

OpenPop.NET POP3 Library Documentation

OpenPop.Common.Logging Namespace

Holds interfaces and classes used when the OpenPop library needs to log messages.

[Namespace Hierarchy](#)

Classes

Class	Description
DefaultLogger	This is the log that all logging will go through.
DiagnosticsLogger	This logging object writes application error and debug output using the Trace facilities.
FileLogger	This logging object writes application error and debug output to a text file.

Interfaces

Interface	Description
ILog	Defines a logger for managing system logging output

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OpenPop.NET POP3 Library Documentation

DefaultLogger Class

This is the log that all logging will go through.

For a list of all members of this type, see [DefaultLogger Members](#).

[System.Object](#) **DefaultLogger**

```
public static class DefaultLogger
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Requirements

Namespace: [OpenPop.Common.Logging](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[DefaultLogger Members](#) | [OpenPop.Common.Logging Namespace](#)

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DefaultLogger Members

[DefaultLogger overview](#)

Public Static Properties



[Log](#)

This is the logger used by all logging methods in the assembly. You can override this if you want, to move logging to one of your own logging implementations.

By default a [DiagnosticsLogger](#) is used.

Public Static Methods



[SetLog](#)

Changes the default logging to log to a new logger

See Also

[DefaultLogger Class | OpenPop.Common.Logging Namespace](#)

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DefaultLogger Properties

The properties of the **DefaultLogger** class are listed below. For a complete list of **DefaultLogger** class members, see the [DefaultLogger Members](#) topic.

Public Static Properties



[Log](#)

This is the logger used by all logging methods in the assembly. You can override this if you want, to move logging to one of your own logging implementations. By default a [DiagnosticsLogger](#) is used.

See Also

[DefaultLogger Class](#) | [OpenPop.Common.Logging Namespace](#)

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DefaultLogger.Log Property

This is the logger used by all logging methods in the assembly. You can override this if you want, to move logging to one of your own logging implementations.

By default a [DiagnosticsLogger](#) is used.

```
public static ILog Log { public get; private
```

See Also

[DefaultLogger Class | OpenPop.Common.Logging Namespace](#)

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OpenPop.NET POP3 Library Documentation

DefaultLogger Methods

The methods of the **DefaultLogger** class are listed below. For a complete list of **DefaultLogger** class members, see the [DefaultLogger Members](#) topic.

Public Static Methods



[SetLog](#)

Changes the default logging to log to a new logger

See Also

[DefaultLogger Class](#) | [OpenPop.Common.Logging Namespace](#)

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DefaultLogger.SetLog Method

Changes the default logging to log to a new logger

```
public static void SetLog(  
    ILog newLogger  
) ;
```

Parameters

newLogger

The new logger to use to send log messages to

Exceptions

Exception Type	Condition
ArgumentNullException	Never set this to a null reference. Instead you should implement a NullLogger which just does nothing.

See Also

[DefaultLogger Class | OpenPop.Common.Logging Namespace](#)

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DiagnosticsLogger Class

This logging object writes application error and debug output using the [Trace](#) facilities.

For a list of all members of this type, see [DiagnosticsLogger Members](#).

[System.Object](#) **DiagnosticsLogger**

```
public class DiagnosticsLogger : ILog
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Requirements

Namespace: [OpenPop.Common.Logging](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[DiagnosticsLogger Members](#) | [OpenPop.Common.Logging Namespace](#)

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DiagnosticsLogger Members

[DiagnosticsLogger overview](#)

Public Instance Constructors

 DiagnosticsLogger Constructor	Initializes a new instance of the DiagnosticsLogger class.
---------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------

Public Instance Methods

 LogDebug	Logs a debug message to the system Trace Facility
 .LogError	Logs an error message to the System Trace facility

See Also

[DiagnosticsLogger Class](#) | [OpenPop.Common.Logging Namespace](#)

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DiagnosticsLogger Constructor

Initializes a new instance of the [DiagnosticsLogger](#) class.

```
DiagnosticsLogger\(\);
```

See Also

[DiagnosticsLogger Class](#) | [OpenPop.Common.Logging Namespace](#)

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DiagnosticsLogger Methods

The methods of the **DiagnosticsLogger** class are listed below. For a complete list of **DiagnosticsLogger** class members, see the [DiagnosticsLogger Members](#) topic.

