Serilog.Sinks.AmazonS3
Serilog Namespace
## Classes

<table>
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<tr>
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<th>Description</th>
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<tbody>
<tr>
<td>⚛️ <strong>LoggerConfigurationAmazonS3Extensions</strong></td>
<td>This class contains the Amazon S3 logger configuration.</td>
</tr>
</tbody>
</table>

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LoggerConfigurationAmazonS3Extensions

Class

This class contains the Amazon S3 logger configuration.

Namespace: Serilog
Syntax

C#
VB
C++

[SuppressMessageAttribute]
public static class LoggerConfigurationAmazonS3Extensions

<SuppressMessageAttribute> _
Public NotInheritable Class LoggerConfigurationAmazonS3Extensions

[SuppressMessageAttribute]
public ref class LoggerConfigurationAmazonS3Extensions abstract seal
Inheritance Hierarchy

Object
Serilog::LoggerConfigurationAmazonS3Extensions
See Also

ILoggerConfigurationAmazonS3Extensions Members
Serilog Namespace

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Serilog.Sinks.AmazonS3
LoggerConfigurationAmazonS3Extensions Members

The LoggerConfigurationAmazonS3Extensions type exposes the following members.
## Methods

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<tr>
<th>Name</th>
<th>Description</th>
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<tr>
<td>AmazonS3</td>
<td>Write log events to the specified file.</td>
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</table>
See Also

*LoggerConfigurationAmazonS3Extensions Class*
*Serilog Namespace*

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Serilog.Sinks.AmazonS3
LoggerConfigurationAmazonS3Extensions Methods

The LoggerConfigurationAmazonS3Extensions type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>s AmazonS3</td>
<td>Write log events to the specified file.</td>
</tr>
</tbody>
</table>
See Also

LoggerConfigurationAmazonS3Extensions Class
Serilog Namespace

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Serilog.Sinks.AmazonS3
LoggerConfigurationAmazonS3Extensions

Method

Write log events to the specified file.

Namespace:  Serilog
syntax

C#

VB

C++

public static LoggerConfiguration AmazonS3(
        LoggerSinkConfiguration sinkConfiguration,
        string path,
        string bucketName,
        RegionEndpoint endpoint,
        string awsAccessKeyId,
        string awsSecretAccessKey,
        LogEventLevel restrictedToMinimumLevel,
        string outputTemplate,
        IFormatProvider formatProvider,
        Nullable<long> fileSizeLimitBytes,
        LoggingLevelSwitch levelSwitch,
        bool buffered,
        RollingInterval rollingInterval,
        Nullable<int> retainedFileCountLimit,
        Encoding encoding,
        FileLifecycleHooks hooks)

Public Shared Function AmazonS3 (_
        sinkConfiguration As LoggerSinkConfiguration, _
        path As String, _
        bucketName As String, _
        endpoint As RegionEndpoint, _
        awsAccessKeyId As String, _
        awsSecretAccessKey As String, _
        restrictedToMinimumLevel As LogEventLevel, _
        outputTemplate As String, _
        formatProvider As IFormatProvider, _
        fileSizeLimitBytes As Nullable(Of Long), _
        levelSwitch As LoggingLevelSwitch, _
        buffered As Boolean, _
        rollingInterval As RollingInterval, _
        retainedFileCountLimit As Nullable(Of Integer), _
        encoding As Encoding, _
        hooks As FileLifecycleHooks _
    ) As LoggerConfiguration
public:
static LoggerConfiguration^ AmazonS3(
    LoggerSinkConfiguration^ sinkConfiguration,
    String^ path,
    String^ bucketName,
    RegionEndpoint^ endpoint,
    String^ awsAccessKeyId,
    String^ awsSecretAccessKey,
    LogEventLevel^ restrictedToMinimumLevel,
    String^ outputTemplate,
    IFormatProvider^ formatProvider,
    Nullable<long long^> fileSizeLimitBytes,
    LoggingLevelSwitch^ levelSwitch,
    bool^ buffered,
    RollingInterval^ rollingInterval,
    Nullable<int^> retainedFileCountLimit,
    Encoding^ encoding,
    FileLifecycleHooks^ hooks
)

Parameters

sinkConfiguration
    Type: LoggerSinkConfiguration
    Logger sink configuration.

path
    Type: String
    Path to the file.

bucketName
    Type: String
    The Amazon S3 bucket name.

endpoint
    Type: RegionEndpoint
    The Amazon S3 endpoint.

awsAccessKeyId
    Type: String
    The Amazon S3 access key id.
awsSecretAccessKey
Type: String
The Amazon S3 access key.

restrictedToMinimumLevel
Type: LogEventLevel
The minimum level for events passed through the sink. Ignored when levelSwitch is specified.

outputTemplate
Type: String
A message template describing the format used to write to the sink. the default is "{Timestamp:yyyy-MM-dd HH:mm:ss.fff zzz} [{Level:u3}] {Message:lj}{NewLine}{Exception}".

formatProvider
Type: IFormatProvider
Supplies culture-specific formatting information, or null.

fileSizeLimitBytes
Type: Nullable<((Of <('Int64'>)))>
The approximate maximum size, in bytes, to which a log file will be allowed to grow. For unrestricted growth, pass null. The default is 1 GB. To avoid writing partial events, the last event within the limit will be written in full even if it exceeds the limit.

levelSwitch
Type: LoggingLevelSwitch
A switch allowing the pass-through minimum level to be changed at runtime.

buffered
Type: Boolean
Indicates if flushing to the output file can be buffered or not. The default is false.

rollingInterval
Type: Serilog.Sinks.AmazonS3..::.RollingInterval
The interval at which logging will roll over to a new file.
retainedFileCountLimit
  Type: Nullable<Of (Int32)>>
  The maximum number of log files that will be retained, including the
current log file. For unlimited retention, pass null. The default is 31.

encoding
  Type: Encoding
  Character encoding used to write the text file. The default is UTF-8 without
BOM.

hooks
  Type: Serilog.Sinks.AmazonS3...FileLifecycleHooks
  Optionally enables hooking into log file lifecycle events.

Return Value

Configuration object allowing method chaining.
See Also

LoggerConfigurationAmazonS3Extensions Class
Serilog Namespace

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Serilog.Sinks.AmazonS3
Serilog.Sinks.AmazonS3 Namespace
## Classes

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<th>Class</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>AmazonS3Sink</td>
<td>This class is the main class and contains all options for the AmazonS3 sink.</td>
</tr>
<tr>
<td>FileLifecycleHooks</td>
<td>This class enables hooking into log file lifecycle events.</td>
</tr>
<tr>
<td>FileSink</td>
<td>This class enables writing log events to a disk file.</td>
</tr>
<tr>
<td>IoErrors</td>
<td>A class that simplifies the use of some I/O errors.</td>
</tr>
<tr>
<td>PathRoller</td>
<td>The class to apply the rolling path scenarios.</td>
</tr>
<tr>
<td>RollingFileSink</td>
<td>A class to write rolling files.</td>
</tr>
<tr>
<td>RollingIntervalExtensions</td>
<td>This class provides some extensions for the [RollingInterval] class.</td>
</tr>
<tr>
<td>RollingLogFile</td>
<td>A class that represents a rolling log file internally.</td>
</tr>
<tr>
<td>WriteCountingStream</td>
<td>This class is used to provide a write counting stream.</td>
</tr>
</tbody>
</table>
## Interfaces

<table>
<thead>
<tr>
<th>Interface</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IFileSink</td>
<td>Exists only for the convenience of [RollingFileSink], which switches implementations based on sharing. Would refactor, but preserving backwards compatibility.</td>
</tr>
<tr>
<td>IFlushableFileSink</td>
<td>This class is supported by (file-based) sinks that can be explicitly flushed.</td>
</tr>
</tbody>
</table>
## Enumerations

<table>
<thead>
<tr>
<th>Enumeration</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td><strong>RollingInterval</strong></td>
<td>Specifies the frequency at which the log file should roll.</td>
</tr>
</tbody>
</table>

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Serilog.Sinks.AmazonS3
AmazonS3Sink Class

This class is the main class and contains all options for the AmazonS3 sink.

