracking](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

### C#

```csharp
public static string ToFormattedString(
    this FaultPropagationRecord record,
    TrackingOptions options = TrackingOptions.Default
)
```

### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function ToFormattedString (_
    record As FaultPropagationRecord, _
    Optional options As TrackingOptions = TrackingOptions.Default
) As String
```

### Visual C++

```cpp
public:
    [ExtensionAttribute]
static String^ ToFormattedString(   
    FaultPropagationRecord^ record,  
    TrackingOptions options = TrackingOptions::Default
)
```

### Parameters

**record**
Type: `System.Activities.Tracking.FaultPropagationRecord`
The record to trace.

**options** (Optional)
Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
The tracking options to use, if not provided will use the TrackingOptions.Default value
**Return Value**

The formatted tracking record

**Usage Note**

In Visual Basic and C#, you can call this method as an instance method on any object of type `FaultPropagationRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/dotnet/visual-basic/extension-methods) or [Extension Methods (C# Programming Guide)](https://docs.microsoft.com/dotnet/csharp/programming-guide/extension-methods).
See Also

- FaultPropagationRecordExtensions Class
- FaultPropagationRecordExtensions Members
- Microsoft.Activities.Extensions.Tracking Namespace
Provides tracing for a FaultPropagation record


**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
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<tr>
<th>C#</th>
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</table>
| `public static void Trace(
  this FaultPropagationRecord record,
  TrackingOptions options = TrackingOptions.Default,
  TraceSource source = null
) ` |

<table>
<thead>
<tr>
<th>Visual Basic</th>
</tr>
</thead>
</table>
| `<ExtensionAttribute> _
Public Shared Sub Trace ( _
  record As FaultPropagationRecord, _
  Optional options As TrackingOptions = TrackingOptions.Optional,
  Optional source As TraceSource = Nothing _
) ` |

<table>
<thead>
<tr>
<th>Visual C++</th>
</tr>
</thead>
</table>
| `public:
[ExtensionAttribute]
static void Trace(
  FaultPropagationRecord^ record,
  TrackingOptions options = TrackingOptions::Default,
  TraceSource^ source = nullptr
) ` |

### Parameters

- **record**
  Type: [System.Activities.Tracking.FaultPropagationRecord](#)
  The record.

- **options** (Optional)
Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
The tracking options to use, if not provided will use the TrackingOptions.Default value

`source` (Optional)
Type: `System.Diagnostics.TraceSource`
The source.

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `FaultPropagationRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

FaultPropagationRecordExtensions Class
FaultPropagationRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
A tracking participant that writes to a file using Async I/O

**Namespace:** [Microsoft.Activities.Extensions.Tracking](https://github.com/Microsoft/Activities/blob/master/docs/Source/Microsoft.Activities.Extensions/Tracking/TrackingSample/impl/TrackingSample.cs)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

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<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public sealed class FileTracker : TrackingParticipant, IDisposable</code></td>
</tr>
</tbody>
</table>
| **Visual Basic** | `Public NotInheritable Class FileTracker _
Inherits TrackingParticipant _
Implements IDisposable` |
| **Visual C++** | `public ref class FileTracker sealed : public TrackingParticipant, IDisposable` |
Inheritance Hierarchy

System.Object
System.Activities.Tracking.TrackingParticipant
Microsoft.Activities.Extensions.Tracking.FileTracker
See Also

FileTracker Members
Microsoft.Activities.Extensions.Tracking Namespace
The FileTracker type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>FileTracker(String)</code></td>
<td>Initializes a new instance of the <code>FileTracker</code> class.</td>
</tr>
<tr>
<td><code>FileTracker(String, Encoding)</code></td>
<td>Initializes a new instance of the <code>FileTracker</code> class.</td>
</tr>
</tbody>
</table>
### Methods

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<tbody>
<tr>
<td><strong>BeginTrack</strong></td>
<td>When implemented in a derived class, used to synchronously process the tracking record. (Overrides TrackingParticipant.BeginTrack(TrackingRecord, TimeSpan, AsyncCallback, Object).)</td>
</tr>
<tr>
<td><strong>Dispose</strong></td>
<td>Performs application-defined tasks associated with freeing, releasing, or resetting unmanaged resources.</td>
</tr>
<tr>
<td><strong>EndTrack</strong></td>
<td>When implemented in a derived class, represents the end of an asynchronous tracking operation. (Overrides TrackingParticipant.EndTrack(IAsyncResult).)</td>
</tr>
<tr>
<td><strong>Equals</strong></td>
<td>Determines whether the specified Object is equal to the current Object. (Inherited from Object.)</td>
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<tr>
<td><strong>Finalize</strong></td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Serves as a hash function for a particular type. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the Type of the current instance. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>ToString</strong></td>
<td>Returns a String that represents the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>Track</strong></td>
<td>When implemented in a derived class, used to synchronously process the tracking record. (Overrides TrackingParticipant.Track(TrackingRecord, TimeSpan).)</td>
</tr>
</tbody>
</table>
## Properties

<table>
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<tr>
<th>Name</th>
<th>Description</th>
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<tr>
<td>TrackingProfile</td>
<td>The tracking profile object used by the tracking participant. Before adding the tracking participant to the workflow extensions, the tracking profile is set on the participant. (Inherited from TrackingParticipant.)</td>
</tr>
</tbody>
</table>
See Also

FileTracker Class
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

**FileTracker Constructor**

FileTracker Class  See Also  Send Feedback
## Overload List

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</thead>
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<tr>
<td><code>FileTracker(String)</code></td>
<td>Initializes a new instance of the <code>FileTracker</code> class.</td>
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<tr>
<td><code>FileTracker(String, Encoding)</code></td>
<td>Initializes a new instance of the <code>FileTracker</code> class.</td>
</tr>
</tbody>
</table>
See Also

FileTracker Class
FileTracker Members
Microsoft.Activities.Extensions.Tracking Namespace
FileTracker Constructor (String)

Initializes a new instance of the FileTracker class.

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
**Syntax**

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<tr>
<td><strong>C#</strong></td>
<td><code>public FileTracker(string path)</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Sub New (_path As String _)</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public: FileTracker( String^ path )</code></td>
</tr>
</tbody>
</table>

**Parameters**

*path*
Type: `System.String`
The file name.
See Also

FileTracker Class
FileTracker Members
FileTracker Overload
Microsoft.Activities.Extensions.Tracking Namespace
FileTracker Constructor (String, Encoding)

FileTracker Class  See Also  Send Feedback

Initializes a new instance of the FileTracker class.

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public FileTracker(
    string path,
    Encoding encoding
)
```

**Visual Basic**

```vbnet
Public Sub New ( _
    path As String, _
    encoding As Encoding _
)
```

**Visual C++**

```cpp
public:
FileTracker(
    String^ path,
    Encoding^ encoding
)
```

### Parameters

*path*

Type: `System.String`

The path.

*encoding*

Type: `System.Text.Encoding`

The encoding.
See Also

- FileTracker Class
- FileTracker Members
- FileTracker Overload
- Microsoft.Activities.Extensions.Tracking Namespace
The **FileTracker** type exposes the following members.
## Methods

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<td><strong>Dispose</strong></td>
<td>Performs application-defined tasks associated with freeing, releasing, or resetting unmanaged resources.</td>
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<td><strong>EndTrack</strong></td>
<td>When implemented in a derived class, represents the end of an asynchronous tracking operation. (Overrides TrackingParticipant.EndTrack(IAsyncResult).)</td>
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<tr>
<td><strong>ToString</strong></td>
<td>Returns a String that represents the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>Track</strong></td>
<td>When implemented in a derived class, used to synchronously process the tracking record. (Overrides TrackingParticipant.Track(TrackingRecord, TimeSpan).)</td>
</tr>
</tbody>
</table>
See Also

FileTracker Class
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

FileTracker.BeginTrack Method

See Also Send Feedback

When implemented in a derived class, used to synchronously process the tracking record.

**Namespace:** Microsoft.Activities.Extensions.Tracking  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
protected override IAsyncResult BeginTrack(
    TrackingRecord record,
    TimeSpan timeout,
    AsyncCallback callback,
    Object state
)
```

#### Visual Basic

```vbnet
Protected Overrides Function BeginTrack (_
    record As TrackingRecord, _
    timeout As TimeSpan, _
    callback As AsyncCallback, _
    state As Object _
) As IAsyncResult
```

#### Visual C++

```cpp
protected:
    virtual IAsyncResult^ BeginTrack(
        TrackingRecord^ record,
        TimeSpan timeout,
        AsyncCallback^ callback,
        Object^ state
    ) override
```

### Parameters

**record**

Type: System.Activities.Tracking.TrackingRecord

The generated tracking record.
timeout
Type: System.TimeSpan
The time period after which the provider aborts the attempt.

callback
Type: System.AsyncCallback
The callback.

state
Type: System.Object
The state.

Return Value
The async result.
See Also

FileTracker Class
FileTracker Members
Microsoft.Activities.Extensions.Tracking Namespace
Performs application-defined tasks associated with freeing, releasing, or resetting unmanaged resources.

**Namespace:** Microsoft.Activities.Extensions.Tracking  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public void Dispose()
```

### Visual Basic

```vbnet
Public Sub Dispose
```

### Visual C++

```cpp
public:
virtual void Dispose() sealed
```

## Implements

`IDisposable.Dispose()`
See Also

FileTracker Class
FileTracker Members
Microsoft.Activities.Extensions.Tracking Namespace
When implemented in a derived class, represents the end of an asynchronous tracking operation.

**Namespace:** Microsoft.Activities.Extensions.Tracking

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

**C#**

```csharp
protected override void EndTrack(IAsyncResult result)
```

**Visual Basic**

```vbnet
Protected Overrides Sub EndTrack(_
    result As IAsyncResult _
)
```

**Visual C++**

```cpp
protected:
virtual void EndTrack(IAsyncResult^ result)
override
```

### Parameters

*result*

Type: `System.IAsyncResult`  
The status of the operation.
See Also

FileTracker Class
FileTracker Members
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

FileTracker.Track Method

FileTracker Class  See Also  Send Feedback

When implemented in a derived class, used to synchronously process the tracking record.

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

### C#

```csharp
protected override void Track(
    TrackingRecord record,
    TimeSpan timeout
)
```

### Visual Basic

```vbnet
Protected Overrides Sub Track ( _
    record As TrackingRecord, _
    timeout As TimeSpan _
)
```

### Visual C++

```cpp
protected:
virtual void Track(
    TrackingRecord^ record,
    TimeSpan timeout
)
``` override

Parameters

*record*

Type: `System.Activities.Tracking.TrackingRecord`

The generated tracking record.