Public Instance Methods

◆ LogDebug	Logs a debug message to the system Trace Facility
◆ .LogError	Logs an error message to the System Trace facility

See Also

[DiagnosticsLogger Class](#) | [OpenPop.Common.Logging Namespace](#)

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DiagnosticsLogger.LogDebug Method

Logs a debug message to the system Trace Facility

```
public void LogDebug(  
    string message  
);
```

Parameters

message

This is the debug message to log

Implements

[ILog.LogDebug](#)

See Also

[DiagnosticsLogger Class | OpenPop.Common.Logging Namespace](#)

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DiagnosticsLogger.LogError Method

Logs an error message to the System Trace facility

```
public void LogError(  
    string message  
);
```

Parameters

message

This is the error message to log

Implements

[ILog.LogError](#)

See Also

[DiagnosticsLogger Class | OpenPop.Common.Logging Namespace](#)

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FileLogger Class

This logging object writes application error and debug output to a text file.

For a list of all members of this type, see [FileLogger Members](#).

[System.Object](#) **FileLogger**

```
public class FileLogger : ILog
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Requirements

Namespace: [OpenPop.Common.Logging](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[FileLogger Members](#) | [OpenPop.Common.Logging Namespace](#)

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FileLogger Members

[FileLogger overview](#)

Public Static Properties

  Enabled	Turns the logging on and off.
  LogFile	The file to which log messages will be written
  Verbose	Enables or disables the output of Debug level log messages

Public Instance Constructors

 FileLogger Constructor	Initializes a new instance of the FileLogger class.
--------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------

Public Instance Methods

 LogDebug	Logs a debug message to the logs
 .LogError	Logs an error message to the logs

See Also

[FileLogger Class](#) | [OpenPop.Common.Logging Namespace](#)

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FileLogger Constructor

Initializes a new instance of the [FileLogger](#) class.

```
FileLogger\(\);
```

See Also

[FileLogger Class | OpenPop.Common.Logging Namespace](#)

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FileLogger Properties

The properties of the **FileLogger** class are listed below. For a complete list of **FileLogger** class members, see the [FileLogger Members](#) topic.

Public Static Properties

 S Enabled	Turns the logging on and off.
 S LogFile	The file to which log messages will be written
 S Verbose	Enables or disables the output of Debug level log messages

See Also

[FileLogger Class](#) | [OpenPop.Common.Logging Namespace](#)

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FileLogger.Enabled Property

Turns the logging on and off.

```
public static bool Enabled { public get; public set; }
```

See Also

[FileLogger Class | OpenPop.Common.Logging Namespace](#)

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FileLogger.LogFile Property

The file to which log messages will be written

```
public static FileInfo LogFile { public get;
```

Remarks

This property defaults to OpenPOP.log.

See Also

[FileLogger Class](#) | [OpenPop.Common.Logging Namespace](#)

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FileLogger.Verbose Property

Enables or disables the output of Debug level log messages

```
public static bool Verbose { public get; public set; }
```

See Also

[FileLogger Class](#) | [OpenPop.Common.Logging Namespace](#)

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FileLogger Methods

The methods of the **FileLogger** class are listed below. For a complete list of **FileLogger** class members, see the [FileLogger Members](#) topic.

Public Instance Methods

◆ LogDebug	Logs a debug message to the logs
◆ .LogError	Logs an error message to the logs

See Also

[FileLogger Class](#) | [OpenPop.Common.Logging Namespace](#)

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OpenPop.NET POP3 Library Documentation

FileLogger.LogDebug Method

Logs a debug message to the logs

```
public void LogDebug(  
    string message  
);
```

Parameters

message

This is the debug message to log

Implements

[ILog.LogDebug](#)

See Also

[FileLogger Class](#) | [OpenPop.Common.Logging Namespace](#)

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OpenPop.NET POP3 Library Documentation

FileLogger.LogError Method

Logs an error message to the logs

```
public void LogError(  
    string message  
);
```

Parameters

message

This is the error message to log

Implements

[ILog.LogError](#)

See Also

[FileLogger Class](#) | [OpenPop.Common.Logging Namespace](#)

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ILog Interface

Defines a logger for managing system logging output

For a list of all members of this type, see [ILog Members](#).