**Namespace:**  Serilog.Sinks.AmazonS3
**Assembly:**  Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
Syntax

C#  
public class AmazonS3Sink

VB  
Public Class AmazonS3Sink

C++  
public ref class AmazonS3Sink
Inheritance Hierarchy

Object
Serilog.Sinks.AmazonS3...AmazonS3Sink
See Also

AmazonS3Sink Members
Serilog.Sinks.AmazonS3 Namespace

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Serilog.Sinks.AmazonS3
AmazonS3Sink Members

The AmazonS3Sink type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>🌐 AmazonS3Sink</td>
<td>Initializes a new instance of the [AmazonS3Sink] class.</td>
</tr>
</tbody>
</table>
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Emit</td>
<td>Emit the provided log event to the sink.</td>
</tr>
</tbody>
</table>
See Also

AmazonS3Sink Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
AmazonS3Sink Constructor

Initializes a new instance of the [AmazonS3Sink] class.

**Namespace:**  [Serilog.Sinks.AmazonS3]

**Assembly:**  Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
public AmazonS3Sink(
    ITextFormatter formatter,
    string path,
    Nullable<long> fileSizeLimitBytes,
    bool buffered,
    Encoding encoding,
    RollingInterval rollingInterval,
    Nullable<int> retainedFileCountLimit,
    FileLifecycleHooks hooks,
    string bucketName,
    RegionEndpoint endpoint,
    string awsAccessKeyId,
    string awsSecretAccessKey)

Public Sub New ( _
    formatter As ITextFormatter, _
    path As String, _
    fileSizeLimitBytes As Nullable(Of Long), _
    buffered As Boolean, _
    encoding As Encoding, _
    rollingInterval As RollingInterval, _
    retainedFileCountLimit As Nullable(Of Integer), _
    hooks As FileLifecycleHooks, _
    bucketName As String, _
    endpoint As RegionEndpoint, _
    awsAccessKeyId As String, _
    awsSecretAccessKey As String _
)

public: AmazonS3Sink(
    ITextFormatter^ formatter,
    String^ path,
    Nullable<long, long>^ fileSizeLimitBytes,
    bool^ buffered,
    Encoding^ encoding,
    RollingInterval^ rollingInterval,
Nullable<int^> retainedFileCountLimit, FileLifecycleHooks^ hooks, String^ bucketName, RegionEndpoint^ endpoint, String^ awsAccessKeyId, String^ awsSecretAccessKey
)

Parameters

formatter
 Type: ITextFormatter
 The formatter.

path
 Type: String
 The path.

fileSizeLimitBytes
 Type: Nullable<(Of ((Int64)>))>
 The file size limit bytes.

buffered
 Type: Boolean
 if set to true [buffered].

encoding
 Type: Encoding
 The encoding.

rollingInterval
 Type: Serilog.Sinks.AmazonS3..::.RollingInterval
 The rolling interval.

retainedFileCountLimit
 Type: Nullable<(Of ((Int32)>))>
 The retained file count limit.

hooks
 Type: Serilog.Sinks.AmazonS3..::.FileLifecycleHooks
bucketName
  Type: String
  The Amazon S3 bucket name.

endpoint
  Type: RegionEndpoint
  The Amazon S3 endpoint.

awsAccessKeyId
  Type: String
  The Amazon S3 access key id.

awsSecretAccessKey
  Type: String
  The Amazon S3 secret access key.

**Return Value**

## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ArgumentNullException] addSink or formatter or path</td>
<td>Negative value provided; file size limit must be non-negative. - fileSizeLimitBytes or At least one file must be retained. - retainedFileCountLimit or Buffered writes are not available when file sharing is enabled. - buffered or File lifecycle hooks are not currently supported for shared log files. - hooks</td>
</tr>
</tbody>
</table>
See Also

AmazonS3Sink Class
Serilog.Sinks.AmazonS3 Namespace

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Serilog.Sinks.AmazonS3
AmazonS3Sink Methods

The AmazonS3Sink type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Emit</td>
<td>Emit the provided log event to the sink.</td>
</tr>
</tbody>
</table>
See Also

AmazonS3Sink Class
Serilog.Sinks.AmazonS3 Namespace

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Serilog.Sinks.AmazonS3
AmazonS3Sink...Emit Method

Emit the provided log event to the sink.

**Namespace:**  [Serilog.Sinks.AmazonS3](https://github.com/serilog/Serilog.Sinks.AmazonS3)
**Assembly:**  Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
Syntax

C#

```csharp
public void Emit(LogEvent logEvent)
```

VB

```vb
Public Sub Emit(_
    logEvent As LogEvent_
)
```

C++

```cpp
public:
void Emit(
    LogEvent^ logEvent
)
```

Parameters

logEvent
  Type: LogEvent
  The log event to write.
See Also

AmazonS3Sink Class
Serilog.Sinks.AmazonS3 Namespace

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Serilog.Sinks.AmazonS3
FileLifecycleHooks Class

This class enables hooking into log file lifecycle events.

Namespace: Serilog.Sinks.AmazonS3
Syntax

C#
Public abstract class FileLifecycleHooks

VB
Public MustInherit Class FileLifecycleHooks

C++
public ref class FileLifecycleHooks abstract
Inheritance Hierarchy

Object
Serilog.Sinks.AmazonS3....FileLifecycleHooks
See Also

FileLifecycleHooks Members
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
FileLifecycleHooks Members

The FileLifecycleHooks type exposes the following members.
## Methods

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<tr>
<th>Name</th>
<th>Description</th>
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<tbody>
<tr>
<td>OnFileOpened</td>
<td>Initialize or wrap the underlyingStream opened on the log file. This can be used to write file headers, or wrap the stream in another that adds buffering, compression, encryption, etc. The underlying file may or may not be empty when this method is called.</td>
</tr>
</tbody>
</table>
See Also

FileLifecycleHooks Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
FileLifecycleHooks Methods

The FileLifecycleHooks type exposes the following members.
## Methods

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<tr>
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<tbody>
<tr>
<td><strong>OnFileOpened</strong></td>
<td>Initialize or wrap the underlyingStream opened on the log file. This can be used to write file headers, or wrap the stream in another that adds buffering, compression, encryption, etc. The underlying file may or may not be empty when this method is called.</td>
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See Also

FileLifecycleHooks Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
FileLifecycleHooks::OnFileOpened Method

Initialize or wrap the underlyingStream opened on the log file. This can be used to write file headers, or wrap the stream in another that adds buffering, compression, encryption, etc. The underlying file may or may not be empty when this method is called.

Namespace: Serilog.Sinks.AmazonS3
Syntax

C#
VB
C++

[SuppressMessageAttribute]
public virtual Stream OnFileOpened(
    Stream underlyingStream,
    Encoding encoding
)

<SuppressMessageAttribute> _
Public Overridable Function OnFileOpened ( _
    underlyingStream As Stream, _
    encoding As Encoding _
) As Stream

[SuppressMessageAttribute]
public:
virtual Stream^ OnFileOpened(
    Stream^ underlyingStream,
    Encoding^ encoding
)

Parameters

underlyingStream
    Type: Stream
    The underlying [Stream] opened on the log file.

encoding
    Type: Encoding
    The encoding to use when reading/writing to the stream.

Return Value

The [Stream] Serilog should use when writing events to the log file.
Remarks

A value must be returned from overrides of this method. Serilog will flush and/or dispose the returned value, but will not dispose the stream initially passed in unless it is itself returned.
Serilog.Sinks.AmazonS3
FileSink Class

This class enables writing log events to a disk file.