*timeout*

Type: `System.TimeSpan`

The time period after which the provider aborts the attempt.
See Also

FileTracker Class
FileTracker Members
Microsoft.Activities.Extensions.Tracking Namespace
The **FileTracker** type exposes the following members.
### Properties

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<td>TrackingProfile</td>
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</table>
See Also

FileTracker Class
Microsoft.Activities.Extensions.Tracking Namespace
ICustomTrackingTrace Interface

Implement this interface to output a custom tracking trace

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
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<tr>
<td><strong>C#</strong></td>
</tr>
<tr>
<td>public interface ICustomTrackingTrace</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
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<tr>
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</tr>
<tr>
<td><strong>Visual C++</strong></td>
</tr>
<tr>
<td>public interface class ICustomTrackingTrace</td>
</tr>
</tbody>
</table>
See Also

ICustomTrackingTrace Members
Microsoft.Activities.Extensions.Tracking Namespace
The **ICustomTrackingTrace** type exposes the following members.
## Methods

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<tr>
<td>ToFormattedString</td>
<td>Returns a formatted string</td>
</tr>
<tr>
<td>Trace</td>
<td>Trace your tracking record</td>
</tr>
</tbody>
</table>
See Also

ICustomTrackingTrace Interface
Microsoft.Activities.Extensions.Tracking Namespace
The `ICustomTrackingTrace` type exposes the following members.
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</tr>
<tr>
<td>Trace</td>
<td>Trace your tracking record</td>
</tr>
</tbody>
</table>
See Also

ICustomTrackingTrace Interface
Microsoft.Activities.Extensions.Tracking Namespace
ICustomTrackingTrace.ToFormattedString Method

Returns a formatted string

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
string ToFormattedString(
    TrackingOptions options = TrackingOptions.Default
)
```

### Visual Basic

```vbnet
Function ToFormattedString ( _
    Optional options As TrackingOptions = TrackingOptions.Default
) As String
```

### Visual C++

```cpp
String^ ToFormattedString( 
    TrackingOptions options = TrackingOptions::Default
)
```

## Parameters

**options** (Optional)
Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`

The tracking options

## Return Value

The formatted string
See Also

ICustomTrackingTrace Interface
ICustomTrackingTrace Members
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

ICustomTrackingTrace.Trace Method

ICustomTrackingTrace Interface  See Also  Send Feedback

Trace your tracking record

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
void Trace(
    TrackingOptions options = TrackingOptions.Default,
    TraceSource source = null
)
```

**Visual Basic**

```vbnet
Sub Trace (_
    Optional options As TrackingOptions = TrackingOptions.Default,
    Optional source As TraceSource = Nothing _
)
```

**Visual C++**

```cpp
void Trace(
    TrackingOptions options = TrackingOptions::Default,
    TraceSource^ source = nullptr
)
```

### Parameters

*options* (Optional)
Type: [Microsoft.Activities.Extensions.Tracking.TrackingOptions](#)
The tracking options

*source* (Optional)
Type: [System.Diagnostics.TraceSource](#)
The trace source
See Also

ICustomTrackingTrace Interface
ICustomTrackingTrace Members
Microsoft.Activities.Extensions.Tracking Namespace
ListExtensions Class

The list extensions.

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Syntax Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public static class ListExtensions</code></td>
</tr>
</tbody>
</table>
| **Visual Basic** | `<ExtensionAttribute> _
Public NotInheritable Class ListExtensions` |
| **Visual C++** | `[ExtensionAttribute]
public ref class ListExtensions abstract sealed` |
Inheritance Hierarchy

- `System.Object`
See Also

ListExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The `ListExtensions` type exposes the following members.
# Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ToDelimitedList(IEnumerable(ActivityStateRecord))</strong></td>
<td>Converts a list of ActivityStateRecords to a comma delimited string with activity names</td>
</tr>
<tr>
<td><strong>ToDelimitedList(T)(IEnumerable(T))</strong></td>
<td>Converts a list of objects to a comma delimited string</td>
</tr>
<tr>
<td><strong>ToDelimitedStateList</strong></td>
<td>Converts a list of CustomTrackingRecord to a comma delimited string with activity names</td>
</tr>
</tbody>
</table>
See Also

ListExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
The `ListExtensions` type exposes the following members.
## Methods

<table>
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<th>Description</th>
</tr>
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<tbody>
<tr>
<td><strong>ToDelimitedList(IEnumerable(ActivityStateRecord))</strong></td>
<td>Converts a list of ActivityStateRecords to a comma delimited string with activity names</td>
</tr>
<tr>
<td><strong>ToDelimitedList(T)(IEnumerable(T))</strong></td>
<td>Converts a list of objects to a comma delimited string</td>
</tr>
<tr>
<td><strong>ToDelimitedStateList</strong></td>
<td>Converts a list of CustomTrackingRecords to a comma delimited string with activity names</td>
</tr>
</tbody>
</table>
See Also

ListExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

ListExtensions.ToDelimitedList Method

ListExtensions Class  See Also  Send Feedback
### Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>ToDelimitedList(IEnumerable(ActivityStateRecord))</code></td>
<td>Converts a list of <code>ActivityStateRecord</code> objects to a comma-delimited string with user activity names.</td>
</tr>
<tr>
<td><code>ToDelimitedList(T)(IEnumerable(T))</code></td>
<td>Converts a list of <code>T</code> objects to a comma-delimited string.</td>
</tr>
</tbody>
</table>
See Also

ListExtensions Class
ListExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

ListExtensions.ToDelimitedList Method
(IEnumerable(ActivityStateRecord))

ListExtensions Class See Also Send Feedback

Converts a list of ActivityStateRecords to a comma delimited string with activity names

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public static string ToDelimitedList(
    this IEnumerable<ActivityStateRecord> records)
```

Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function ToDelimitedList ( _
    records As IEnumerable(Of ActivityStateRecord)
) As String
```

Visual C++

```cpp
public:
    [ExtensionAttribute]
static String^ ToDelimitedList(
    IEnumerable<ActivityStateRecord^>^ records)
```

Parameters

`records`
Type: `System.Collections.Generic.IEnumerable<ActivityStateRecord>`
The records.

Return Value

The delimited list.

Usage Note

In Visual Basic and C#, you can call this method as an instance method on any
See Also

- ListExtensions Class
- ListExtensions Members
- ToDelimitedList Overload
- Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

ListExtensions.ToDelimitedList(T) Method (IEnumerable(T))

ListExtensions Class  See Also  Send Feedback

Converts a list of objects to a comma delimited string

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public static string ToDelimitedList<T>(
    this IEnumerable<T> objects
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Function ToDelimitedList(Of T) ( _
    objects As IEnumerable(Of T) _
) As String
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
    generic<typename T>
    static String^ ToDelimitedList(
        IEnumerable<T>^ objects
    )
```

### Parameters

- **objects**
  - Type: `System.Collections.Generic.IEnumerable<T>`
  - The records.
Type Parameters

T
The type

Return Value
The delimited list.

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any object of type IEnumerable(T). When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

ListExtensions Class
ListExtensions Members
ToDelimitedList Overload
Microsoft.Activities.Extensions.Tracking Namespace
Converts a list of CustomTrackingRecord to a comma delimited string with activity names

**Namespace:** Microsoft.Activities.Extensions.Tracking

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public static string ToDelimitedStateList(
    this IEnumerable<CustomTrackingRecord> records
)
```

Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function ToDelimitedStateList ( _
    records As IEnumerable(Of CustomTrackingRecord)
) As String
```

Visual C++

```cpp
public:
[ExtensionAttribute]
static String^ ToDelimitedStateList(
    IEnumerable<CustomTrackingRecord^>^ records
)
```

Parameters

records
Type: `System.Collections.Generic.IEnumerable<CustomTrackingRecord>`
The records.

Return Value
The delimited list.

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any
object of type `IEnumerable<CustomTrackingRecord>`. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

ListExtensions Class
ListExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The memory tracking participant.

**Namespace:** [Microsoft.Activities.Extensions.Tracking](https://github.com/Microsoft/activities-extensions)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public class ListTrackingParticipant : TrackingParticipant</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>Public Class ListTrackingParticipant _ Inherits TrackingParticipant</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>public ref class ListTrackingParticipant : public TrackingParticipant</td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

- `System.Object`
- `System.Activities.Tracking.TrackingParticipant`
See Also

ListTrackingParticipant Members
Microsoft.Activities.Extensions.Tracking Namespace
The `ListTrackingParticipant` type exposes the following members.
Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ListTrackingParticipant</td>
<td>Initializes a new instance of the ListTrackingParticipant class</td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BeginTrack</strong></td>
<td>When implemented in a derived class, begins asynchronous processing of the tracking record. (Inherited from TrackingParticipant.)</td>
</tr>
<tr>
<td><strong>EndTrack</strong></td>
<td>When implemented in a derived class, represents the end of an asynchronous tracking operation. (Inherited from TrackingParticipant.)</td>
</tr>
<tr>
<td><strong>Equals</strong></td>
<td>Determines whether the specified Object is equal to the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Serves as a hash function for a particular type. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the Type of the current instance. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>ToString</strong></td>
<td>Returns a String that represents the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>Track</strong></td>
<td>Stores a tracking record. (Overrrides TrackingParticipant.Track(TrackingRecord, TimeSpan).)</td>
</tr>
</tbody>
</table>
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Records</td>
<td>Gets Records.</td>
</tr>
<tr>
<td>TrackingProfile</td>
<td>The tracking profile object used by the tracking participant. Before adding the tracking participant to the workflow extensions, the tracking profile is set on the participant. (Inherited from TrackingParticipant.)</td>
</tr>
</tbody>
</table>
See Also

- ListTrackingParticipant Class
- Microsoft.Activities.Extensions.Tracking Namespace
Initializes a new instance of the `ListTrackingParticipant` class

**Namespace:** [Microsoft.Activities.Extensions.Tracking](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th></th>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public ListTrackingParticipant()</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>Public Sub New</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>public: ListTrackingParticipant()</td>
</tr>
</tbody>
</table>
See Also

ListTrackingParticipant Class
ListTrackingParticipant Members
Microsoft.Activities.Extensions.Tracking Namespace
The `ListTrackingParticipant` type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td><strong>BeginTrack</strong></td>
<td>When implemented in a derived class, begins asynchronous processing of the tracking record. (Inherited from TrackingParticipant.)</td>
</tr>
<tr>
<td><strong>EndTrack</strong></td>
<td>When implemented in a derived class, represents the end of an asynchronous tracking operation. (Inherited from TrackingParticipant.)</td>
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<tr>
<td><strong>ToString</strong></td>
<td>Returns a String that represents the current Object. (Inherited from Object.)</td>
</tr>
<tr>
<td><strong>Track</strong></td>
<td>Stores a tracking record. (Overrides TrackingParticipant.Track(TrackingRecord, TimeSpan).)</td>
</tr>
</tbody>
</table>
See Also

ListTrackingParticipant Class
Microsoft.Activities.Extensions.Tracking Namespace
Stores a tracking record.

**Namespace:** Microsoft.Activities.Extensions.Tracking  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
protected override void Track(
    TrackingRecord record,
    TimeSpan timeout
)
```

### Visual Basic

```vbnet
Protected Overrides Sub Track ( _
    record As TrackingRecord, _
    timeout As TimeSpan _
)
```

### Visual C++

```cpp
protected:
virtual void Track(
    TrackingRecord^ record,
    TimeSpan timeout
) override
```

## Parameters

- **record**
  Type: `System.Activities.Tracking.TrackingRecord`
  The record.

- **timeout**
  Type: `System.TimeSpan`
  The timeout.
See Also

ListTrackingParticipant Class
ListTrackingParticipant Members
Microsoft.Activities.Extensions.Tracking Namespace
The `ListTrackingParticipant` type exposes the following members.
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="icon" /> Records</td>
<td>Gets Records.</td>
</tr>
<tr>
<td><img src="image" alt="icon" /> TrackingProfile</td>
<td>The tracking profile object used by the tracking participant. Before adding the tracking participant to the workflow extensions, the tracking profile is set on the participant. (Inherited from TrackingParticipant.)</td>
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See Also

ListTrackingParticipant Class
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

ListTrackingParticipant.Records Property

Gets Records.

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
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<tbody>
<tr>
<td><strong>C#</strong></td>
</tr>
<tr>
<td>public SynchronizedReadOnlyCollection&lt;TrackingRecord&gt;</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
</tr>
<tr>
<td>Public ReadOnly Property Records As SynchronizedReadOnlyCollection&lt;TrackingRecord&gt; Get</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
</tr>
<tr>
<td>public: SynchronizedReadOnlyCollection&lt;TrackingRecord&gt; Records As SynchronizedReadOnlyCollection&lt;TrackingRecord&gt; Get</td>
</tr>
</tbody>
</table>
See Also

- ListTrackingParticipant Class
- ListTrackingParticipant Members
- Microsoft.Activities.Extensions.Tracking Namespace
Extensions to the ReceiveMessageRecord class

**Namespace:** [Microsoft.Activities.Extensions.Tracking](https://github.com/Microsoft/Activities/tree/master/.extensions)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
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<th>Language</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public static class ReceiveMessageRecordExtensions</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>&lt;ExtensionAttribute&gt; _ Public NotInheritable Class ReceiveMessageRecordExtensions</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>[ExtensionAttribute] public ref class ReceiveMessageRecordExtensions abstract</code></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object

Microsoft_ACTIVITIES_EXTENSIONS_TRACKING_RECEIVEMESSAGERECORDEXTENSION
See Also

ReceiveMessageRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The **ReceiveMessageRecordExtensions** type exposes the following members.
## Methods

<table>
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<th>Description</th>
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<tbody>
<tr>
<td>ToFormattedString</td>
<td>Returns the record as a formatted string</td>
</tr>
<tr>
<td>Trace</td>
<td>Provides a human readable trace</td>
</tr>
</tbody>
</table>
See Also

ReceiveMessageRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
The `ReceiveMessageRecordExtensions` type exposes the following members.
## Methods

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<td>ToFormattedString</td>
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<td>Trace</td>
<td>Provides a human readable trace</td>
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See Also

ReceiveMessageRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

ReceiveMessageRecordExtensions.ToFormattedString Method

ReceiveMessageRecordExtensions Class See Also Send Feedback

Returns the record as a formatted string

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public static string ToFormattedString(
    this ReceiveMessageRecord record,
    TrackingOptions options = TrackingOptions.Default
)
```

Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function ToFormattedString ( _
    record As ReceiveMessageRecord, _
    Optional options As TrackingOptions = TrackingOptions.Default
) As String
```

Visual C++

```cpp
public:
[ExtensionAttribute]
static String^ ToFormattedString(
    ReceiveMessageRecord^ record,
    TrackingOptions options = TrackingOptions::Default
)
```

Parameters

`record`
Type: `System.ServiceModel.Activities.Tracking.ReceiveMessageRecord`
The record to trace.