```
public interface ILog
```

Types that implement ILog

Type	Description
DiagnosticsLogger	This logging object writes application error and debug output using the Trace facilities.
FileLogger	This logging object writes application error and debug output to a text file.

Requirements

Namespace: [OpenPop.Common.Logging](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[ILog Members](#) | [OpenPop.Common.Logging Namespace](#)

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OpenPop.NET POP3 Library Documentation

ILog Members

[ILog overview](#)

Public Instance Methods

◆ LogDebug	Logs a debug message to the logs
◆ .LogError	Logs an error message to the logs

See Also

[ILog Interface](#) | [OpenPop.Common.Logging Namespace](#)

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OpenPop.NET POP3 Library Documentation

ILog Methods

The methods of the **ILog** interface are listed below. For a complete list of **ILog** interface members, see the [ILog Members](#) topic.

Public Instance Methods

◆ LogDebug	Logs a debug message to the logs
◆ .LogError	Logs an error message to the logs

See Also

[ILog Interface](#) | [OpenPop.Common.Logging Namespace](#)

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ILog.LogDebug Method

Logs a debug message to the logs

```
void LogDebug(  
    string message  
) ;
```

Parameters

message

This is the debug message to log

See Also

[ILog Interface](#) | [OpenPop.Common.Logging Namespace](#)

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ILog.LogError Method

Logs an error message to the logs

```
void LogError(  
    string message  
) ;
```

Parameters

message

This is the error message to log

See Also

[ILog Interface](#) | [OpenPop.Common.Logging Namespace](#)

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OpenPop.NET POP3 Library Documentation

OpenPop.Mime Namespace

Contains classes to hold and decode Mime emails.

[Namespace Hierarchy](#)

Classes

Class	Description
Message	<p>This is the root of the email tree structure. MessagePart for a description about the structure.</p> <p>A Message (this class) contains the headers of an email message such as:</p> <ul style="list-style-type: none">- To- From- Subject- Content-Type- Message-ID <p>which are located in the Headers property.</p> <p>Use the MessagePart property to find the actual content of the email message.</p>
MessagePart	<p>A MessagePart is a part of an email message used to describe the whole email parse tree.</p> <p>Email messages are tree structures: Email messages may contain large tree structures, and the MessagePart are the nodes of</p>

the this structure.

A MessagePart may either be a leaf in the structure or a internal node with links to other MessageParts.

The root of the message tree is the [Message](#) class.

Leafs:

If a MessagePart is a leaf, the part is not a [MultiPart](#) message. Leafs are where the contents of an email are placed.

This includes, but is not limited to: attachments, text or images referenced from HTML.

The content of an attachment can be fetched by using the [Body](#) property.

If you want to have the text version of a MessagePart, use the [GetBodyAsText](#) method which will convert the **Body** into a string using the encoding the message was sent with.

Internal nodes:

If a MessagePart is an internal node in the email tree structure, then the part is a **MultiPart** message.

The [MessageParts](#) property will then contain links to the parts it contain.

The **Body** property of the MessagePart will not be set.

See the example for a parsing

example.
This class cannot be
instantiated from outside the
library.

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OpenPop.NET POP3 Library Documentation

OpenPop.Mime.Decode Namespace

Contains utility classes to decode various encoded values.

[Namespace Hierarchy](#)

Classes

Class	Description
EncodingFinder	<p>Utility class used by OpenPop for mapping from a characterSet to an Encoding.</p> <p>The functionality of the class can be altered by adding mappings using AddMapping and by adding a FallbackDecoder.</p> <p>Given a characterSet, it will try to find the Encoding as follows:</p> <ol style="list-style-type: none">1. If a mapping for the characterSet was added, use the specified Encoding from there. Mappings can be added using AddMapping.2. Try to parse the characterSet and look it up using GetEncoding for codepages or GetEncoding for named encodings.3. If an encoding is

not found yet, use the **FallbackDecoder** if defined. The **FallbackDecoder** is user defined.

Delegates

Delegate	Description
EncodingFinder.FallbackDecoderDelegate	Delegate that is used when the EncodingFinder is unable to find an encoding by using the EncodingMap or general code. This is used as a last resort and can be used for setting a default encoding or for finding an encoding on runtime for some <i>characterSet</i> .

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OpenPop.NET POP3 Library Documentation

EncodingFinder Class

Utility class used by OpenPop for mapping from a characterSet to an [Encoding](#).

The functionality of the class can be altered by adding mappings using [AddMapping](#) and by adding a [FallbackDecoder](#).

Given a characterSet, it will try to find the Encoding as follows:

1. If a mapping for the characterSet was added, use the specified Encoding from there. Mappings can be added using [AddMapping](#).
2. Try to parse the characterSet and look it up using [GetEncoding](#) for codepages or [GetEncoding](#) for named encodings.
3. If an encoding is not found yet, use the **FallbackDecoder** if defined. The **FallbackDecoder** is user defined.

For a list of all members of this type, see [EncodingFinder Members](#).

[System.Object](#)
EncodingFinder