**Namespace:** [Serilog.Sinks.AmazonS3](https://github.com/Serilog/Serilog.Sinks.AmazonS3)

**Assembly:** Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
Syntax

C#  
VB  
C++

public class FileSink : IFileSink, IDisposable

Public Class FileSink  
        Implements IFileSink, IDisposable

public ref class FileSink : IFileSink, IDisposable
Inheritance Hierarchy

Object
Serilog.Sinks.AmazonS3..FileSink
See Also

FileSink Members
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
FileSink Members

The FileSink type exposes the following members.
## Constructors

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

<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>Emit</td>
<td>Emit the provided log event to the sink.</td>
</tr>
<tr>
<td>EmitOrOverflow</td>
<td>Emits the [LogEvent] or overflows.</td>
</tr>
<tr>
<td>FlushToDisk</td>
<td>Flush buffered contents to the disk.</td>
</tr>
</tbody>
</table>
See Also

FileSink Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
FileSink Constructor

Initializes a new instance of the [FileSink] class.

**Namespace:**  [Serilog.Sinks.AmazonS3]

**Assembly:**  Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
## Syntax

### C#

```csharp
public FileSink(
    string path,
    ITextFormatter textFormatter,
    Nullable<long> fileSizeLimitBytes,
    Encoding encoding,
    bool buffered,
    FileLifecycleHooks hooks
)
```

### VB

```vbnet
Public Sub New (_
    path As String, _
    textFormatter As ITextFormatter, _
    fileSizeLimitBytes As Nullable(Of Long), _
    encoding As Encoding, _
    buffered As Boolean, _
    hooks As FileLifecycleHooks _
)
```

### C++

```cpp
public:
    FileSink(
        String^ path,
        ITextFormatter^ textFormatter,
        Nullable<long long>^ fileSizeLimitBytes,
        Encoding^ encoding,
        bool^ buffered,
        FileLifecycleHooks^ hooks
    )
```

### Parameters

**path**
- **Type:** String
  - The path.

**textFormatter**
- **Type:** ITextFormatter
The text formatter.

fileSizeLimitBytes
  Type: Nullable<Of <('Int64'>)>)
The file size limit bytes.

encoding
  Type: Encoding
  The encoding.

buffered
  Type: Boolean
  if set to true [buffered].

hooks
  Type: Serilog.Sinks.AmazonS3...:..FileLifecycleHooks
  The hooks.
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ArgumentNullException]</td>
<td>path or textFormatter</td>
</tr>
<tr>
<td>[ArgumentException]</td>
<td>Negative value provided; file size limit must be non-negative.</td>
</tr>
</tbody>
</table>
See Also

FileSink Class
Serilog.Sinks.AmazonS3 Namespace

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Serilog.Sinks.AmazonS3
FileSink Methods

The FileSink type exposes the following members.
## Methods

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<tr>
<th>Name</th>
<th>Description</th>
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<tbody>
<tr>
<td>Dispose</td>
<td>Performs application-defined tasks associated with freeing, releasing, or resetting unmanaged resources.</td>
</tr>
<tr>
<td>Emit</td>
<td>Emit the provided log event to the sink.</td>
</tr>
<tr>
<td>EmitOrOverflow</td>
<td>Emits the [LogEvent] or overflows.</td>
</tr>
<tr>
<td>FlushToDisk</td>
<td>Flush buffered contents to the disk.</td>
</tr>
</tbody>
</table>
See Also

FileSink Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
FileSink..::.Dispose Method

Performs application-defined tasks associated with freeing, releasing, or resetting unmanaged resources.

Namespace:  Serilog.Sinks.AmazonS3
Syntax

C#
VB
C++

public void Dispose()

Public Sub Dispose

public:
void Dispose()
See Also

FileSink Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
FileSink..::.Emit Method

Emit the provided log event to the sink.

Namespace:  Serilog.Sinks.AmazonS3
Syntax

C#
VB
C++

public void Emit(
    LogEvent logEvent
)

Public Sub Emit ( _
    logEvent As LogEvent _
)

public:
void Emit(
    LogEvent^ logEvent
)

Parameters

logEvent
    Type: LogEvent
    The log event to write.
See Also

FileSink Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
FileSink..::..EmitOrOverflow Method

Emits the [LogEvent] or overflows.

**Namespace:**  [Serilog.Sinks.AmazonS3]

**Assembly:**  Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
Syntax

C#
VB
C++

public bool EmitOrOverflow(
    LogEvent logEvent
)

Public Function EmitOrOverflow ( _
    logEvent As LogEvent _
) As Boolean

public:
bool^ EmitOrOverflow(  
    LogEvent^ logEvent
)

Parameters

logEvent
    Type: LogEvent
    The log event.

Return Value

A [bool] indicating whether the emitting was a success or not.
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ArgumentNullException</td>
<td>logEvent</td>
</tr>
</tbody>
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See Also

FileSink Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
FileSink..::..FlushToDisk Method

Flush buffered contents to the disk.

**Namespace:**  [Serilog.Sinks.AmazonS3](https://github.com/Serilog/Serilog.Sinks.AmazonS3)
**Assembly:**  Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
Syntax

C#
VB
C++

public void FlushToDisk()

Public Sub FlushToDisk

public:
void FlushToDisk()
See Also

FileSink Class
Serilog.Sinks.AmazonS3 Namespace

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Serilog.Sinks.AmazonS3
IFileSink Interface

Exists only for the convenience of [RollingFileSink], which switches implementations based on sharing. Would refactor, but preserving backwards compatibility.

**Namespace:**  [Serilog.Sinks.AmazonS3]

**Assembly:**  Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
Syntax

C#
VB
C++

public interface IFileSink : IFlushableFileSink

Public Interface IFileSink _
Inherits IFlushableFileSink

public interface class IFileSink : IFlushableFileSink
See Also

IFileSink Members
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
IFileSink Members

The IFileSink type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
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<tbody>
<tr>
<td>EmitOrOverflow</td>
<td>Emits the [LogEvent] or overflows.</td>
</tr>
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</table>
See Also

IFileSink Interface
Serilog.Sinks.amazonaws3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
IFileSink Methods

The IFileSink type exposes the following members.
## Methods

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See Also

IFileSink Interface
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
**IFileSink...:::EmitOrOverflow Method**

Emits the [LogEvent] or overflows.

**Namespace:** Serilog.Sinks.AmazonS3  
**Assembly:** Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
Syntax

C#
VB
C++

bool EmitOrOverflow(
    LogEvent logEvent
)

Function EmitOrOverflow ( _
    logEvent As LogEvent _
) As Boolean

bool^ EmitOrOverflow(
    LogEvent^ logEvent
)

Parameters

logEvent
    Type: LogEvent
    The log event.

Return Value

A [bool] indicating whether the emitting was a success or not.
See Also

IFileSink Interface
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
IFlushableFileSink Interface

This class is supported by (file-based) sinks that can be explicitly flushed.

**Namespace:** Serilog.Sinks.AmazonS3  
**Assembly:** Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
Syntax

C#

public interface IFlushableFileSink

VB

Public Interface IFlushableFileSink

C++

public interface class IFlushableFileSink
See Also

IFlushableFileSink Members
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
IFlushableFileSink Members

The IFlushableFileSink type exposes the following members.
# Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FlushToDisk</strong></td>
<td>Flush buffered contents to the disk.</td>
</tr>
</tbody>
</table>
See Also

IFlushableFileSink Interface
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
IFlushableFileSink Methods

The IFlushableFileSink type exposes the following members.
## Methods

<table>
<thead>
<tr>
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</tr>
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<tbody>
<tr>
<td><strong>FlushToDisk</strong></td>
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</tbody>
</table>
See Also

IFlushableFileSink Interface
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
IFlushableFileSink..::.FlushToDisk Method

Flush buffered contents to the disk.

Namespace: Serilog.Sinks.AmazonS3
Syntax

C#  
void FlushToDisk()

VB  
Sub FlushToDisk
void FlushToDisk()
See Also

IFlushableFileSink Interface
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
IoErrors Class

A class that simplifies the use of some I/O errors.