`options` (Optional)
Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
The tracking options to use, if not provided will use the TrackingOptions.Default value
Return Value
The formatted tracking record

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any object of type ReceiveMessageRecord. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

ReceiveMessageRecordExtensions Class
ReceiveMessageRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

ReceiveMessageRecordExtensions.Trace Method

ReceiveMessageRecordExtensions Class  See Also  Send Feedback

Provides a human readable trace

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

**C#**

```csharp
public static void Trace(
    this ReceiveMessageRecord record,
    TrackingOptions options = TrackingOptions.Default,
    TraceSource source = null)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Sub Trace ( _
    record As ReceiveMessageRecord, _
    Optional options As TrackingOptions = TrackingOptions.Optional, _
    Optional source As TraceSource = Nothing _
)
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
static void Trace(
    ReceiveMessageRecord^ record,
    TrackingOptions options = TrackingOptions::Default,
    TraceSource^ source = nullptr)
```

**Parameters**

**record**
Type: `System.ServiceModel.Activities.Tracking.ReceiveMessageRecord`
The record.

**options** (Optional)
Type: Microsoft.Activities.Extensions.Tracking.TrackingOptions
The tracking options to use, if not provided will use the TrackingRecordExtensions.Options value

source (Optional)
Type: System.Diagnostics.TraceSource
The source.

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any object of type ReceiveMessageRecord. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

ReceiveMessageRecordExtensions Class
ReceiveMessageRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Extensions for the SendMessageRecord type

**Namespace:** Microsoft.Activities.Extensions.Tracking

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
</tr>
<tr>
<td>public static class SendMessageRecordExtensions</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
</tr>
</tbody>
</table>
| <ExtensionAttribute> _
Public NotInheritable Class SendMessageRecordExtensions |
| **Visual C++** |
| [ExtensionAttribute]
public ref class SendMessageRecordExtensions abstract |
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.Tracking.SendMessageRecordExtensions
See Also

SendMessageRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The `SendMessageRecordExtensions` type exposes the following members.
## Methods

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<tbody>
<tr>
<td>ToFormattedString</td>
<td>Returns the record as a formatted string</td>
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<tr>
<td>Trace</td>
<td>Provides a human readable trace</td>
</tr>
</tbody>
</table>
See Also

SendMessageRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
The `SendMessageRecordExtensions` type exposes the following members.
## Methods

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<td><code>ToFormattedString</code></td>
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<td>Provides a human readable trace</td>
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</table>
See Also

SendMessageRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
SendMessageRecordExtensions.ToFormattedString Method

- **Namespace**: [Microsoft.Activities.Extensions.Tracking](#)
- **Assembly**: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Returns the record as a formatted string
## Parameters

**record**
Type: `System.ServiceModel.Activities.Tracking.SendMessageRecord`
The record to trace.

**options** (Optional)
Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
The tracking options to use, if not provided will use the TrackingOptions.Default value
**Return Value**
The formatted tracking record

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `SendMessageRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](Link) or [Extension Methods (C# Programming Guide)](Link).
See Also

SendMessageRecordExtensions Class
SendMessageRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

SendMessageRecordExtensions.Trace Method

Provides a human readable trace

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static void Trace(
    this SendMessageRecord record,
    TrackingOptions options = TrackingOptions.Default,
    TraceSource source = null
)
```

#### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Sub Trace (_
    record As SendMessageRecord, _
    Optional options As TrackingOptions = TrackingOptions.Optional,
    Optional source As TraceSource = Nothing _
)
```

#### Visual C++

```cpp
public:
    [ExtensionAttribute]
public static void Trace(
    SendMessageRecord^ record,
    TrackingOptions options = TrackingOptions::Default,
    TraceSource^ source = nullptr
)
```

### Parameters

**record**
Type: System.ServiceModel.Activities.Tracking.SendMessageRecord
The record.

**options** (Optional)
Type: Microsoft.Activities.Extensions.Tracking.TrackingOptions
The tracking options to use, if not provided will use the TrackingRecordExtensions.Options value

*source* (Optional)
Type: System.Diagnostics.TraceSource
The source.

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type SendMessageRecord. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

SendMessageRecordExtensions Class
SendMessageRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

TrackingHelper Class

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Helper methods for tracking
# Syntax

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
</tr>
<tr>
<td><code>public static class TrackingHelper</code></td>
<td></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td></td>
</tr>
<tr>
<td><code>Public NotInheritable Class TrackingHelper</code></td>
<td></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td></td>
</tr>
<tr>
<td><code>public ref class TrackingHelper abstract sealed</code></td>
<td></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.Tracking.TrackingHelper
See Also

TrackingHelper Members
Microsoft.Activities.Extensions.Tracking Namespace
The **TrackingHelper** type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GetRecordNumber</td>
<td>Returns the record number formatted as a string if indicated by the options</td>
</tr>
<tr>
<td>TraceDictionary(TKey, TValue)</td>
<td>Traces the contents of a dictionary</td>
</tr>
<tr>
<td>TraceInstance(StringBuilder, TrackingOptions, Guid, IDictionary(String, String), DateTime)</td>
<td>Traces additional data about a tracking record</td>
</tr>
<tr>
<td>TraceInstance(StringBuilder, TrackingOptions, Guid, IDictionary(String, String), IDictionary(String, Object), IDictionary(String, Object), IDictionary(String, Object), DateTime, Action)</td>
<td>Traces additional data about a tracking record</td>
</tr>
<tr>
<td>WriteTrace(StringBuilder, TraceSource)</td>
<td>The write trace.</td>
</tr>
<tr>
<td>WriteTrace(TrackingRecord, TrackingOptions, TraceSource)</td>
<td>The write trace.</td>
</tr>
</tbody>
</table>
### Fields

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EventTimeFormat</td>
<td>The event time format</td>
</tr>
</tbody>
</table>
See Also

TrackingHelper Class
Microsoft.Activities.Extensions.Tracking Namespace
The **TrackingHelper** type exposes the following members.
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EventTimeFormat</td>
<td>The event time format</td>
</tr>
</tbody>
</table>
See Also

TrackingHelper Class
Microsoft.Activities.Extensions.Tracking Namespace
The event time format

**Namespace:** [Microsoft.Activities.Extensions.Tracking](#)  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public const string EventTimeFormat</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Const EventTimeFormat As String</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public: literal String^ EventTimeFormat</code></td>
</tr>
</tbody>
</table>
See Also

TrackingHelper Class
TrackingHelper Members
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

TrackingHelper Methods

See Also

Send Feedback

The TrackingHelper type exposes the following members.
# Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GetRecordNumber</strong></td>
<td>Returns the record number formatted as a string if indicated by the options</td>
</tr>
<tr>
<td><strong>TraceDictionary(TKey, TValue)</strong></td>
<td>Traces the contents of a dictionary</td>
</tr>
<tr>
<td><strong>TraceInstance(StringBuilder, TrackingOptions, Guid, IDictionary(String, String), DateTime)</strong></td>
<td>Traces additional data about a tracking record</td>
</tr>
<tr>
<td><strong>TraceInstance(StringBuilder, TrackingOptions, Guid, IDictionary(String, String), IDictionary(String, Object), IDictionary(String, Object), IDictionary(String, Object), DateTime, Action)</strong></td>
<td>Traces additional data about a tracking record</td>
</tr>
<tr>
<td><strong>WriteTrace(StringBuilder, TraceSource)</strong></td>
<td>The write trace.</td>
</tr>
<tr>
<td><strong>WriteTrace(TrackingRecord, TrackingOptions, TraceSource)</strong></td>
<td>The write trace.</td>
</tr>
</tbody>
</table>
See Also

- TrackingHelper Class
- Microsoft.Activities.Extensions.Tracking Namespace
TrackingHelper.GetRecordNumber Method

Returns the record number formatted as a string if indicated by the options

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
**Syntax**

<table>
<thead>
<tr>
<th>C#</th>
</tr>
</thead>
<tbody>
<tr>
<td>```c#</td>
</tr>
<tr>
<td>public static string GetRecordNumber(</td>
</tr>
<tr>
<td>long recordNumber,</td>
</tr>
<tr>
<td>TrackingOptions options</td>
</tr>
<tr>
<td>)</td>
</tr>
<tr>
<td>```</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visual Basic</th>
</tr>
</thead>
<tbody>
<tr>
<td>```vb</td>
</tr>
<tr>
<td>Public Shared Function GetRecordNumber ( _</td>
</tr>
<tr>
<td>recordNumber As Long, _</td>
</tr>
<tr>
<td>options As TrackingOptions _</td>
</tr>
<tr>
<td>) As String</td>
</tr>
<tr>
<td>```</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td>```cpp</td>
</tr>
<tr>
<td>public:</td>
</tr>
<tr>
<td>static String^ GetRecordNumber(</td>
</tr>
<tr>
<td>long long recordNumber,</td>
</tr>
<tr>
<td>TrackingOptions options</td>
</tr>
<tr>
<td>)</td>
</tr>
<tr>
<td>```</td>
</tr>
</tbody>
</table>

**Parameters**

- **recordNumber**
  Type: System.Int64
  The record number

- **options**
  Type: Microsoft.Activities.Extensions.Tracking.TrackingOptions
  The options

**Return Value**
The record number string
See Also

TrackingHelper Class
TrackingHelper Members
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

TrackingHelper.TraceDictionary(TKey, TValue) Method

Traces the contents of a dictionary

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
**C#**

```csharp
public static void TraceDictionary<TKey, TValue>(
    StringBuilder stringBuilder,
    IDictionary<TKey, TValue> dictionary,
    string name,
    bool indent = true
)
```

**Visual Basic**

```vbnet
Public Shared Sub TraceDictionary(Of TKey, TValue) (
    stringBuilder As StringBuilder, _
    dictionary As IDictionary(Of TKey, TValue), _
    name As String, _
    Optional indent As Boolean = True _
)
```

**Visual C++**

```cpp
public:
    generic<typename TKey, typename TValue>
    static void TraceDictionary(
        StringBuilder^ stringBuilder,
        IDictionary<TKey, TValue>^ dictionary,
        String^ name, 
        bool indent = true
    )
```

**Parameters**

*stringBuilder*
Type: System.Text.StringBuilder
The string builder to write to.

*dictionary*
Type: `System.Collections.Generic.IDictionary<TKey, TValue>`
The dictionary.

*name*
Type: `System.String`
The name of the dictionary.

*indent* (Optional)
Type: `System.Boolean`
true to indent
## Type Parameters

* TKey *
The type of the key
* TValue *
The type of the value
See Also

TrackingHelper Class
TrackingHelper Members
Microsoft.Activities.Extensions.Tracking Namespace
## Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TraceInstance(StringBuilder, TrackingOptions, Guid, IDictionary(String, String), DateTime)</td>
<td>Traces additional data about a tracking record</td>
</tr>
<tr>
<td>TraceInstance(StringBuilder, TrackingOptions, Guid, IDictionary(String, String), IDictionary(String, Object), IDictionary(String, Object), IDictionary(String, Object), DateTime, Action)</td>
<td>Traces additional data about a tracking record</td>
</tr>
</tbody>
</table>
See Also

- TrackingHelper Class
- TrackingHelper Members
- Microsoft.Activities.Extensions.Tracking Namespace
Traces additional data about a tracking record

**Namespace:** Microsoft.Activities.Extensions.Tracking

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Parameters
**stringBuilder**
Type: `System.Text.StringBuilder`
The string builder.