```
public static class EncodingFinder
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Requirements

Namespace: [OpenPop.Mime.Decode](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[EncodingFinder Members](#) | [OpenPop.Mime.Decode Namespace](#)

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EncodingFinder Members

[EncodingFinder overview](#)

Public Static Methods

 [AddMapping](#)

Puts a mapping from *characterSet* to *encoding* into the [EncodingFinder](#)'s internal mapping Dictionary.

Private Static Properties

 [FallbackDecoder](#)

Last resort decoder. .

See Also

[EncodingFinder Class](#) | [OpenPop.Mime.Decode Namespace](#)

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OpenPop.NET POP3 Library Documentation

EncodingFinder Properties

The properties of the **EncodingFinder** class are listed below. For a complete list of **EncodingFinder** class members, see the [EncodingFinder Members](#) topic.

Private Static Properties



[FallbackDecoder](#)

Last resort decoder. .

See Also

[EncodingFinder Class](#) | [OpenPop.Mime.Decode Namespace](#)

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EncodingFinder.FallbackDecoder Property

Last resort decoder. .

```
private static FallbackDecoderDelegate FallbackDecoder { get; set; }
```

See Also

[EncodingFinder Class](#) | [OpenPop.Mime.Decode Namespace](#) |
[EncodingFinder.FallbackDecoderDelegate](#)

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OpenPop.NET POP3 Library Documentation

EncodingFinder Methods

The methods of the **EncodingFinder** class are listed below. For a complete list of **EncodingFinder** class members, see the [EncodingFinder Members](#) topic.

Public Static Methods

[AddMapping](#)

Puts a mapping from *characterSet* to *encoding* into the [EncodingFinder](#)'s internal mapping Dictionary.

See Also

[EncodingFinder Class](#) | [OpenPop.Mime.Decode Namespace](#)

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EncodingFinder.AddMapping Method

Puts a mapping from *characterSet* to *encoding* into the [EncodingFinder](#)'s internal mapping Dictionary.

```
public static void AddMapping(  
    string characterSet,  
    Encoding encoding  
) ;
```

Parameters

characterSet

The string that maps to the *encoding*

encoding

The [Encoding](#) that should be mapped from *characterSet*

Exceptions

Exception Type	Condition
ArgumentNullException	If <i>characterSet</i> is a null reference
ArgumentNullException	If <i>encoding</i> is a null reference

See Also

[EncodingFinder Class](#) | [OpenPop.Mime.Decode Namespace](#)

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EncodingFinder.FallbackDecoderDelegate Delegate

Delegate that is used when the EncodingFinder is unable to find an encoding by using the **EncodingMap** or general code.

This is used as a last resort and can be used for setting a default encoding or for finding an encoding on runtime for some *characterSet*.

```
public delegate Encoding FallbackDecoderDelegate(  
    string characterSet  
) ;
```

Parameters

characterSet

The character set to find an encoding for.