Namespace: Serilog.Sinks.AmazonS3
**Syntax**

**C#**

```csharp
public static class IoErrors
```

**VB**

```vbnet
Public NotInheritable Class IoErrors
```

**C++**

```c++
public ref class IoErrors abstract sealed
```
Inheritance Hierarchy

Object
Serilog.Sinks.AmazonS3...IoErrors
See Also

IoErrors Members
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
IoErrors Members

The IoErrors type exposes the following members.
Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>✶ IsLockedFile</td>
<td>Determines whether the file is locked or not.</td>
</tr>
</tbody>
</table>
See Also

IoErrors Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
IoErrors Methods

The IoErrors type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>✧ IsLockedFile</td>
<td>Determines whether the file is locked or not.</td>
</tr>
</tbody>
</table>
See Also

IoErrors Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
IoErrors..::..IsLockedFile Method

Determines whether the file is locked or not.

Namespace:  [Serilog.Sinks.AmazonS3](https://github.com/serilog/Serilog.Sinks.AmazonS3)
Syntax

**C#**

```csharp
public static bool IsLockedFile(
    IOException ex
)
```

**VB**

```vbnet
Public Shared Function IsLockedFile ( _
    ex As IOException _
) As Boolean
```

**C++**

```c++
public:
static bool IsLockedFile(
    IOException^ ex
)
```

**Parameters**

ex
  Type: IOException
  The [IOException] to check.

**Return Value**

true if the file is locked; otherwise, false.
See Also

IoErrors Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
PathRoller Class

The class to apply the rolling path scenarios.

Namespace: Serilog.Sinks.AmazonS3  
Syntax

C#
Public class PathRoller

VB
Public Class PathRoller

C++
public ref class PathRoller
Inheritance Hierarchy

Object
Serilog.Sinks.AmazonS3...PathRoller
See Also

PathRoller Members
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
PathRoller Members

The PathRoller type exposes the following members.
## Constructors

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GetCurrentCheckpoint</td>
<td>Gets the current checkpoint.</td>
</tr>
<tr>
<td>GetLogFilePath</td>
<td>Gets the log file path.</td>
</tr>
<tr>
<td>GetNextCheckpoint</td>
<td>Gets the next checkpoint.</td>
</tr>
<tr>
<td>SelectMatches</td>
<td>Selects the matches.</td>
</tr>
</tbody>
</table>
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="#">DirectorySearchPattern</a></td>
<td>Gets the directory search pattern.</td>
</tr>
<tr>
<td><a href="#">LogFileDirectory</a></td>
<td>Gets the log file directory.</td>
</tr>
</tbody>
</table>
See Also

PathRoller Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
PathRoller Constructor

Initializes a new instance of the [PathRoller] class.

**Namespace:**  [Serilog.Sinks.AmazonS3]  
**Assembly:**  Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
Syntax

**C#**

```csharp
public PathRoller(
    string path,
    RollingInterval interval
)
```

**VB**

```vbnet
Public Sub New ( _
    path As String, _
    interval As RollingInterval _
)
```

**C++**

```cpp
public:
PathRoller(  
    String^ path,
    RollingInterval^ interval
)
```

**Parameters**

- **path**
  Type: `String`
  The path.

- **interval**
  Type: `Serilog.Sinks.AmazonS3::<::RollingInterval`
  The interval.
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ArgumentNullException</td>
<td>An ArgumentNullException thrown when the path is null.</td>
</tr>
</tbody>
</table>
See Also

PathRoller Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
PathRoller Methods

The `PathRoller` type exposes the following members.
## Methods

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<td><code>GetNextCheckpoint</code></td>
<td>Gets the next checkpoint.</td>
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<tr>
<td><code>SelectMatches</code></td>
<td>Selects the matches.</td>
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</tbody>
</table>
See Also

PathRoller Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
PathRoller:GetCurrentCheckpoint Method

Gets the current checkpoint.

Namespace:  Serilog.Sinks.AmazonS3
**Syntax**

**C#**

```csharp
public Nullable<DateTime> GetCurrentCheckpoint(
    DateTime instant
)
```

**VB**

```vbnet
Public Function GetCurrentCheckpoint( _
    instant As DateTime _
) As Nullable(Of DateTime)
```

**C++**

```c++
public:
    Nullable<DateTime^> GetCurrentCheckpoint(
        DateTime^ instant
    )
```

**Parameters**

instant

Type: `DateTime`

The instant.

**Return Value**

A [DateTime] value that gives the current checkpoint.
See Also

PathRoller Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
PathRoller...:..GetLogFilePath Method

Gets the log file path.

**Namespace:**  [Serilog.Sinks.AmazonS3](https://github.com/Serilog/Serilog/wiki/Serilog.Sinks.AmazonS3)

**Assembly:**  Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
### Syntax

**C#**

```csharp
public void GetLogFilePath(
    DateTime date,
    Nullable<int> sequenceNumber,
    out string path
)
```

**VB**

```vbnet
Public Sub GetLogFilePath (_
    date As DateTime, _
    sequenceNumber As Nullable(Of Integer), _
    <OutAttribute> ByRef path As String _
)
```

**C++**

```cpp
public:
    void GetLogFilePath(
        DateTime^ date,
        Nullable<int^> sequenceNumber,
        [OutAttribute] String^% path
    )
```

### Parameters

**date**
- Type: `DateTime`
- The date.

**sequenceNumber**
- Type: `Nullable<(Of 'Int32)>`
- The sequence number.

**path**
- Type: `String%`
- The path.
See Also

PathRoller Class
Serilog.Sinks AMAZON S3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
PathRoller:::.GetNextCheckpoint Method

Gets the next checkpoint.

**Namespace:** [Serilog.Sinks.AmazonS3](https://example.com)

**Assembly:** Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
Syntax

C#  
VB  
C++

public Nullable<DateTime> GetNextCheckpoint(  
    DateTime instant  
)

Public Function GetNextCheckpoint ( _  
    instant As DateTime _  
) As Nullable(Of DateTime)

public:  
Nullable<DateTime^> GetNextCheckpoint(  
    DateTime^ instant  
)

Parameters

instant  
Type: DateTime  
The instant.

Return Value

A [DateTime] value that gives the next checkpoint.
See Also

PathRoller Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
PathRoller:::..SelectMatches Method

Selects the matches.

Namespace: Serilog.Sinks.AmazonS3
Syntax

C#

```csharp
public IEnumerable<RollingLogFile> SelectMatches(
    IEnumerable<string> fileNames
)
```

VB

```vbnet
Public Function SelectMatches(
    ByVal fileNames As IEnumerable(Of String)
) As IEnumerable(Of RollingLogFile)
```

C++

```cpp
public:
    IEnumerable<RollingLogFile>^ SelectMatches(
        IEnumerable<String>^ fileNames
    )
```

Parameters

fileNames
Type: `IEnumerable<Of <String>>`
The file names.

Return Value

An `[IEnumerable{T}]` of `[RollingLogFile]s.`
See Also

PathRoller Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
PathRoller Properties

The PathRoller type exposes the following members.
Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DirectorySearchPattern</td>
<td>Gets the directory search pattern.</td>
</tr>
<tr>
<td>LogFileDirectory</td>
<td>Gets the log file directory.</td>
</tr>
</tbody>
</table>
See Also

PathRoller Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
PathRoller..::..DirectorySearchPattern Property

Gets the directory search pattern.

Namespace: Serilog.Sinks.AmazonS3
**Syntax**

*C#*
```
public string DirectorySearchPattern { get; }
```

*VB*
```
Public ReadOnly Property DirectorySearchPattern As String
Get
```

*C++*
```
public:
property String^ DirectorySearchPattern {
    String^ get ();
}
```

**Field Value**

The directory search pattern.
See Also

PathRoller Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
PathRoller...LogFileDirectory Property

Gets the log file directory.