**options**
Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
A TrackingOptions value which specifies data to include in the trace

**instanceId**
Type: `System.Guid`
The instance ID of the tracking record

**annotations**
Type: `System.Collections.Generic.IDictionary(String, String)`
The annotations dictionary

**eventTime**
Type: `System.DateTime`
The event time
See Also

TrackingHelper Class
TrackingHelper Members
TraceInstance Overload
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

TrackingHelper.TraceInstance Method (StringBuilder, TrackingOptions, Guid, IDictionary(String, String), IDictionary(String, Object), IDictionary(String, Object), IDictionary(String, Object), DateTime, Action)

TrackingHelper Class See Also Send Feedback

Traces additional data about a tracking record

**Namespace:** Microsoft.Activities.Extensions.Tracking  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static void TraceInstance(
    StringBuilder stringBuilder,
    TrackingOptions options,
    Guid instanceId,
    IDictionary<string, string> annotations,
    IDictionary<string, Object> arguments,
    IDictionary<string, Object> variables,
    IDictionary<string, Object> data,
    DateTime eventTime,
    Action traceCallback = null
)
```

#### Visual Basic

```vbnet
Public Shared Sub TraceInstance ( _
    stringBuilder As StringBuilder, _
    options As TrackingOptions, _
    instanceId As Guid, _
    annotations As IDictionary(Of String, String),
    arguments As IDictionary(Of String, Object),
    variables As IDictionary(Of String, Object),
    data As IDictionary(Of String, Object), _
    eventTime As DateTime, _
    Optional traceCallback As Action = Nothing _
)
```

#### Visual C++

```cpp
public:
    static void TraceInstance(
        StringBuilder^ stringBuilder,
        TrackingOptions options,
```
Guid instanceId,
IDictionary<String^, String^>^ annotations,
IDictionary<String^, Object^>^ arguments,
IDictionary<String^, Object^>^ variables,
DateTime^ eventTime,
Action^ traceCallback = nullptr

Parameters

stringBuilder
Type: System.Text.StringBuilder
The stringBuilder.

options
Type: Microsoft.Activities.Extensions.Tracking.TrackingOptions
A TrackingOptions value which specifies data to include in the trace

instanceId
Type: System.Guid
The instance ID of the tracking record

annotations
Type: System.Collections.Generic.IDictionary(String, String)
The annotations dictionary

arguments
Type: System.Collections.Generic.IDictionary(String, Object)
The arguments dictionary

variables
Type: System.Collections.Generic.IDictionary(String, Object)
The variables dictionary

data
Type: System.Collections.Generic.IDictionary(String, Object)
The data dictionary

eventTime
Type: System.DateTime
The event time

*traceCallback* (Optional)
Type: `System.Action`
Callback which allows records to add elements to the indented trace
See Also

TrackingHelper Class
TrackingHelper Members
TraceInstance Overload
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

TrackingHelper.WriteTrace Method

TrackingHelper Class See Also Send Feedback
### Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>WriteTrace(StringBuilder, TraceSource)</code></td>
<td>The write trace.</td>
</tr>
<tr>
<td><code>WriteTrace(TrackingRecord, TrackingOptions, TraceSource)</code></td>
<td>The write trace.</td>
</tr>
</tbody>
</table>
See Also

- TrackingHelper Class
- TrackingHelper Members
- Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

TrackingHelper.WriteTrace Method (StringBuilder, TraceSource)

TrackingHelper Class  See Also  Send Feedback

The write trace.

**Namespace:** Microsoft.Activities.Extensions.Tracking  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
</table>
| **C#** | ```
public static void WriteTrace(
    StringBuilder stringBuilder,
    TraceSource source
)
``` |  |
| **Visual Basic** | ```
Public Shared Sub WriteTrace ( _
    stringBuilder As StringBuilder, _
    source As TraceSource _
)
``` |  |
| **Visual C++** | ```
public:
    static void WriteTrace(
        StringBuilder^ stringBuilder,
        TraceSource^ source
    )
``` |  |

### Parameters

- **stringBuilder**
  Type: `System.Text.StringBuilder`  
The string builder.

- **source**
  Type: `System.Diagnostics.TraceSource`  
The source.
See Also

- TrackingHelper Class
- TrackingHelper Members
- WriteTrace Overload
- Microsoft.Activities.Extensions.Tracking Namespace
The write trace.

**Namespace:** Microsoft.Activities.Extensions.Tracking  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
public static void WriteTrace(
    TrackingRecord record,
    TrackingOptions options,
    TraceSource source
)
```

Visual Basic

```vbnet
Public Shared Sub WriteTrace (_
    record As TrackingRecord, _
    options As TrackingOptions, _
    source As TraceSource _
)
```

Visual C++

```cpp
public:
    static void WriteTrace(
        TrackingRecord^ record,
        TrackingOptions options,
        TraceSource^ source
    )
```

Parameters

*record*
Type: `System.Activities.Tracking.TrackingRecord`
The record.

*options*
Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
The options.
source
Type: System.Diagnostics.TraceSource
The source.
See Also

TrackingHelper Class
TrackingHelper Members
WriteTrace Overload
Microsoft.Activities.Extensions.Tracking Namespace
Determines which elements of the tracking record will be included in the trace

**Namespace:** [Microsoft.Activities.Extensions.Tracking](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>[FlagsAttribute]</code></td>
<td><code>&lt;FlagsAttribute&gt; _</code></td>
<td><code>[FlagsAttribute]</code></td>
</tr>
<tr>
<td>public enum TrackingOptions</td>
<td>Public Enumeration TrackingOptions</td>
<td>public enum class TrackingOptions</td>
</tr>
</tbody>
</table>
### Members

<table>
<thead>
<tr>
<th>Member name</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InstanceId</td>
<td>1</td>
<td>Traces the instance ID</td>
</tr>
<tr>
<td>Variables</td>
<td>2</td>
<td>Traces the variables</td>
</tr>
<tr>
<td>Arguments</td>
<td>4</td>
<td>Traces the arguments</td>
</tr>
<tr>
<td>Annotations</td>
<td>8</td>
<td>Traces the annotations</td>
</tr>
<tr>
<td>Default</td>
<td>143</td>
<td>The default tracing options</td>
</tr>
<tr>
<td>Data</td>
<td>32</td>
<td>Traces the data of custom tracking records</td>
</tr>
<tr>
<td>Time</td>
<td>64</td>
<td>Traces the time</td>
</tr>
<tr>
<td>RecordNumber</td>
<td>128</td>
<td>Traces Record Number</td>
</tr>
<tr>
<td>All</td>
<td>111</td>
<td>Combines all tracking options</td>
</tr>
</tbody>
</table>
Remarks

The Default value will apply the TrackingOptions.Default value. To set the option for all traces set this value.
See Also

Microsoft.Activities.Extensions.Tracking Namespace
The tracking record extensions.


**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>C#</td>
<td><code>public static class TrackingRecordExtensions</code></td>
</tr>
<tr>
<td>Visual Basic</td>
<td><code>&lt;ExtensionAttribute&gt; _ Public NotInheritable Class TrackingRecordExtensions</code></td>
</tr>
<tr>
<td>Visual C++</td>
<td><code>[ExtensionAttribute] public ref class TrackingRecordExtensions abstract sealed</code></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.Tracking.TrackingRecordExtensions
See Also

TrackingRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The `TrackingRecordExtensions` type exposes the following members.
Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ToFormattedString</td>
<td>Traces a tracking record</td>
</tr>
<tr>
<td>Trace</td>
<td>Traces a tracking record</td>
</tr>
<tr>
<td>Name</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>------------------------</td>
</tr>
<tr>
<td>Options</td>
<td>Gets or sets Options.</td>
</tr>
</tbody>
</table>
See Also

TrackingRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
The **TrackingRecordExtensions** type exposes the following members.
# Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>ToFormattedString</td>
<td>Traces a tracking record</td>
</tr>
<tr>
<td>Trace</td>
<td>Traces a tracking record</td>
</tr>
</tbody>
</table>
See Also

TrackingRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
Traces a tracking record

**Namespace:** Microsoft.Activities.Extensions.Tracking  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static string ToFormattedString(
    this TrackingRecord record,
    TrackingOptions options = TrackingOptions.Default
)
```

#### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function ToFormattedString ( _
    record As TrackingRecord, _
    Optional options As TrackingOptions = TrackingOptions.Default
) As String
```

#### Visual C++

```cpp
public:
[ExtensionAttribute]
static String^ ToFormattedString(
    TrackingRecord^ record,
    TrackingOptions options = TrackingOptions::Default
)
```

### Parameters

- **record**
  - Type: `System.Activities.Tracking.TrackingRecord`
  - The record to trace

- **options** (Optional)
  - Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
  - The tracking options to use, if not provided will use the TrackingOptions.Default value
**Return Value**
The formatted string.

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `TrackingRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
Remarks

The default ToString() method of tracking records produces difficult to read text. The extensions provide formatted indented text designed to make it more readable.
See Also

TrackingRecordExtensions Class
TrackingRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Traces a tracking record

**Namespace**: Microsoft.Activities.Extensions.Tracking  
**Assembly**: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version**: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public static void Trace(
    this TrackingRecord record,
    TrackingOptions options = TrackingOptions.Default,
    TraceSource source = null
)
```

### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Sub Trace (_
    record As TrackingRecord, _
    Optional options As TrackingOptions = TrackingOptions.Optional,
    Optional source As TraceSource = Nothing _
)
```

### Visual C++