Return Value

An encoding for the *characterSet* or a null reference if none could be found.

Requirements

Namespace: [OpenPop.Mime.Decode](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[OpenPop.Mime.Decode Namespace](#)

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OpenPop.NET POP3 Library Documentation

OpenPop.Mime.Header Namespace

Contains classes for Mime email headers.

[Namespace Hierarchy](#)

Classes

Class	Description
MessageHeader	<p>Class that holds all headers for a message Headers which are unknown the the parser will be held in the UnknownHeaders collection.</p> <p>This class cannot be instantiated from outside the library.</p>
Received	<p>Class that hold information about one "Received:" header line. Visit these RFCs for more information: RFC 5321 section 4.4 RFC 4021 section 3.6.7 RFC 2822 section 3.6.7 RFC 2821 section 4.4</p>
RfcMailAddress	<p>This class is used for RFC compliant email addresses.</p> <p>The class cannot be instantiated from outside the library.</p>

Enumerations

Enumeration	Description
ContentTransferEncoding	<p>Enum that describes the ContentTransferEncoding header field</p>

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[Public Domain Dedication](#)

OpenPop.NET POP3 Library Documentation

ContentTransferEncoding Enumeration

[Enum](#) that describes the ContentTransferEncoding header field

```
public enum ContentTransferEncoding
```

Remarks

See [RFC 2045 section 6](#) for more details

Members

Member Name	Description
SevenBit	7 bit Encoding
EightBit	8 bit Encoding
QuotedPrintable	Quoted Printable Encoding
Base64	Base64 Encoding
Binary	Binary Encoding

Requirements

Namespace: [OpenPop.Mime.Header](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader Class

Class that holds all headers for a message
Headers which are unknown the the parser will be held in the [UnknownHeaders](#) collection.

This class cannot be instantiated from outside the library.

For a list of all members of this type, see [MessageHeader Members](#)