**Namespace:** [Serilog.Sinks.AmazonS3](https://www.nuget.org/packages/Serilog.Sinks.AmazonS3)

**Assembly:** Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
Syntax

C#

public string LogFileDirectory { get; }

VB

Public ReadOnly Property LogFileDirectory As String
Get

C++

public: String^ LogFileDirectory { String^ get ();
}

Field Value

The log file directory.
See Also

PathRoller Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
RollingFileSink Class

A class to write rolling files.

**Namespace:** [Serilog.Sinks.AmazonS3](https://github.com/Serilog/Serilog.Sinks.AmazonS3)

**Assembly:** Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
Syntax

C#  
Public class RollingFileSink : IFlushableFileSink, IDisposable

VB  
Public Class RollingFileSink  
    Implements IFlushableFileSink, IDisposable

C++  
public ref class RollingFileSink : IFlushableFileSink, IDisposable
Inheritance Hierarchy

Object
Serilog.Sinks.AmazonS3..RollingFileSink
See Also

RollingFileSink Members
Serilog.Sinks.AmazonS3 Namespace
[ILogEventSink]
[IFlushableFileSink]
[IDisposable]

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
RollingFileSink Members

The RollingFileSink type exposes the following members.
## Constructors

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dispose</strong></td>
<td>Performs application-defined tasks associated with freeing, releasing, or resetting unmanaged resources.</td>
</tr>
<tr>
<td><strong>Emit</strong></td>
<td>Emit the provided log event to the sink.</td>
</tr>
<tr>
<td><strong>FlushToDisk</strong></td>
<td>Flush buffered contents to the disk.</td>
</tr>
</tbody>
</table>
See Also

RollingFileSink Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
RollingFileSink Constructor

Initializes a new instance of the [RollingFileSink] class.

**Namespace:**  [Serilog.Sinks.AmazonS3]

**Assembly:**  Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
Syntax

C#

```csharp
public RollingFileSink(
    string path,
    ITextFormatter textFormatter,
    Nullable<long> fileSizeLimitBytes,
    Nullable<int> retainedFileCountLimit,
    Encoding encoding,
    bool buffered,
    RollingInterval rollingInterval,
    bool rollOnFileSizeLimit,
    FileLifecycleHooks fileLifecycleHooks,
    string bucketName,
    RegionEndpoint endpoint,
    string awsAccessKeyId,
    string awsSecretAccessKey
)
```

VB

```vb
Public Sub New (
    path As String,
    textFormatter As ITextFormatter,
    fileSizeLimitBytes As Nullable(Of Long),
    retainedFileCountLimit As Nullable(Of Integer),
    encoding As Encoding,
    buffered As Boolean,
    rollingInterval As RollingInterval,
    rollOnFileSizeLimit As Boolean,
    fileLifecycleHooks As FileLifecycleHooks,
    bucketName As String,
    endpoint As RegionEndpoint,
    awsAccessKeyId As String,
    awsSecretAccessKey As String,
)
```

C++

```c++
public:
RollingFileSink(
    String^ path,
    ITextFormatter^ textFormatter,
    Nullable<long long^> fileSizeLimitBytes,
    Nullable<int^> retainedFileCountLimit,
)
Parameters

path
   Type: String
   The path.

textFormatter
   Type: ITextFormatter
   The text formatter.

fileSizeLimitBytes
   Type: Nullable<Of<('Int64')>>
   The file size limit bytes.

retainedFileCountLimit
   Type: Nullable<Of<('Int32')>>
   The retained file count limit.

encoding
   Type: Encoding
   The encoding.

buffered
   Type: Boolean
   if set to true [buffered].

rollingInterval
   Type: Serilog.Sinks.AmazonS3::RollingInterval
   The rolling interval.
rollOnFileSizeLimit
  Type: **Boolean**
  if set to true [roll on file size limit].

fileLifecycleHooks
  Type: Serilog.Sinks.AmazonS3, Serilog.Sinks.File LifecycleHooks
  The file lifecycle hooks.

bucketName
  Type: **String**
  The Amazon S3 bucket name.

endpoint
  Type: RegionEndpoint
  The Amazon S3 endpoint.

awsAccessKeyId
  Type: **String**
  The Amazon S3 access key id.

awsSecretAccessKey
  Type: **String**
  The Amazon S3 access key.
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ArgumentNullException</td>
<td>An [ArgumentNullException] thrown when the path is null.</td>
</tr>
<tr>
<td>ArgumentException</td>
<td>Negative value provided; file size limit must be non-negative. or Zero or negative value provided; retained file count limit must be at least 1.</td>
</tr>
</tbody>
</table>
See Also

RollingFileSink Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
RollingFileSink Methods

The `RollingFileSink` type exposes the following members.
## Methods

<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>✨ Emit</td>
<td>Emit the provided log event to the sink.</td>
</tr>
<tr>
<td>✨ FlushToDisk</td>
<td>Flush buffered contents to the disk.</td>
</tr>
</tbody>
</table>
See Also

RollingFileSink Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
RollingFileSink:::.Dispose Method

Performs application-defined tasks associated with freeing, releasing, or resetting unmanaged resources.

Namespace:  Serilog.Sinks.AmazonS3
Syntax

C#

public void Dispose()

VB

Public Sub Dispose

C++

public:

void Dispose()
See Also

RollingFileSink Class  
Serilog.Sinks.AmazonS3 Namespace  

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
RollingFileSink...::..Emit Method

Emit the provided log event to the sink.

Namespace: Serilog.Sinks.AmazonS3
Syntax

**C#**

```csharp
public void Emit(
    LogEvent logEvent
)
```

**VB**

```vbnet
Public Sub Emit ( _
    logEvent As LogEvent _
)
```

**C++**

```cpp
public:
    void Emit(
        LogEvent^ logEvent
    )
```

**Parameters**

logEvent

Type: LogEvent

The log event to write.
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ArgumentNullException]</td>
<td>logEvent</td>
</tr>
<tr>
<td>[ObjectDisposedException]</td>
<td>The log file has been disposed.</td>
</tr>
</tbody>
</table>
See Also

RollingFileSink Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
RollingFileSink..:::.FlushToDisk Method

Flush buffered contents to the disk.

Namespace:  Serilog.Sinks.AmazonS3
Syntax

C#
VB
C++

class MyClass
{
    public void FlushToDisk()
}

Public Sub FlushToDisk

public:
void FlushToDisk()
See Also

RollingFileSink Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
RollingInterval Enumeration

Specifies the frequency at which the log file should roll.

Namespace:  Serilog.Sinks.AmazonS3
Syntax

C#
VB
C++

public enum RollingInterval
Public Enumeration RollingInterval
public enum class RollingInterval
## Members

<table>
<thead>
<tr>
<th>Member name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year</strong></td>
<td>Roll every year. File names will have a four-digit year appended in the pattern C# yyyy</td>
</tr>
<tr>
<td><strong>Month</strong></td>
<td>Roll every calendar month. File names will have C# yyyyMM appended.</td>
</tr>
<tr>
<td><strong>Day</strong></td>
<td>Roll every day. File names will have C# yyyyMMdd appended.</td>
</tr>
<tr>
<td><strong>Hour</strong></td>
<td>Roll every hour. File names will have C# yyyyMMddHH appended.</td>
</tr>
<tr>
<td><strong>Minute</strong></td>
<td>Roll every minute. File names will have C# yyyyMMddHHmm appended.</td>
</tr>
</tbody>
</table>
See Also

Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
RollingIntervalExtensions Class

This class provides some extensions for the [RollingInterval] class.

**Namespace:**  [Serilog.Sinks.AmazonS3]

**Assembly:**  Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
Syntax

**C#**