```cpp
public:
    [ExtensionAttribute]
    static void Trace(
        TrackingRecord^ record,
        TrackingOptions options = TrackingOptions::Default,
        TraceSource^ source = nullptr
    )
```

## Parameters

- **record**
  - Type: System.Activities.Tracking.TrackingRecord
  - The record to trace

- **options** (Optional)
Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
The tracking options to use, if not provided will use the TrackingOptions.Default value

`soure` (Optional)
Type: `System.Diagnostics.TraceSource`
The source.

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any object of type `TrackingRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/en-us/dotnet/visual-basic/extension-methods) or [Extension Methods (C# Programming Guide)](https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide).
Remarks

The default ToString() method of tracking records produces difficult to read text. The extensions provide formatted indented text designed to make it more readable.
See Also

TrackingRecordExtensions Class
TrackingRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The `TrackingRecordExtensions` type exposes the following members.
### Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Options</td>
<td>Gets or sets Options.</td>
</tr>
</tbody>
</table>
See Also

TrackingRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
Gets or sets Options.

**Namespace:** [Microsoft.Activities.Extensions.Tracking](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
</tr>
<tr>
<td><code>csharp</code></td>
<td><code>public static TrackingOptions Options { get; set; }</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td></td>
</tr>
<tr>
<td><code>vbnet</code></td>
<td><code>Public Shared Property Options As TrackingOptions Get Set</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td></td>
</tr>
<tr>
<td><code>cpp</code></td>
<td><code>public: static property TrackingOptions Options { TrackingOptions get (); void set (TrackingOptions value);</code></td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
</tbody>
</table>
See Also

TrackingRecordExtensions Class
TrackingRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
A tracking participant that includes typed overloads of the Track method

**Namespace:** Microsoft.Activities.Extensions.Tracking  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
</tr>
<tr>
<td><code>public class</code></td>
<td><code>TypedTrackingParticipant : TrackingParticipant</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td></td>
</tr>
<tr>
<td><code>Public Class</code></td>
<td><code>TypedTrackingParticipant _</code></td>
</tr>
<tr>
<td></td>
<td><code>Inherits TrackingParticipant</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td></td>
</tr>
<tr>
<td><code>public ref class</code></td>
<td><code>TypedTrackingParticipant : public TrackingParti</code></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

- `System.Object`
- `System.Activities.Tracking.TrackingParticipant`
- `Microsoft.Activities.Extensions.Tracking.TypedTrackingParticipant`
See Also

TypedTrackingParticipant Members
Microsoft.Activities.Extensions.Tracking Namespace
The `TypedTrackingParticipant` type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>TypedTrackingParticipant</code></td>
<td>Initializes a new instance of the <code>TypedTrackingParticipant</code> class</td>
</tr>
<tr>
<td>Name</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>BeginTrack</strong></td>
<td>When implemented in a derived class, begins asynchronous processing of the tracking record.</td>
</tr>
<tr>
<td><strong>EndTrack</strong></td>
<td>When implemented in a derived class, represents the end of an asynchronous tracking operation.</td>
</tr>
<tr>
<td><strong>Equals</strong></td>
<td>Determines whether the specified object is equal to the current object.</td>
</tr>
<tr>
<td><strong>Finalize</strong></td>
<td>Allows an Object to attempt to free resources and perform other cleanup operations before the object is garbage collected.</td>
</tr>
<tr>
<td><strong>GetHashCode</strong></td>
<td>Serves as a hash function for a particular type.</td>
</tr>
<tr>
<td><strong>GetType</strong></td>
<td>Gets the Type of the current instance.</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current Object.</td>
</tr>
<tr>
<td><strong>ToString</strong></td>
<td>Returns a String that represents the current Object.</td>
</tr>
<tr>
<td><strong>Track(ActivityScheduledRecord, TimeSpan)</strong></td>
<td>When implemented in a derived class, used to synchronously process the activity scheduled record.</td>
</tr>
<tr>
<td><strong>Track(ActivityStateRecord, TimeSpan)</strong></td>
<td>When implemented in a derived class, used to synchronously process the activity state record.</td>
</tr>
<tr>
<td>Track</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Track(BookmarkResumptionRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(CancelRequestedRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(CustomTrackingRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(FaultPropagationRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(TrackingRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(WorkflowInstanceAbortedRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(WorkflowInstanceRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(WorkflowInstanceSuspendedRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(WorkflowInstanceTerminatedRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(WorkflowInstanceUnhandledExceptionRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(ReceiveMessageRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(SendMessageRecord, TimeSpan)</td>
<td>When implemented to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Name</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>TrackingProfile</td>
<td>The tracking profile object used by the tracking participant. Before adding the tracking participant to the workflow extensions, the tracking profile is set on the participant. (Inherited from TrackingParticipant.)</td>
</tr>
</tbody>
</table>
See Also

TypedTrackingParticipant Class
Microsoft.Activities.Extensions.Tracking Namespace
Initializes a new instance of the **TypedTrackingParticipant** class

**Namespace:** [Microsoft.Activities.Extensions.Tracking](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>public TypedTrackingParticipant()</code></td>
<td><code>Public Sub New</code></td>
<td><code>public: TypedTrackingParticipant()</code></td>
</tr>
</tbody>
</table>


See Also

TypedTrackingParticipant Class
TypedTrackingParticipant Members
Microsoft.Activities.Extensions.Tracking Namespace
The `TypedTrackingParticipant` type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BeginTrack</strong></td>
<td>When implemented in a derived class, begins asynchronous processing of the tracking record. (Inherited from TrackingParticipant)</td>
</tr>
<tr>
<td><strong>EndTrack</strong></td>
<td>When implemented in a derived class, represents the end of an asynchronous tracking operation. (Inherited from TrackingParticipant)</td>
</tr>
<tr>
<td><strong>Equals</strong></td>
<td>Determines whether the specified object is equal to the current object. (Inherited from Object)</td>
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<td><strong>Finalize</strong></td>
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<td><strong>GetHashCode</strong></td>
<td>Serves as a hash function for a particular type. (Inherited from Object)</td>
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<td><strong>GetType</strong></td>
<td>Gets the Type of the current instance. (Inherited from Object)</td>
</tr>
<tr>
<td><strong>MemberwiseClone</strong></td>
<td>Creates a shallow copy of the current Object. (Inherited from Object)</td>
</tr>
<tr>
<td><strong>ToString</strong></td>
<td>Returns a String that represents the current Object. (Inherited from Object)</td>
</tr>
<tr>
<td><strong>Track(ActivityScheduledRecord, TimeSpan)</strong></td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td><strong>Track(ActivityStateRecord, TimeSpan)</strong></td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(BookmarkResumptionRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(CancelRequestedRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(CustomTrackingRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(FaultPropagationRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(TrackingRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record. (Overrides TrackingParticipant TimeSpan.)</td>
</tr>
<tr>
<td>Track(WorkflowInstanceAbortedRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(WorkflowInstanceRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
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<td>Track(WorkflowInstanceSuspendedRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(WorkflowInstanceTerminatedRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(WorkflowInstanceUnhandledExceptionRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(ReceiveMessageRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td><strong>Track(SendMessageRecord, TimeSpan)</strong></td>
<td>When implemented to synchronously process the tracking record.</td>
</tr>
</tbody>
</table>
See Also

TypedTrackingParticipant Class
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

TypedTrackingParticipant.Track Method

See Also Send Feedback
## Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Track(ActivityScheduledRecord, TimeSpan)</td>
<td>When implemented to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(ActivityStateRecord, TimeSpan)</td>
<td>When implemented to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(BookmarkResumptionRecord, TimeSpan)</td>
<td>When implemented to synchronously process the tracking record.</td>
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<tr>
<td>Track(CancelRequestedRecord, TimeSpan)</td>
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<tr>
<td>Track(CustomTrackingRecord, TimeSpan)</td>
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</tr>
<tr>
<td>Track(FaultPropagationRecord, TimeSpan)</td>
<td>When implemented to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(TrackingRecord, TimeSpan)</td>
<td>When implemented to synchronously process the tracking record. (Overrides TrackingParticipant.TimeSpan.)</td>
</tr>
<tr>
<td>Track(WorkflowInstanceAbortedRecord, TimeSpan)</td>
<td>When implemented to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(WorkflowInstanceRecord, TimeSpan)</td>
<td>When implemented to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(WorkflowInstanceSuspendedRecord, TimeSpan)</td>
<td>When implemented to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Event Type</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>Track(WorkflowInstanceTerminatedRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(WorkflowInstanceUnhandledExceptionRecord, TimeSpan)</td>
<td>When implemented in a derived class, used to synchronously process the tracking record.</td>
</tr>
<tr>
<td>Track(ReceiveMessageRecord, TimeSpan)</td>
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</tr>
<tr>
<td>Track(SendMessageRecord, TimeSpan)</td>
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</tr>
</tbody>
</table>
See Also

TypedTrackingParticipant Class
TypedTrackingParticipant Members
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

TypedTrackingParticipant.Track Method (ActivityScheduledRecord, TimeSpan)

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

When implemented in a derived class, used to synchronously process the tracking record.
## Syntax

### C#

```csharp
protected virtual void Track(
    ActivityScheduledRecord record,
    TimeSpan timeout
)
```

### Visual Basic

```vbnet
Protected Overridable Sub Track (_
    record As ActivityScheduledRecord, _
    timeout As TimeSpan _
)
```

### Visual C++

```cpp
protected:
virtual void Track(
    ActivityScheduledRecord^ record,
    TimeSpan timeout
)
```

## Parameters

**record**

Type: `System.Activities.Tracking.ActivityScheduledRecord`

The generated tracking record.

**timeout**

Type: `System.TimeSpan`

The time period after which the provider aborts the attempt.
See Also

TypedTrackingParticipant Class
TypedTrackingParticipant Members
Track Overload
Microsoft.Activities.Extensions.Tracking Namespace
When implemented in a derived class, used to synchronously process the tracking record.

**Namespace:** Microsoft.Activities.Extensions.Tracking  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
</tr>
</thead>
<tbody>
<tr>
<td>protected virtual void Track(</td>
</tr>
<tr>
<td>ActivityStateRecord record,</td>
</tr>
<tr>
<td>TimeSpan timeout</td>
</tr>
<tr>
<td>)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visual Basic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protected Overridable Sub Track ( _</td>
</tr>
<tr>
<td>record As ActivityStateRecord, _</td>
</tr>
<tr>
<td>timeout As TimeSpan _</td>
</tr>
<tr>
<td>)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td>protected:</td>
</tr>
<tr>
<td>virtual void Track(</td>
</tr>
<tr>
<td>ActivityStateRecord^ record,</td>
</tr>
<tr>
<td>TimeSpan timeout</td>
</tr>
<tr>
<td>)</td>
</tr>
</tbody>
</table>

### Parameters

- **record**
  Type: System.Activities.Tracking.ActivityStateRecord
  The generated tracking record.

- **timeout**
  Type: System.TimeSpan
  The time period after which the provider aborts the attempt.
See Also

TypedTrackingParticipant Class
TypedTrackingParticipant Members
Track Overload
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

TypedTrackingParticipant.Track Method (BookmarkResumptionRecord, TimeSpan)

TypedTrackingParticipant Class  See Also  Send Feedback

When implemented in a derived class, used to synchronously process the tracking record.

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
protected virtual void Track(
    BookmarkResumptionRecord record,
    TimeSpan timeout
)
```

Visual Basic

```vbnet
Protected Overridable Sub Track ( _
    record As BookmarkResumptionRecord, _
    timeout As TimeSpan _
)
```

Visual C++

```cpp
protected:
virtual void Track(
    BookmarkResumptionRecord^ record,
    TimeSpan timeout
)
```

Parameters

*record*

Type: `System.Activities.Tracking.BookmarkResumptionRecord`

The generated tracking record.

*timeout*

Type: `System.TimeSpan`

The time period after which the provider aborts the attempt.
See Also

TypedTrackingParticipant Class
TypedTrackingParticipant Members
Track Overload
Microsoft.Activities.Extensions.Tracking Namespace
When implemented in a derived class, used to synchronously process the tracking record.

**Namespace:** Microsoft.Activities.Extensions.Tracking  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

### C#

```csharp
protected virtual void Track(
    CancelRequestedRecord record,
    TimeSpan timeout
)
```

### Visual Basic

```vbnet
Protected Overridable Sub Track ( _
    record As CancelRequestedRecord, _
    timeout As TimeSpan _
)
```

### Visual C++

```cpp
protected:
    virtual void Track(
        CancelRequestedRecord^ record,
        TimeSpan timeout
    )
```

**Parameters**

**record**
Type: `System.Activities.Tracking.CancelRequestedRecord`
The generated tracking record.

**timeout**
Type: `System.TimeSpan`
The time period after which the provider aborts the attempt.
See Also

TypedTrackingParticipant Class
TypedTrackingParticipant Members
Track Overload
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

TypedTrackingParticipant.Track Method (CustomTrackingRecord, TimeSpan)

TypedTrackingParticipant Class  See Also  Send Feedback

When implemented in a derived class, used to synchronously process the tracking record.

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
protected virtual void Track(
    CustomTrackingRecord record,
    TimeSpan timeout
)
```

### Visual Basic

```vbnet
Protected Overridable Sub Track ( _
    record As CustomTrackingRecord, _
    timeout As TimeSpan _
)
```

### Visual C++

```cpp
protected:
    virtual void Track(
        CustomTrackingRecord^ record,
        TimeSpan timeout
    )
```

## Parameters

**record**

Type: [System.Activities.Tracking.CustomTrackingRecord](#)

The generated tracking record.

**timeout**

Type: [System.TimeSpan](#)

The time period after which the provider aborts the attempt.
See Also

TypedTrackingParticipant Class
TypedTrackingParticipant Members
Track Overload
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

TypedTrackingParticipant.Track Method (FaultPropagationRecord, TimeSpan)

See Also Send Feedback

When implemented in a derived class, used to synchronously process the tracking record.

Namespace: Microsoft.Activities.Extensions.Tracking

Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
protected virtual void Track(
    FaultPropagationRecord record,
    TimeSpan timeout
)
```

Visual Basic

```vbnet
Protected Overridable Sub Track ( _
    record As FaultPropagationRecord, _
    timeout As TimeSpan _
)
```

Visual C++

```cpp
protected:
    virtual void Track(
        FaultPropagationRecord^ record,
        TimeSpan timeout
    )
```

Parameters

*record*
Type: `System.Activities.Tracking.FaultPropagationRecord`
The generated tracking record.