[System.Object](#)
MessageHeader

```
public sealed class MessageHeader
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Remarks

See [RFC 4021](#) for a large list of headers.

Requirements

Namespace: [OpenPop.Mime.Header](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[MessageHeader Members](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader Members

[MessageHeader overview](#)

Public Instance Properties

 Bcc	Blind Carbon Copy. This specifies who got a copy of the message, but others cannot see who these persons are. The list will be empty if no Received Bcc was present in the message
 Cc	Carbon Copy. This specifies who got a copy of the message. The list will be empty if no Cc header was present in the message
 ContentDescription	A human readable description of the body a null reference if no Content-Description header was present in the message.
 ContentDisposition	Used to describe if a MessagePart is to be displayed or to be thought of as an attachment. Also contains information about filename if such was sent. a null reference if no Content-Disposition header field was present in the message
 ContentId	ID of the content part (like an

	<p>attached image). Used with MultiPart messages.</p> <p>a null reference if no Content-ID header field was present in the message.</p>
 ContentTransferEncoding	<p>This header describes the Content encoding during transfer.</p> <p>If no Content-Transfer-Encoding header was present in the message, it is set to the default of SevenBit in accordance to the RFC.</p>
 ContentType	<p>The Content-Type header field.</p> <p>If not set, the ContentType is created by the default "text/plain; charset=us-ascii" which is defined in RFC 2045 section 5.2.</p> <p>If set, the default is overridden.</p>
 Date	<p>The Date when the email was sent.</p> <p>This is the raw value. DateSent for a parsed up DateTime value of this field.</p> <p>DateTime.MinValue if no Date header field was present in the message or if the date could not be parsed.</p>
 DateSent	<p>The Date when the email was sent.</p> <p>This is the parsed equivalent of Date.</p>

	<p>Notice that the TimeZone of the DateTime object is in UTC and has NOT been converted to local TimeZone.</p>
 DispositionNotificationTo	<p>A List of emails to people who wishes to be notified when some event happens.</p> <p>These events could be email:</p> <ul style="list-style-type: none"> • deletion • printing • received • ... <p>The list will be empty if no Disposition-Notification-To header was present in the message</p>
 From	<p>Specifies who sent the email</p> <p>a null reference if no From header field was present in the message</p>
 Importance	<p>Importance of this email.</p> <p>The importance level is set to normal, if no Importance header field was mentioned or it contained unknown information. This is the expected behavior according to the RFC.</p>
 InReplyTo	<p>The message identifier(s) of the original message(s) to which the current message is a reply.</p> <p>The list will be empty if no In-Reply-To header was present in</p>

	the message
 Keywords	Message keywords The list will be empty if no Keywords header was present in the message
 MessageId	An ID of the message that is SUPPOSED to be in every message according to the RFC. The ID is unique. a null reference if no Message-ID header field was present in the message
 MimeVersion	The Mime Version. This field will almost always show 1.0 a null reference if no Mime-Version header field was present in the message
 Received	This is the Received headers. This tells the path that the email went. The list will be empty if no Received header was present in the message
 References	The message identifier(s) of other message(s) to which the current message is related to. The list will be empty if no References header was present in the message
 ReplyTo	Specifies who a reply to the

	<p>message should be sent to</p> <p>a null reference if no Reply-To header field was present in the message</p>
 ReturnPath	<p>A single RfcMailAddress with no username inside.</p> <p>This is a trace header field, that should be in all messages.</p> <p>Replies should be sent to this address.</p> <p>a null reference if no Return-Path header field was present in the message</p>
 Sender	<p>This is the sender of the email address.</p> <p>a null reference if no Sender header field was present in the message</p>
 Subject	<p>The subject line of the message in decoded, one line state.</p> <p>This should be in all messages.</p> <p>a null reference if no Subject header field was present in the message</p>
 To	<p>Specifies who this mail was for</p> <p>The list will be empty if no To header was present in the message</p>
 UnknownHeaders	All headers which were not recognized and explicitly dealt with.

This should mostly be custom headers, which are marked as X-[name].

This list will be empty if all headers were recognized and parsed.

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader Properties

The properties of the **MessageHeader** class are listed below. For a complete list of **MessageHeader** class members, see the [MessageHeader Members](#) topic.

Public Instance Properties

 Bcc	Blind Carbon Copy. This specifies who got a copy of the message, but others cannot see who these persons are. The list will be empty if no Received Bcc was present in the message
 Cc	Carbon Copy. This specifies who got a copy of the message. The list will be empty if no Cc header was present in the message
 ContentDescription	A human readable description of the body a null reference if no Content-Description header was present in the message.
 ContentDisposition	Used to describe if a MessagePart is to be displayed or to be thought of as an attachment. Also contains information about filename if such was sent. a null reference if no Content-Disposition header field was present in the message

 ContentId	<p>ID of the content part (like an attached image). Used with MultiPart messages.</p> <p>a null reference if no Content-ID header field was present in the message.</p>
 ContentTransferEncoding	<p>This header describes the Content encoding during transfer.</p> <p>If no Content-Transfer-Encoding header was present in the message, it is set to the default of SevenBit in accordance to the RFC.</p>
 ContentType	<p>The Content-Type header field.</p> <p>If not set, the ContentType is created by the default "text/plain; charset=us-ascii" which is defined in RFC 2045 section 5.2.</p> <p>If set, the default is overridden.</p>
 Date	<p>The Date when the email was sent.</p> <p>This is the raw value. DateSent for a parsed up DateTime value of this field.</p> <p>DateTime.MinValue if no Date header field was present in the message or if the date could not be parsed.</p>
 DateSent	<p>The Date when the email was sent.</p> <p>This is the parsed equivalent of</p>

	<p><u>Date</u>.</p> <p>Notice that the TimeZone of the DateTime object is in UTC and has NOT been converted to local TimeZone.</p>
 DispositionNotificationTo	<p>A List of emails to people who wishes to be notified when some event happens.</p> <p>These events could be email:</p> <ul style="list-style-type: none"> • deletion • printing • received • ... <p>The list will be empty if no Disposition-Notification-To header was present in the message</p>
 From	<p>Specifies who sent the email</p> <p>a null reference if no From header field was present in the message</p>
 Importance	<p>Importance of this email.</p> <p>The importance level is set to normal, if no Importance header field was mentioned or it contained unknown information. This is the expected behavior according to the RFC.</p>
 InReplyTo	<p>The message identifier(s) of the original message(s) to which the current message is a reply.</p> <p>The list will be empty if no In-</p>

	Reply-To header was present in the message
 Keywords	Message keywords The list will be empty if no Keywords header was present in the message
 MessageId	An ID of the message that is SUPPOSED to be in every message according to the RFC. The ID is unique. a null reference if no Message-ID header field was present in the message
 MimeType	The Mime Version. This field will almost always show 1.0 a null reference if no Mime-Version header field was present in the message
 Received	This is the Received headers. This tells the path that the email went. The list will be empty if no Received header was present in the message
 References	The message identifier(s) of other message(s) to which the current message is related to. The list will be empty if no References header was present in the message

 ReplyTo	<p>Specifies who a reply to the message should be sent to</p> <p>a null reference if no Reply-To header field was present in the message</p>
 ReturnPath	<p>A single RfcMailAddress with no username inside.</p> <p>This is a trace header field, that should be in all messages.</p> <p>Replies should be sent to this address.</p> <p>a null reference if no Return-Path header field was present in the message</p>
 Sender	<p>This is the sender of the email address.</p> <p>a null reference if no Sender header field was present in the message</p>
 Subject	<p>The subject line of the message in decoded, one line state.</p> <p>This should be in all messages.</p> <p>a null reference if no Subject header field was present in the message</p>
 To	<p>Specifies who this mail was for</p> <p>The list will be empty if no To header was present in the message</p>
 UnknownHeaders	All headers which were not recognized and explicitly dealt

with.

This should mostly be custom headers, which are marked as X-[name].

This list will be empty if all headers were recognized and parsed.

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.Bcc Property

Blind Carbon Copy. This specifies who got a copy of the message, but others cannot see who these persons are.

The list will be empty if no Received Bcc was present in the message