```csharp
public static class RollingIntervalExtensions
```

**VB**

```vbnet
Public NotInheritable Class RollingIntervalExtensions
```

**C++**

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

Object
Serilog.Sinks.AmazonS3....RollingIntervalExtensions
See Also

RollingIntervalExtensions Members
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
RollingIntervalExtensions Members

The RollingIntervalExtensions type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GetCurrentCheckpoint</td>
<td>Gets the current checkpoint.</td>
</tr>
<tr>
<td>GetFormat</td>
<td>Gets the format for the [RollingInterval].</td>
</tr>
<tr>
<td>NextCheckpoint</td>
<td>Gets the next checkpoint.</td>
</tr>
</tbody>
</table>
See Also

RollingIntervalExtensions Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
RollingIntervalExtensions Methods

The RollingIntervalExtensions type exposes the following members.
## Methods

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<tr>
<th>Name</th>
<th>Description</th>
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<tbody>
<tr>
<td>✂️ GetCurrentCheckpoint</td>
<td>Gets the current checkpoint.</td>
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<td>✂️ GetFormat</td>
<td>Gets the format for the [RollingInterval].</td>
</tr>
<tr>
<td>✂️ GetNextCheckpoint</td>
<td>Gets the next checkpoint.</td>
</tr>
</tbody>
</table>
See Also

RollingIntervalExtensions Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
RollingIntervalExtensions::GetCurrentCheckpoint Method

Gets the current checkpoint.

**Namespace:**  Serilog.Sinks.AmazonS3  
**Assembly:**  Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
## Syntax

### C#

```csharp
public static Nullable<DateTime> GetCurrentCheckpoint(
    RollingInterval interval,
    DateTime instant
)
```

### VB

```vbnet
Public Shared Function GetCurrentCheckpoint ( _
    interval As RollingInterval, _
    instant As DateTime _
) As Nullable(Of DateTime)
```

### C++

```cpp
public:
static Nullable<DateTime^> GetCurrentCheckpoint(
    RollingInterval^ interval,
    DateTime^ instant
)
```

### Parameters

**interval**
- Type: `Serilog.Sinks.AmazonS3..::..RollingInterval`
- The interval.

**instant**
- Type: `DateTime`
- The instant.

### Return Value

A `[DateTime]` value that gives the current checkpoint.
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ArgumentException]</td>
<td>Invalid rolling interval</td>
</tr>
</tbody>
</table>
See Also

RollingIntervalExtensions Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
RollingIntervalExtensions..::..GetFormat Method

Gets the format for the [RollingInterval].

Namespace: Serilog.Sinks.AmazonS3
Syntax

C#

```csharp
public static string GetFormat(
    RollingInterval interval
)
```

VB

```vbnet
Public Shared Function GetFormat (_
    interval As RollingInterval _
) As String
public:
static String^ GetFormat(  
    RollingInterval^ interval
)
```

Parameters

interval

Type: Serilog.Sinks.AmazonS3...RollingInterval
The interval.

Return Value

The format for the [RollingInterval].
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ArgumentException</td>
<td>Invalid rolling interval.</td>
</tr>
</tbody>
</table>
See Also

RollingIntervalExtensions Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
RollingIntervalExtensions..::.GetNext Method

Gets the next checkpoint.

**Namespace**: Serilog.Sinks.AmazonS3

**Assembly**: Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
Syntax

C#

```csharp
public static Nullable<DateTime> GetNextCheckpoint(
    RollingInterval interval,
    DateTime instant
)
```

VB

```vbnet
Public Shared Function GetNextCheckpoint ( _
    interval As RollingInterval, _
    instant As DateTime _
) As Nullable(Of DateTime)
```

C++

```cpp
public:
static Nullable<DateTime^> GetNextCheckpoint(
    RollingInterval^ interval,
    DateTime^ instant
)
```

Parameters

interval
- Type: Serilog.Sinks.AmazonS3..::.RollingInterval
  The interval.

instant
- Type: DateTime
  The instant.

Return Value

A [DateTime] value that gives the next checkpoint.
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ArgumentException]</td>
<td>Invalid rolling interval</td>
</tr>
</tbody>
</table>
See Also

RollingIntervalExtensions Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
RollingLogFile Class

A class that represents a rolling log file internally.

**Namespace:** [Serilog.Sinks.AmazonS3](https://github.com/serilog/Serilog.Sinks.AmazonS3)

**Assembly:** Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
Syntax

C#
VB
C++

public class RollingLogFile
Public Class RollingLogFile
public ref class RollingLogFile
Inheritance Hierarchy

Object
Serilog.Sinks.AmazonS3.RollingLogFile
See Also

RollingLogFile Members
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
RollingLogFile Members

The RollingLogFile type exposes the following members.
## Constructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>RollingLogFile</code></td>
<td>Initializes a new instance of the [RollingLogFile] class.</td>
</tr>
</tbody>
</table>
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DateTime</td>
<td>Gets the date time.</td>
</tr>
<tr>
<td>Filename</td>
<td>Gets the filename.</td>
</tr>
<tr>
<td>SequenceNumber</td>
<td>Gets the sequence number.</td>
</tr>
</tbody>
</table>
See Also

RollingLogFile Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
RollingLogFile Constructor

Initializes a new instance of the [RollingLogFile] class.

Namespace: Serilog.Sinks.AmazonS3
**Syntax**

### C#

```csharp
public RollingLogFile(
    string filename,
    Nullable<DateTime> dateTime,
    Nullable<int> sequenceNumber
)
```

### VB

```vbnet
Public Sub New (_
    filename As String,
    dateTime As Nullable(Of DateTime),
    sequenceNumber As Nullable(Of Integer)
)
```

### C++

```cpp
public:
RollingLogFile(
    String^ filename,
    Nullable< DateTime^> dateTime,
    Nullable< int^> sequenceNumber
)
```

### Parameters

- **filename**
  - Type: **String**
  - The filename.

- **dateTime**
  - Type: **Nullable< Of ('DateTime')>**
  - The date time.

- **sequenceNumber**
  - Type: **Nullable< Of ('Int32')>**
  - The sequence number.
See Also

RollingLogFile Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
RollingLogFile Properties

The RollingLogFile type exposes the following members.
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DateTime</td>
<td>Gets the date time.</td>
</tr>
<tr>
<td>Filename</td>
<td>Gets the filename.</td>
</tr>
<tr>
<td>SequenceNumber</td>
<td>Gets the sequence number.</td>
</tr>
</tbody>
</table>
See Also

RollingLogFile Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
RollingLogFile...DateTime Property

Gets the date time.

Namespace:  Serilog.Sinks.AmazonS3
Syntax

C#

```csharp
public Nullable<DateTime> DateTime { get; }
```

VB

```vbscript
Public Readonly Property DateTime As Nullable(Of DateTime)
    Get
        '<Put the implementation here>
    End Get
    Public property Nullable(Of DateTime) DateTime { get; }
    Nullable(Of DateTime) get ();
```  

C++

```cpp
public Nullable<DateTime> DateTime { get; }
```

Field Value

The date time.
See Also

RollingLogFile Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
RollingLogFile...Filename Property

Gets the filename.

Namespace: [Serilog.Sinks.AmazonS3](https://github.com/serilog/Serilog.Sinks.AmazonS3)
Syntax

C#

```csharp
public string Filename { get; }
```

VB

```vbnet
Public ReadOnly Property Filename As String
    Get
    public: String^ Filename { get; }
    }
```

C++