*timeout*
Type: `System.TimeSpan`
The time period after which the provider aborts the attempt.
See Also

TypedTrackingParticipant Class
TypedTrackingParticipant Members
Track Overload
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

TypedTrackingParticipant.Track Method (TrackingRecord, TimeSpan)
TypedTrackingParticipant Class  See Also  Send Feedback

When implemented in a derived class, used to synchronously process the tracking record.

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th></th>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
</table>
| **C#**     | **protected override void** `Track(TrackingRecord record, TimeSpan timeout)` | **Protected Overrides Sub** `Track ( _ record As TrackingRecord, _ timeout As TimeSpan _ )` | **protected:**  
**virtual void** `Track(TrackingRecord^ record,  
**TimeSpan timeout)`  
) **override** |

### Parameters

- **record**
  - Type: `System.Activities.Tracking.TrackingRecord`
  - The generated tracking record.

- **timeout**
  - Type: `System.TimeSpan`
  - The time period after which the provider aborts the attempt.
See Also

TypedTrackingParticipant Class
TypedTrackingParticipant Members
Track Overload
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

TypedTrackingParticipant.Track Method
(WorkflowInstanceAbortedRecord, TimeSpan)

TypedTrackingParticipant Class  See Also  Send Feedback

When implemented in a derived class, used to synchronously process the tracking record.

**Namespace:**  Microsoft.Activities.Extensions.Tracking  
**Assembly:**  Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:**  2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
protected virtual void Track(
    WorkflowInstanceAbortedRecord record,
    TimeSpan timeout
)
```

**Visual Basic**

```vbnet
Protected Overridable Sub Track ( _
    record As WorkflowInstanceAbortedRecord, _
    timeout As TimeSpan _
)
```

**Visual C++**

```cpp
protected:
virtual void Track(
    WorkflowInstanceAbortedRecord^ record,
    TimeSpan timeout
)
```

### Parameters

**record**
Type: `System.Activities.Tracking.WorkflowInstanceAbortedRecord`
The generated tracking record.

**timeout**
Type: `System.TimeSpan`
The time period after which the provider aborts the attempt.
See Also

TypedTrackingParticipant Class
TypedTrackingParticipant Members
Track Overload
Microsoft.Activities.Extensions.Tracking Namespace
When implemented in a derived class, used to synchronously process the tracking record.

**Namespace:** Microsoft.Activities.Extensions.Tracking  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
protected virtual void Track(
    WorkflowInstanceRecord record,
    TimeSpan timeout)
```

### Visual Basic

```vbnet
Protected Overridable Sub Track ( _
    record As WorkflowInstanceRecord, _
    timeout As TimeSpan _
)
```

### Visual C++

```cpp
protected:
virtual void Track(
    WorkflowInstanceRecord^ record,
    TimeSpan timeout)
```

## Parameters

- **record**
  Type: `System.Activities.Tracking.WorkflowInstanceRecord`
  The generated tracking record.

- **timeout**
  Type: `System.TimeSpan`
  The time period after which the provider aborts the attempt.
See Also

TypedTrackingParticipant Class
TypedTrackingParticipant Members
Track Overload
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

TypedTrackingParticipant.Track Method
(WorkflowInstanceSuspendedRecord, TimeSpan)

When implemented in a derived class, used to synchronously process the tracking record.

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
</table>
| C#           | ```csharp
protected virtual void Track(
    WorkflowInstanceSuspendedRecord record,
    TimeSpan timeout
)
``` |
| Visual Basic | ```vbs
Protected Overridable Sub Track ( _
    record As WorkflowInstanceSuspendedRecord, _
    timeout As TimeSpan _
)
``` |
| Visual C++   | ```cpp
protected:
    virtual void Track(
        WorkflowInstanceSuspendedRecord^ record,
        TimeSpan timeout
)
``` |

### Parameters

- **record**
  - Type: `System.Activities.Tracking.WorkflowInstanceSuspendedRecord`
  - The generated tracking record.

- **timeout**
  - Type: `System.TimeSpan`
  - The time period after which the provider aborts the attempt.
See Also

TypedTrackingParticipant Class
TypedTrackingParticipant Members
Track Overload
Microsoft.Activities.Extensions.Tracking Namespace
TypedTrackingParticipant.Track Method
(WorkflowInstanceTerminatedRecord, TimeSpan)

When implemented in a derived class, used to synchronously process the tracking record.

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

C#

```csharp
protected virtual void Track(
    WorkflowInstanceTerminatedRecord record,
    TimeSpan timeout
)
```

Visual Basic

```vbasic
Protected Overridable Sub Track (
    record As WorkflowInstanceTerminatedRecord,
    timeout As TimeSpan
)
```

Visual C++

```cpp
protected:
virtual void Track(
    WorkflowInstanceTerminatedRecord^ record,
    TimeSpan timeout
)
```

Parameters

record
Type: `System.Activities.Tracking.WorkflowInstanceTerminatedRecord`
The generated tracking record.

timeout
Type: `System.TimeSpan`
The time period after which the provider aborts the attempt.
See Also

- TypedTrackingParticipant Class
- TypedTrackingParticipant Members
- Track Overload
- Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

TypedTrackingParticipant.Track Method
(WorkflowInstanceUnhandledExceptionRecord, TimeSpan)

TypedTrackingParticipant Class See Also Send Feedback

When implemented in a derived class, used to synchronously process the tracking record.

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>protected virtual void Track(&lt;br&gt;    WorkflowInstanceUnhandledExceptionRecord record&lt;br&gt;    TimeSpan timeout&lt;br&gt;  )</code></td>
<td><code>Protected Overridable Sub Track ( _&lt;br&gt;    record As WorkflowInstanceUnhandledExceptionRecord&lt;br&gt;    timeout As TimeSpan _&lt;br&gt;  )</code></td>
<td><code>protected:&lt;br&gt;    virtual void Track(&lt;br&gt;    WorkflowInstanceUnhandledExceptionRecord^ record&lt;br&gt;    TimeSpan timeout&lt;br&gt;  )</code></td>
</tr>
</tbody>
</table>

### Parameters

- **record**<br>  Type: `System.Activities.Tracking.WorkflowInstanceUnhandledExceptionRecord`<br>  The generated tracking record.

- **timeout**<br>  Type: `System.TimeSpan`<br>  The time period after which the provider aborts the attempt.
See Also

TypedTrackingParticipant Class
TypedTrackingParticipant Members
Track Overload
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

TypedTrackingParticipant.Track Method (ReceiveMessageRecord, TimeSpan)

TypedTrackingParticipant Class See Also Send Feedback

When implemented in a derived class, used to synchronously process the tracking record.

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>C#</th>
<th>Visual Basic</th>
<th>Visual C++</th>
</tr>
</thead>
</table>
| protected virtual void Track(  
  ReceiveMessageRecord record,  
  TimeSpan timeout  
) | Protected Overridable Sub Track ( _  
  record As ReceiveMessageRecord, _  
  timeout As TimeSpan _  
) | protected:  
virtual void Track(  
  ReceiveMessageRecord^ record,  
  TimeSpan timeout  
) |
|                           |                               |                             |

### Parameters

- **record**
  The generated tracking record.

- **timeout**
  Type: [System.TimeSpan](https://docs.microsoft.com/en-us/dotnet/api/system.timespan)
  The time period after which the provider aborts the attempt.
See Also

TypedTrackingParticipant Class
TypedTrackingParticipant Members
Track Overload
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

TypedTrackingParticipant Track Method (SendMessageRecord, TimeSpan)

TypedTrackingParticipant Class See Also Send Feedback

When implemented in a derived class, used to synchronously process the tracking record.

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
Syntax

**C#**

```csharp
protected virtual void Track(
    SendMessageRecord record,
    TimeSpan timeout
)
```

**Visual Basic**

```vbscript
Protected Overridable Sub Track ( _
    record As SendMessageRecord, _
    timeout As TimeSpan _
)
```

**Visual C++**

```cpp
protected:
virtual void Track(
    SendMessageRecord^ record,
    TimeSpan timeout
)
```

**Parameters**

*record*

Type: [System.ServiceModel.Activities.Tracking.SendMessageRecord](https://docs.microsoft.com/en-us/dotnet/api/system.servicemodel.activities.tracking.sendmessagerecord)
The generated tracking record.

*timeout*

Type: [System.TimeSpan](https://docs.microsoft.com/en-us/dotnet/api/system.timespan)
The time period after which the provider aborts the attempt.
See Also

TypedTrackingParticipant Class
TypedTrackingParticipant Members
Track Overload
Microsoft.Activities.Extensions.Tracking Namespace
The **TypedTrackingParticipant** type exposes the following members.
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TrackingProfile</td>
<td>The tracking profile object used by the tracking participant. Before adding the tracking participant to the workflow extensions, the tracking profile is set on the participant. (Inherited from TrackingParticipant.)</td>
</tr>
</tbody>
</table>
See Also

TypedTrackingParticipant Class
Microsoft.Activities.Extensions.Tracking Namespace
WorkflowInstanceAbortedRecordExtensions Class

The workflow instance aborted record extensions.

**Namespace:** Microsoft.Activities.Extensions.Tracking  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>C#</td>
<td>public static class WorkflowInstanceAbortedRecordExtensions</td>
</tr>
<tr>
<td>Visual Basic</td>
<td>&lt;ExtensionAttribute&gt; _ Public NotInheritable Class WorkflowInstanceAbortedRecordExtensions</td>
</tr>
<tr>
<td>Visual C++</td>
<td>[ExtensionAttribute] public ref class WorkflowInstanceAbortedRecordExtensions</td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

- `System.Object`
- `Microsoft.Activities.Extensions.Tracking.WorkflowInstanceAbortedRecordExtensions`
See Also

WorkflowInstanceAbortedRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The `WorkflowInstanceAbortedRecordExtensions` type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ToFormattedString</td>
<td>Returns the record as a formatted string</td>
</tr>
<tr>
<td>Trace</td>
<td>The trace method.</td>
</tr>
</tbody>
</table>
See Also

WorkflowInstanceAbortedRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
The **WorkflowInstanceAbortedRecordExtensions** type exposes the following members.
### Methods

<table>
<thead>
<tr>
<th>Name</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ToFormattedString</td>
<td>Returns the record as a formatted string</td>
</tr>
<tr>
<td>Trace</td>
<td>The trace method.</td>
</tr>
</tbody>
</table>
See Also

WorkflowInstanceAbortedRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
Returns the record as a formatted string

**Namespace:** Microsoft.Activities.Extensions.Tracking  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public static string ToFormattedString(
    this WorkflowInstanceAbortedRecord record,
    TrackingOptions options = TrackingOptions.Default
)
```

### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function ToFormattedString (_
    record As WorkflowInstanceAbortedRecord, _
    Optional options As TrackingOptions = TrackingOptions.Default
) As String
```

### Visual C++

```cpp
public:
[ExtensionAttribute]
static String^ ToFormattedString(
    WorkflowInstanceAbortedRecord^ record,
    TrackingOptions options = TrackingOptions::Default
)
```

## Parameters

### record
Type: `System.Activities.Tracking.WorkflowInstanceAbortedRecord`
The record to trace.

### options (Optional)
Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
The tracking options to use, if not provided will use the TrackingOptions.Default value
**Return Value**

The formatted tracking record

**Usage Note**

In Visual Basic and C#, you can call this method as an instance method on any object of type [WorkflowInstanceAbortedRecord](#). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](#) or [Extension Methods (C# Programming Guide)](#).
See Also

WorkflowInstanceAbortedRecordExtensions Class
WorkflowInstanceAbortedRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The trace method.

**Namespace:** [Microsoft.Activities.Extensions.Tracking](#)  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
**Version:** 2.0.6.9 (2.0.6.9)
public static void Trace(
    this WorkflowInstanceAbortedRecord record,
    TrackingOptions options = TrackingOptions.Default,
    TraceSource source = null
)

Parameters

record
Type: System.Activities.Tracking.WorkflowInstanceAbortedRecord
The record to trace.

options (Optional)
Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
The tracking options to use, if not provided will use the TrackingOptions.Default value

`source` (Optional)
Type: `System.Diagnostics.TraceSource`
The source.

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowInstanceAbortedRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](Extension%20Methods%20(Visual%20Basic)) or [Extension Methods (C# Programming Guide)](Extension%20Methods%20(C%23%20Programming%20Guide)).
See Also

WorkflowInstanceAbortedRecordExtensions Class
WorkflowInstanceAbortedRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
WorkflowInstanceRecordExtensions Class

Extension methods for WorkflowInstanceRecord

**Namespace:** Microsoft.Activities.Extensions.Tracking

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
<thead>
<tr>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
</tr>
<tr>
<td><code>public static class WorkflowInstanceRecordExtensions</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
</tr>
<tr>
<td><code>&lt;ExtensionAttribute&gt; _</code></td>
</tr>
<tr>
<td>Public NotInheritable Class WorkflowInstanceRecordExtensions</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
</tr>
<tr>
<td><code>[ExtensionAttribute]</code></td>
</tr>
<tr>
<td>public ref class WorkflowInstanceRecordExtensions abs</td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.Tracking.WorkflowInstanceRecordExtensions
See Also

WorkflowInstanceRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The `WorkflowInstanceRecordExtensions` type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GetState</td>
<td>Converts the string Record state into a WorkflowInstanceRecordState</td>
</tr>
<tr>
<td>ToFormattedString</td>
<td>Returns the record as a formatted string</td>
</tr>
<tr>
<td>Trace</td>
<td>Provides a human readable trace</td>
</tr>
</tbody>
</table>
See Also

WorkflowInstanceRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
The **WorkflowInstanceRecordExtensions** type exposes the following members.
### Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>/state</strong></td>
<td>Converts the string Record state into a WorkflowInstanceRecordState</td>
</tr>
<tr>
<td><strong>toString</strong></td>
<td>Returns the record as a formatted string</td>
</tr>
<tr>
<td><strong>trace</strong></td>
<td>Provides a human readable trace</td>
</tr>
</tbody>
</table>
See Also

WorkflowInstanceRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

WorkflowInstanceRecordExtensions.GetState Method
WorkflowInstanceRecordExtensions Class  See Also  Send Feedback

Converts the string Record state into a WorkflowInstanceRecordState

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
**Syntax**

**C#**

```csharp
public static WorkflowInstanceRecordState GetState(
    this WorkflowInstanceRecord record
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Function GetState ( _
    record As WorkflowInstanceRecord _
) As WorkflowInstanceRecordState
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
static WorkflowInstanceRecordState GetState(
    WorkflowInstanceRecord^ record
)
```

**Parameters**

- `record`
  Type: `System.Activities.Tracking.WorkflowInstanceRecord`
  The WorkflowInstanceRecord

**Return Value**

- a WorkflowInstanceRecordState

**Usage Note**

In Visual Basic and C#, you can call this method as an instance method on any
object of type *WorkflowInstanceRecord*. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://example.com) or [Extension Methods (C# Programming Guide)](http://example.com).
See Also

WorkflowInstanceRecordExtensions Class
WorkflowInstanceRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

WorkflowInstanceRecordExtensions.ToFormattedString Method

WorkflowInstanceRecordExtensions Class  See Also  Send Feedback

Returns the record as a formatted string

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

**C#**

```csharp
public static string ToFormattedString(
    this WorkflowInstanceRecord record,
    TrackingOptions options = TrackingOptions.Default
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Function ToFormattedString ( _
    record As WorkflowInstanceRecord, _
    Optional options As TrackingOptions = TrackingOptions.Default
) As String
```

**Visual C++**

```cpp
public:
[ExtensionAttribute]
static String^ ToFormattedString(
    WorkflowInstanceRecord^ record,
    TrackingOptions options = TrackingOptions::Default
)
```

### Parameters

- **record**
  - Type: `System.Activities.Tracking.WorkflowInstanceRecord`
  - The record to trace.

- **options** (Optional)
  - Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
  - The tracking options to use, if not provided will use the TrackingOptions.Default value
**Return Value**
The formatted tracking record

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowInstanceRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/en-us/dotnet/visual-basic/extension-methods) or [Extension Methods (C# Programming Guide)](https://docs.microsoft.com/en-us/dotnet/csharp/extension-methods).
See Also

WorkflowInstanceRecordExtensions Class
WorkflowInstanceRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

WorkflowInstanceRecordExtensions.Trace Method

WorkflowInstanceRecordExtensions Class  See Also  Send Feedback

Provides a human readable trace

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static void Trace(
    this WorkflowInstanceRecord record,
    TrackingOptions options = TrackingOptions.Default,
    TraceSource source = null)
)
```

#### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Sub Trace ( _
    record As WorkflowInstanceRecord, _
    Optional options As TrackingOptions = TrackingOptions.Optional,
    Optional source As TraceSource = Nothing _
)
```

#### Visual C++

```cpp
public:
    [ExtensionAttribute]
    static void Trace(
        WorkflowInstanceRecord^ record,
        TrackingOptions options = TrackingOptions::Default,
        TraceSource^ source = nullptr
    )
```

### Parameters

- **record**
  - Type: `System.Activities.Tracking.WorkflowInstanceRecord`
  - The record.

- **options** (Optional)
Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
The tracking options to use, if not provided will use the TrackingOptions.Default value

`sourc`e (Optional)
Type: `System.Diagnostics.TraceSource`
The source.

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowInstanceRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://www.example.com) or [Extension Methods (C# Programming Guide)](http://www.example.com).
See Also

WorkflowInstanceRecordExtensions Class
WorkflowInstanceRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

WorkflowInstanceRecordState Enumeration

See Also Send Feedback

The workflow instance states.

**Namespace:** Microsoft.Activities.Extensions.Tracking

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public enum WorkflowInstanceRecordState</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Enumeration WorkflowInstanceRecordState</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public enum class WorkflowInstanceRecordState</code></td>
</tr>
</tbody>
</table>
### Members

<table>
<thead>
<tr>
<th>Member name</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aborted</td>
<td>0</td>
<td>The aborted.</td>
</tr>
<tr>
<td>Canceled</td>
<td>1</td>
<td>The canceled.</td>
</tr>
<tr>
<td>Completed</td>
<td>2</td>
<td>The completed.</td>
</tr>
<tr>
<td>Deleted</td>
<td>3</td>
<td>The deleted.</td>
</tr>
<tr>
<td>Idle</td>
<td>4</td>
<td>The idle.</td>
</tr>
<tr>
<td>Persisted</td>
<td>5</td>
<td>The persisted.</td>
</tr>
<tr>
<td>Resumed</td>
<td>6</td>
<td>The resumed.</td>
</tr>
<tr>
<td>Started</td>
<td>7</td>
<td>The started.</td>
</tr>
<tr>
<td>Suspended</td>
<td>8</td>
<td>The suspended.</td>
</tr>
<tr>
<td>Terminated</td>
<td>9</td>
<td>The terminated.</td>
</tr>
<tr>
<td>UnhandledException</td>
<td>10</td>
<td>The unhandled exception.</td>
</tr>
<tr>
<td>Unloaded</td>
<td>11</td>
<td>The unloaded.</td>
</tr>
<tr>
<td>Unsuspended</td>
<td>12</td>
<td>The unsuspended.</td>
</tr>
</tbody>
</table>
See Also

Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

WorkflowInstanceSuspendedRecordExtensions Class

The workflow instance suspended record extensions.

**Namespace:** Microsoft.Activities.Extensions.Tracking

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public static class WorkflowInstanceSuspendedRecordExtensions</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>&lt;ExtensionAttribute&gt; _ Public NotInheritable Class WorkflowInstanceSuspendedRecordExtensions</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>[ExtensionAttribute] public ref class WorkflowInstanceSuspendedRecordExtensions</code></td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

- System.Object
See Also

WorkflowInstanceSuspendedRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The `WorkflowInstanceSuspendedRecordExtensions` type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ToFormattedString</td>
<td>Returns the record as a formatted string</td>
</tr>
<tr>
<td>Trace</td>
<td>The trace method.</td>
</tr>
</tbody>
</table>
See Also

WorkflowInstanceSuspendedRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
The `WorkflowInstanceSuspendedRecordExtensions` type exposes the following members.
## Methods

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ToFormattedString</td>
<td>Returns the record as a formatted string</td>
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<tr>
<td>Trace</td>
<td>The trace method.</td>
</tr>
</tbody>
</table>
See Also

WorkflowInstanceSuspendedRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
Returns the record as a formatted string

**Namespace:** [Microsoft.Activities.Extensions.Tracking](https://docs.microsoft.com/en-us/dotnet/framework/fundamentals/microsoft-activities-extensions-tracking)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
</table>
| **C#**   | ```
    public static string ToFormattedString(
            this WorkflowInstanceSuspendedRecord record,
            TrackingOptions options = TrackingOptions.Default)
``` |  |
| **Visual Basic** | ```
    <ExtensionAttribute> _
    Public Shared Function ToFormattedString (_
            record As WorkflowInstanceSuspendedRecord, _
            Optional options As TrackingOptions = TrackingOptions.Default)
    As String
``` |  |
| **Visual C++** | ```
    public:
    [ExtensionAttribute]
    static String^ ToFormattedString(  
            WorkflowInstanceSuspendedRecord^ record,
            TrackingOptions options = TrackingOptions::Default)
``` |  |

### Parameters

- **record**
  - Type: `System.Activities.Tracking.WorkflowInstanceSuspendedRecord`
  - The record to trace.

- **options** (Optional)
  - Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
  - The tracking options to use, if not provided will use the TrackingOptions.Default value
**Return Value**

The formatted tracking record

**Usage Note**

In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowInstanceSuspendedRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/en-us/dotnet/visual-basic/extension-methods) or [Extension Methods (C# Programming Guide)](https://docs.microsoft.com/en-us/dotnet/csharp/extension-methods).
See Also

WorkflowInstanceSuspendedRecordExtensions Class
WorkflowInstanceSuspendedRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The trace method.

**Namespace:** [Microsoft.Activities.Extensions.Tracking](#)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public static void Trace(
    this WorkflowInstanceSuspendedRecord record,
    TrackingOptions options = TrackingOptions.Default,
    TraceSource source = null
)
```

**Visual Basic**

```vbnet
<ExtensionAttribute> _
Public Shared Sub Trace ( _
    record As WorkflowInstanceSuspendedRecord, _
    Optional options As TrackingOptions = TrackingOptions::Default, _
    Optional source As TraceSource = Nothing _
)
```

**Visual C++**

```cpp
public:
    [ExtensionAttribute]
public static void Trace(  
    WorkflowInstanceSuspendedRecord^ record,  
    TrackingOptions options = TrackingOptions::Default,  
    TraceSource^ source = nullptr
)
```

### Parameters

- **record**
  Type: `System.Activities.Tracking.WorkflowInstanceSuspendedRecord`
  The record to trace.

- **options** (Optional)
Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
The tracking options to use, if not provided will use the
`TrackingOptions.Default` value

`source` (Optional)
Type: `System.Diagnostics.TraceSource`
The source.

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any
object of type `WorkflowInstanceSuspendedRecord`. When you use instance
method syntax to call this method, omit the first parameter. For more
See Also

WorkflowInstanceSuspendedRecordExtensions Class
WorkflowInstanceSuspendedRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The workflow instance terminated record extensions.

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
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<tbody>
<tr>
<td></td>
<td><code>public static class WorkflowInstanceTerminatedRecordExtensions</code></td>
<td><code>&lt;ExtensionAttribute&gt; _ Public NotInheritable Class WorkflowInstanceTerminatedRecordExtensions</code></td>
<td><code>[ExtensionAttribute] public ref class WorkflowInstanceTerminatedRecordExtensions</code></td>
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</table>
Inheritance Hierarchy

System.Object
See Also

WorkflowInstanceTerminatedRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The `WorkflowInstanceTerminatedRecordExtensions` type exposes the following members.
## Methods

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See Also

WorkflowInstanceTerminatedRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
WorkflowInstanceTerminatedRecordExtensions Methods

The `WorkflowInstanceTerminatedRecordExtensions` type exposes the following members.
### Methods

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</table>
See Also

WorkflowInstanceTerminatedRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
WorkflowInstanceTerminatedRecordExtensionsExtensions.ToFormattedString Method

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)

Returns the record as a formatted string
## Syntax

### C#

```csharp
public static string ToFormattedString(
    this WorkflowInstanceTerminatedRecord record,
    TrackingOptions options = TrackingOptions.Default)
```

### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function ToFormattedString (_
    record As WorkflowInstanceTerminatedRecord,
    Optional options As TrackingOptions = TrackingOptions.Default)
) As String
```

### Visual C++

```cpp
public:
[ExtensionAttribute]
static String^ ToFormattedString(
    WorkflowInstanceTerminatedRecord^ record,
    TrackingOptions options = TrackingOptions::Default)
```

## Parameters

**record**
Type: `System.Activities.Tracking.WorkflowInstanceTerminatedRecord`
The record to trace.

**options** (Optional)
Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
The tracking options to use, if not provided will use the TrackingOptions.Default value.
**Return Value**
The formatted tracking record

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowInstanceTerminatedRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](ExtensionMethods(VisualBasic)) or [Extension Methods (C# Programming Guide)](ExtensionMethods(CSharpProgrammingGuide)).
See Also

WorkflowInstanceTerminatedRecordExtensions Class
WorkflowInstanceTerminatedRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The trace method.