```cpp
public: string Filename { get; }
```

**Field Value**

The filename.
See Also

RollingLogFile Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
RollingLogFile..:::..SequenceNumber Property

Gets the sequence number.

Namespace: Serilog.Sinks.AmazonS3
Syntax

C#
VB
C++

public Nullable<int> SequenceNumber { get; }

Public ReadOnly Property SequenceNumber As Nullable(Of Integer)
    Get
        Public: Nullable<int>^ SequenceNumber { get }
            Nullable<int>^ get();
    }  

Field Value

The sequence number.
See Also

RollingLogFile Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
WriteCountingStream Class

This class is used to provide a write counting stream.

**Namespace:** [Serilog.Sinks.AmazonS3](https://github.com/Microsoft/serilog-sinks-amazon-s3)

**Assembly:** Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
Syntax

C#

public class WriteCountingStream : Stream

VB

Public Class WriteCountingStream
    Inherits Stream

C++

class WriteCountingStream : public Stream
Inheritance Hierarchy

- Object
  - MarshalByRefObject
  - Stream
    - Serilog.Sinks.AmazonS3
    - WriteCountingStream
See Also

WriteCountingStream Members
Serilog.Sinks.AmazonS3 Namespace
Stream

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
WriteCountingStream Members

The WriteCountingStream type exposes the following members.
## Constructors

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flush</strong></td>
<td>When overridden in a derived class, clears all buffers for this stream and causes any buffered data to be written to the underlying device.</td>
</tr>
<tr>
<td><strong>Read</strong></td>
<td>When overridden in a derived class, reads a sequence of bytes from the current stream and advances the position within the stream by the number of bytes read.</td>
</tr>
<tr>
<td><strong>Seek</strong></td>
<td>When overridden in a derived class, sets the position within the current stream.</td>
</tr>
<tr>
<td><strong>SetLength</strong></td>
<td>When overridden in a derived class, sets the length of the current stream.</td>
</tr>
<tr>
<td><strong>Write</strong></td>
<td>When overridden in a derived class, writes a sequence of bytes to the current stream and advances the current position within this stream by the number of bytes written.</td>
</tr>
</tbody>
</table>
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>![CanRead] CanRead</td>
<td>When overridden in a derived class, gets a value indicating whether the current stream supports reading.</td>
</tr>
<tr>
<td>![CanSeek] CanSeek</td>
<td>When overridden in a derived class, gets a value indicating whether the current stream supports seeking.</td>
</tr>
<tr>
<td>![CanWrite] CanWrite</td>
<td>When overridden in a derived class, gets a value indicating whether the current stream supports writing.</td>
</tr>
<tr>
<td>![CountedLength] CountedLength</td>
<td>Gets the length of the counted value.</td>
</tr>
<tr>
<td>![Length] Length</td>
<td>When overridden in a derived class, gets the length in bytes of the stream.</td>
</tr>
<tr>
<td>![Position] Position</td>
<td>When overridden in a derived class, gets or sets the position within the current stream.</td>
</tr>
</tbody>
</table>
See Also

WriteCountingStream Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
WriteCountingStream Constructor

Initializes a new instance of the WriteCountingStream class.

Namespace: Serilog.Sinks.AmazonS3
Syntax

C#
VB
C++

public WriteCountingStream(
    Stream stream
)

Public Sub New ( _
    stream As Stream _
)

public:
WriteCountingStream(  
    Stream^ stream
)

Parameters

stream
    Type: Stream
    The stream.
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ArgumentNullException</td>
<td>The stream is null.</td>
</tr>
</tbody>
</table>
See Also

WriteCountingStream Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
WriteCountingStream Methods

The `WriteCountingStream` type exposes the following members.
## Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>🚸 <strong>Flush</strong></td>
<td>When overridden in a derived class, clears all buffers for this stream and causes any buffered data to be written to the underlying device.</td>
</tr>
<tr>
<td>🚸 <strong>Read</strong></td>
<td>When overridden in a derived class, reads a sequence of bytes from the current stream and advances the position within the stream by the number of bytes read.</td>
</tr>
<tr>
<td>🚸 <strong>Seek</strong></td>
<td>When overridden in a derived class, sets the position within the current stream.</td>
</tr>
<tr>
<td>🚸 <strong>SetLength</strong></td>
<td>When overridden in a derived class, sets the length of the current stream.</td>
</tr>
<tr>
<td>🚸 <strong>Write</strong></td>
<td>When overridden in a derived class, writes a sequence of bytes to the current stream and advances the current position within this stream by the number of bytes written.</td>
</tr>
</tbody>
</table>
See Also

WriteCountingStream Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
WriteCountingStream..::..Flush Method

When overridden in a derived class, clears all buffers for this stream and causes any buffered data to be written to the underlying device.

Namespace:  Serilog.Sinks.AmazonS3
Syntax

C#
public void Flush()

VB
Public Sub Flush

C++
public:
void Flush()
See Also

WriteCountingStream Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
WriteCountingStream..::..Read Method

When overridden in a derived class, reads a sequence of bytes from the current stream and advances the position within the stream by the number of bytes read.

Namespace:  Serilog.Sinks.AmazonS3
Syntax

C#

```csharp
public int Read(
    byte[] buffer,
    int offset,
    int count
)
```

VB

```vbnet
Public Function Read (_
    buffer As Byte(), _
    offset As Integer, _
    count As Integer _
) As Integer
```

C++

```cpp
class MyClass
{public:
    int Read(
        array<unsigned char^>^ buffer,
        int^ offset,
        int^ count
    );
};
```

Parameters

buffer
Type: array<Byte>[]()[[]]
An array of bytes. When this method returns, the buffer contains the specified byte array with the values between offset and (offset + count - 1) replaced by the bytes read from the current source.

offset
Type: Int32
The zero-based byte offset in buffer at which to begin storing the data read from the current stream.

count
Type: Int32
The maximum number of bytes to be read from the current stream.

**Return Value**

The total number of bytes read into the buffer. This can be less than the number of bytes requested if that many bytes are not currently available, or zero (0) if the end of the stream has been reached.
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>[NotSupportedException]</td>
<td></td>
</tr>
</tbody>
</table>
See Also

WriteCountingStream Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
WriteCountingStream::Seek Method

When overridden in a derived class, sets the position within the current stream.

**Namespace:** Serilog.Sinks.AmazonS3  
**Assembly:** Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
Syntax

C#  
VB  
C++

```csharp
public long Seek(
    long offset,
    SeekOrigin origin
)
```

```vbnet
Public Function Seek (
    offset As Long,
    origin As SeekOrigin
) As Long
```

```cpp
public:
     long long^ Seek(
        long long^ offset,
        SeekOrigin^ origin
)
```

Parameters

offset  
Type: Int64  
A byte offset relative to the origin parameter.

origin  
Type: SeekOrigin  
A value of type SeekOrigin indicating the reference point used to obtain the new position.

Return Value

The new position within the current stream.
### Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>[InvalidOperationException]</td>
<td>Seek operations are not available through <code>{nameof(WriteCountingStream)}</code></td>
</tr>
</tbody>
</table>
See Also

WriteCountingStream Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
**WriteCountingStream...::...SetLength Method**

When overridden in a derived class, sets the length of the current stream.

**Namespace:**  [Serilog.Sinks.AmazonS3](https://serilog.github.io/Serilog.Sinks.AmazonS3.html)

**Assembly:**  Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
**Syntax**

C#  
```csharp
public void SetLength(
    long value
)
```

VB  
```vbnet
Public Sub SetLength ( _
    value As Long _
)
```

C++  
```cpp
public:
void SetLength(
    long value
)
```

**Parameters**

value  
Type: **Int64**  
The desired length of the current stream in bytes.
# Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>NotSupportedException</td>
<td></td>
</tr>
</tbody>
</table>
See Also

WriteCountingStream Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
WriteCountingStream..::..Write Method

When overridden in a derived class, writes a sequence of bytes to the current stream and advances the current position within this stream by the number of bytes written.

Namespace: Serilog.Sinks.AmazonS3
**Syntax**

**C#**

```csharp
public void Write(
    byte[] buffer,
    int offset,
    int count
)
```

**VB**

```vbnet
Public Sub Write (
    buffer As Byte(),
    offset As Integer,
    count As Integer
)
```

**C++**