**Namespace:** Microsoft.Activities.Extensions.Tracking  
**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll)  
Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static void Trace(
    this WorkflowInstanceTerminatedRecord record,
    TrackingOptions options = TrackingOptions.Default,
    TraceSource source = null
)
```

#### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Sub Trace ( _
    record As WorkflowInstanceTerminatedRecord, _
    Optional options As TrackingOptions = TrackingOptions::Default,
    Optional source As TraceSource = Nothing _
)
```

#### Visual C++

```cpp
public:
    [ExtensionAttribute]
    static void Trace(
        WorkflowInstanceTerminatedRecord^ record,
        TrackingOptions options = TrackingOptions::Default,
        TraceSource^ source = nullptr
    )
```

### Parameters

- **record**
  Type: `System.Activities.Tracking.WorkflowInstanceTerminatedRecord`
  The record to trace.

- **options** (Optional)
Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
The tracking options to use, if not provided will use the TrackingOptions.Default value

`source` (Optional)
Type: `System.Diagnostics.TraceSource`
The source.

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowInstanceTerminatedRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](https://docs.microsoft.com/visualstudio/extension-managed-code/extension-methods-visual-basic) or [Extension Methods (C# Programming Guide)](https://docs.microsoft.com/dotnet/csharp/programming-guide/extension-methods).
See Also

WorkflowInstanceTerminatedRecordExtensions Class
WorkflowInstanceTerminatedRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The workflow instance UnhandledException record extensions.

**Namespace:** [Microsoft.Activities.Extensions.Tracking](http://example.com/microsoft.activities.extensions.tracking)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
<table>
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<tr>
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<tbody>
<tr>
<td><strong>C#</strong></td>
<td></td>
</tr>
<tr>
<td><code>public static class WorkflowInstanceUnhandledExceptionRecordExtensions</code></td>
<td></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td></td>
</tr>
</tbody>
</table>
| `<ExtensionAttribute>` _  
Public NotInheritable Class WorkflowInstanceUnhandledExceptionRecordExtensions |  |
| **Visual C++** |  |
| `[ExtensionAttribute]`  
public ref class WorkflowInstanceUnhandledExceptionRecordExtensions |  |
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.Tracking.WorkflowInstanceUnhandledException
See Also

WorkflowInstanceUnhandledExceptionRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The `WorkflowInstanceUnhandledExceptionRecordExtensions` type exposes the following members.
### Methods

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See Also

WorkflowInstanceUnhandledExceptionRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
The **WorkflowInstanceUnhandledExceptionRecordExtensions** type exposes the following members.
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</table>
See Also

WorkflowInstanceUnhandledExceptionRecordExtensions Class
Microsoft.Activities.Extensions.Tracking Namespace
WorkflowInstanceUnhandledExceptionRecordExtensions.ToFormattedString Method

Returns the record as a formatted string

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static string ToFormattedString(
    this WorkflowInstanceUnhandledExceptionRecord TrackingOptions options = TrackingOptions.Default)
```

#### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Function ToFormattedString (_
    record As WorkflowInstanceUnhandledExceptionRecord
    Optional options As TrackingOptions = TrackingOptions.Default
) As String
```

#### Visual C++

```cpp
public:
    [ExtensionAttribute]
static String^ ToFormattedString(
    WorkflowInstanceUnhandledExceptionRecord^ record
    TrackingOptions options = TrackingOptions::Default
)
```

### Parameters

**record**

Type: `System.Activities.Tracking.WorkflowInstanceUnhandledExceptionRecord`

The record to trace.

**options** (Optional)

Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`

The tracking options to use, if not provided will use the
TrackingOptions.Default value

Return Value
The formatted tracking record

Usage Note
In Visual Basic and C#, you can call this method as an instance method on any object of type WorkflowInstanceUnhandledExceptionRecord. When you use instance method syntax to call this method, omit the first parameter. For more information, see Extension Methods (Visual Basic) or Extension Methods (C# Programming Guide).
See Also

WorkflowInstanceUnhandledExceptionRecordExtensions Class
WorkflowInstanceUnhandledExceptionRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
The trace method.

**Namespace**: [Microsoft.Activities.Extensions.Tracking](#)

**Assembly**: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

#### C#

```csharp
public static void Trace(
    this WorkflowInstanceUnhandledExceptionRecord record,
    TrackingOptions options = TrackingOptions.Default,
    TraceSource source = null
)
```

#### Visual Basic

```vbnet
<ExtensionAttribute> _
Public Shared Sub Trace (_
    record As WorkflowInstanceUnhandledExceptionRecord,
    Optional options As TrackingOptions = TrackingOptions.Default,
    Optional source As TraceSource = Nothing _
)
```

#### Visual C++

```cpp
public:
    [ExtensionAttribute]
public:
    [ExtensionAttribute]
```

```cpp
static void Trace(
    WorkflowInstanceUnhandledExceptionRecord^ record,
    TrackingOptions options = TrackingOptions::Default,
    TraceSource^ source = nullptr
)
```

### Parameters

- **record**
  - Type:
    - `System.Activities.Tracking.WorkflowInstanceUnhandledExceptionRecord`
  - The record to trace.
**options** (Optional)
Type: `Microsoft.Activities.Extensions.Tracking.TrackingOptions`
The tracking options to use, if not provided will use the TrackingOptions.Default value

**source** (Optional)
Type: `System.Diagnostics.TraceSource`
The source.

**Usage Note**
In Visual Basic and C#, you can call this method as an instance method on any object of type `WorkflowInstanceUnhandledExceptionRecord`. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](link) or [Extension Methods (C# Programming Guide)](link).
See Also

WorkflowInstanceUnhandledExceptionRecordExtensions Class
WorkflowInstanceUnhandledExceptionRecordExtensions Members
Microsoft.Activities.Extensions.Tracking Namespace
Types of XAML artifacts for Workflow

**Namespace:** [Microsoft.Activities.Extensions.Tracking](https://github.com/Microsoft/Activities)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

<table>
<thead>
<tr>
<th>Language</th>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td><code>public enum WorkflowXamlFileType</code></td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td><code>Public Enumeration WorkflowXamlFileType</code></td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td><code>public enum class WorkflowXamlFileType</code></td>
</tr>
</tbody>
</table>
### Members

<table>
<thead>
<tr>
<th>Member name</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unknown</td>
<td>0</td>
<td>The XAML file is unknown</td>
</tr>
<tr>
<td>Activity</td>
<td>1</td>
<td>The XAML file is an activity</td>
</tr>
<tr>
<td>WorkflowService</td>
<td>2</td>
<td>The XAML file is a WorkflowService</td>
</tr>
</tbody>
</table>
See Also

Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

XamlHelper Class

Helpers for dealing with XAML and XAMLX files

**Namespace:** [Microsoft.Activities.Extensions.Tracking](https://docs.microsoft.com/en-us/dotnet/api/microsoft.activities.extensions.tracking)

**Assembly:** Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

<table>
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<th>Language</th>
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</thead>
<tbody>
<tr>
<td><strong>C#</strong></td>
<td>public static class XamlHelper</td>
</tr>
<tr>
<td><strong>Visual Basic</strong></td>
<td>Public NotInheritable Class XamlHelper</td>
</tr>
<tr>
<td><strong>Visual C++</strong></td>
<td>public ref class XamlHelper abstract sealed</td>
</tr>
</tbody>
</table>
Inheritance Hierarchy

System.Object
Microsoft.Activities.Extensions.Tracking.XamlHelper
See Also

XamlHelper Members
Microsoft.Activities.Extensions.Tracking Namespace
The XamlHelper type exposes the following members.
## Methods

<table>
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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Load(String)</td>
<td>Loads a XAML or XAMLX file</td>
</tr>
<tr>
<td>Load(String, Assembly)</td>
<td>Loads a XAML or XAMLX file</td>
</tr>
<tr>
<td>LoadWorkflowService</td>
<td>Loads a WorkflowService</td>
</tr>
</tbody>
</table>
See Also

- XamlHelper Class
- Microsoft.Activities.Extensions.Tracking Namespace
The `XamlHelper` type exposes the following members.
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<th>Description</th>
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<tr>
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<td>Loads a WorkflowService</td>
</tr>
</tbody>
</table>
See Also

XamlHelper Class
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

XamlHelper.Load Method

XamlHelper Class See Also Send Feedback
### Overload List

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="" alt="Load(String)" /></td>
<td>Loads a XAML or XAMLX file</td>
</tr>
<tr>
<td><img src="" alt="Load(String, Assembly)" /></td>
<td>Loads a XAML or XAMLX file</td>
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</table>
See Also

XamlHelper Class
XamlHelper Members
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

XamlHelper.Load Method (String)

XamlHelper Class  See Also  Send Feedback

Loads a XAML or XAMLX file

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```
public static Activity Load(
    string xamlFile
)
```

**Visual Basic**

```
Public Shared Function Load ( _
    xamlFile As String _
) As Activity
```

**Visual C++**

```
public:
static Activity^ Load(
    String^ xamlFile
)
```

### Parameters

*xamlFile*

Type: `System.String`

The xaml file.

### Return Value

The activity or root activity of a WorkflowService
See Also

XamlHelper Class
XamlHelper Members
Load Overload
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

XamlHelper.Load Method (String, Assembly)

XamlHelper Class See Also Send Feedback

Loads a XAML or XAMLX file

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
### Syntax

**C#**

```csharp
public static Activity Load(
    string xamlFile,
    Assembly localAssembly
)
```

**Visual Basic**

```vbnet
Public Shared Function Load ( _
    xamlFile As String, _
    localAssembly As Assembly _
) As Activity
```

**Visual C++**

```cpp
public:
static Activity^ Load(
    String^ xamlFile,
    Assembly^ localAssembly
)
```

### Parameters

**xamlFile**  
Type: `System.String`  
The xaml file.

**localAssembly**  
Type: `System.Reflection.Assembly`  
The local assembly.

### Return Value
The activity or root activity of a WorkflowService
See Also

XamlHelper Class
XamlHelper Members
Load Overload
Microsoft.Activities.Extensions.Tracking Namespace
Microsoft.Activities.Extensions

XamlHelper.LoadWorkflowService Method

XamlHelper Class  See Also  Send Feedback

Loads a WorkflowService

Namespace: Microsoft.Activities.Extensions.Tracking
Assembly: Microsoft.Activities.Extensions (in Microsoft.Activities.Extensions.dll) Version: 2.0.6.9 (2.0.6.9)
## Syntax

### C#

```csharp
public static WorkflowService LoadWorkflowService(
    string xamlxFile
)
```

### Visual Basic

```vbnet
Public Shared Function LoadWorkflowService ( _
    xamlxFile As String _
) As WorkflowService
```

### Visual C++

```cpp
public:
static WorkflowService^ LoadWorkflowService(
    String^ xamlxFile
)
```

---

### Parameters

- **xamlxFile**
  - Type: System.String
  - The xaml file.

### Return Value

A WorkflowService
See Also

XamlHelper Class
XamlHelper Members
Microsoft.Activities.Extensions.Tracking Namespace