```cpp
public:
void Write(
    array<unsigned char^>^ buffer,
    int^ offset,
    int^ count
)
```

### Parameters

**buffer**

Type: array<Byte>[]()[[]]
An array of bytes. This method copies count bytes from buffer to the current stream.

**offset**

Type: Int32
The zero-based byte offset in buffer at which to begin copying bytes to the current stream.

**count**

Type: Int32
The number of bytes to be written to the current stream.
See Also

WriteCountingStream Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
WriteCountingStream Properties

The WriteCountingStream type exposes the following members.
## Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CanRead</strong></td>
<td>When overridden in a derived class, gets a value indicating whether the current stream supports reading.</td>
</tr>
<tr>
<td><strong>CanSeek</strong></td>
<td>When overridden in a derived class, gets a value indicating whether the current stream supports seeking.</td>
</tr>
<tr>
<td><strong>CanWrite</strong></td>
<td>When overridden in a derived class, gets a value indicating whether the current stream supports writing.</td>
</tr>
<tr>
<td><strong>CountedLength</strong></td>
<td>Gets the length of the counted value.</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>When overridden in a derived class, gets the length in bytes of the stream.</td>
</tr>
<tr>
<td><strong>Position</strong></td>
<td>When overridden in a derived class, gets or sets the position within the current stream.</td>
</tr>
</tbody>
</table>
See Also

WriteCountingStream Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
WriteCountingStream..::..CanRead Property

When overridden in a derived class, gets a value indicating whether the current stream supports reading.

Namespace: Serilog.Sinks.AmazonS3
Syntax

C#
VB
C++

public bool CanRead { get; }
Public ReadOnly Property CanRead As Boolean
Get

public:
property bool^ CanRead {
    bool^ get ();
}
See Also

WriteCountingStream Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
WriteCountingStream..::..CanSeek Property

When overridden in a derived class, gets a value indicating whether the current stream supports seeking.

Namespace: Serilog.Sinks.AmazonS3
Syntax

C#

```csharp
public bool CanSeek { get; }
```

VB

```vbnet
Public ReadOnly Property CanSeek As Boolean
Get
```

C++

```cpp
public:
    property bool^ CanSeek {
        bool^ get ();
    }
```
See Also

- WriteCountingStream Class
- Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
WriteCountingStream..::..CanWrite Property

When overridden in a derived class, gets a value indicating whether the current stream supports writing.

Namespace:  Serilog.Sinks.AmazonS3
Syntax

C#

```csharp
public bool CanWrite { get; }
```

VB

```vbnet
Public ReadOnly Property CanWrite As Boolean
    Get
        Public: property bool^ CanWrite {
            bool^ get ();
        }
    End Get
```

C++
See Also

WriteCountingStream Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
WriteCountingStream..::..CountedLength

Property

Gets the length of the counted value.

Namespace: Serilog.Sinks.AmazonS3
**Syntax**

C#  
VB  
C++

```csharp
public long CountedLength { get; set; }

public Property CountedLength As Long
    Get
    Set

public:
    property long^ CountedLength {
        long^ get();
        void set (long^ value);
    }
```

**Field Value**

The length of the counted value.
See Also

WriteCountingStream Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
WriteCountingStream..::.Length Property

When overridden in a derived class, gets the length in bytes of the stream.

**Namespace:** [Serilog.Sinks.AmazonS3](http://Serilog.Sinks.AmazonS3)

**Assembly:** Serilog.Sinks.AmazonS3 (in Serilog.Sinks.AmazonS3.dll)
Syntax

C#

public long Length { get; }

VB

Public ReadOnly Property Length As Long
    Get
        public: long long^ Length {
            long long^ get ();
        }
    }
See Also

WriteCountingStream Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
WriteCountingStream..::..Position Property

When overridden in a derived class, gets or sets the position within the current stream.

Namespace:  Serilog.Sinks.AmazonS3
Syntax

C#

```csharp
public long Position { get; set; }
```

VB

```vbnet
Public Property Position As Long
    Get
    Set
```

C++

```cpp
public:
    property long Position { long get ();
                             void set (long value);
    }
```
## Exceptions

<table>
<thead>
<tr>
<th>Exception</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>[NotSupportedException]</td>
<td></td>
</tr>
</tbody>
</table>
See Also

WriteCountingStream Class
Serilog.Sinks.AmazonS3 Namespace

Created with GhostDoc Community Edition
Serilog.Sinks.AmazonS3
Serilog.Sinks.AmazonS3.Tests
Namespace
### Classes

<table>
<thead>
<tr>
<th>Class</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>✨ AmazonS3BasicTests</td>
<td>This class is used for some basic test regarding the Amazon S3 sink.</td>
</tr>
<tr>
<td>✨ AmazonS3BasicTestsPrivate</td>
<td>This class is used for some basic test regarding the Amazon S3 sink.</td>
</tr>
</tbody>
</table>

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Serilog.Sinks.AmazonS3
AmazonS3BasicTests Class

This class is used for some basic test regarding the Amazon S3 sink.

Namespace: Serilog.Sinks.AmazonS3.Tests
Syntax

**C#**

```csharp
public class AmazonS3BasicTests
```

**VB**

```vbnet
Public Class AmazonS3BasicTests
```

**C++**

```c++
public ref class AmazonS3BasicTests
```
Inheritance Hierarchy

Object
Serilog.Sinks.AmazonS3.Tests.....AmazonS3BasicTests
See Also

AmazonS3BasicTests Members
Serilog.Sinks.AmazonS3.Tests Namespace

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AmazonS3BasicTests Members

The AmazonS3BasicTests type exposes the following members.
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
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<tr>
<td>BasicFileUploadTest</td>
<td>This method is used to test a basic file upload to Amazon S3.</td>
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See Also

AmazonS3BasicTests Class
Serilog.Sinks.AmazonS3.Tests Namespace

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Serilog.Sinks.AmazonS3
AmazonS3BasicTests Methods

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See Also

AmazonS3BasicTests Class
Serilog.Sinks.AmazonS3.Tests Namespace

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Serilog.Sinks.AmazonS3
AmazonS3BasicTests..::..BasicFileUpload

Method

This method is used to test a basic file upload to Amazon S3.

Namespace: Serilog.Sinks.AmazonS3.Tests
Syntax

C#
VB
C++

public void BasicFileUploadTest()

Public Sub BasicFileUploadTest

public:
void BasicFileUploadTest()
See Also

AmazonS3BasicTests Class
Serilog.Sinks.AmazonS3.Tests Namespace

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Serilog.Sinks.AmazonS3
AmazonS3BasicTestsPrivate Class

This class is used for some basic test regarding the Amazon S3 sink.

**Namespace:** Serilog.Sinks.AmazonS3.Tests  
Syntax

C#
VB
C++

public class AmazonS3BasicTestsPrivate

Public Class AmazonS3BasicTestsPrivate

public ref class AmazonS3BasicTestsPrivate
Inheritance Hierarchy

Object
Serilog.Sinks.AmazonS3.Tests...AmazonS3BasicTestsPrivate
See Also

AmazonS3BasicTestsPrivate Members
Serilog.Sinks.AmazonS3.Tests Namespace

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Serilog.Sinks.AmazonS3
AmazonS3BasicTestsPrivate Members

The AmazonS3BasicTestsPrivate type exposes the following members.
## Methods

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See Also

AmazonS3BasicTestsPrivate Class
Serilog.Sinks.AmazonS3.Tests Namespace

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AmazonS3BasicTestsPrivate Methods

The AmazonS3BasicTestsPrivate type exposes the following members.
## Methods

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See Also

AmazonS3BasicTestsPrivate Class
Serilog.Sinks.AmazonS3.Tests Namespace

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Serilog.Sinks.AmazonS3
AmazonS3BasicTestsPrivate..::..Basic] Method

This method is used to test a basic file upload to Amazon S3.

Namespace: Serilog.Sinks.AmazonS3 Tests
Syntax

C#
VB
C++

public void BasicFileUploadTest()

Public Sub BasicFileUploadTest

public:
void BasicFileUploadTest()
See Also

AmazonS3BasicTestsPrivate Class
Serilog.Sinks.AmazonS3.Tests Namespace

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