```
public List<RfcMailAddress> Bcc { public get
```

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.Cc Property

Carbon Copy. This specifies who got a copy of the message.

The list will be empty if no Cc header was present in the message

```
public List<RfcMailAddress> Cc { public get;
```

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.ContentDescription Property

A human readable description of the body

a null reference if no Content-Description header was present in the message.

```
public string ContentDescription { public get
```

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.ContentDisposition Property

Used to describe if a [MessagePart](#) is to be displayed or to be thought of as an attachment.

Also contains information about filename if such was sent.

a null reference if no Content-Disposition header field was present in the message

```
public ContentDisposition ContentDisposition
```

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.ContentId Property

ID of the content part (like an attached image). Used with MultiPart messages.

a null reference if no Content-ID header field was present in the message.

```
public string ContentId { public get; private set; }
```

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.ContentTransferEncoding Property

This header describes the Content encoding during transfer.

If no Content-Transfer-Encoding header was present in the message, it is set to the default of [SevenBit](#) in accordance to the RFC.

```
public ContentTransferEncoding ContentTransferEncoding { get; set; }
```

Remarks

See [RFC 2045 section 6](#) for details

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.ContentType Property

The Content-Type header field.

If not set, the ContentType is created by the default "text/plain; charset=us-ascii" which is defined in [RFC 2045 section 5.2](#).
If set, the default is overridden.

```
public ContentType ContentType { public get;
```

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

[Send comments on this topic.](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.Date Property

The Date when the email was sent.

This is the raw value. [DateSent](#) for a parsed up [DateTime](#) value of this field.

DateTime.MinValue if no Date header field was present in the message or if the date could not be parsed.

```
public string Date { public get; private set; }
```

Remarks

See [RFC 5322 section 3.6.1](#) for more details

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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MessageHeader.DateSent Property

The Date when the email was sent.

This is the parsed equivalent of [Date](#).

Notice that the [TimeZone](#) of the [DateTime](#) object is in UTC and has NOT been converted to local [TimeZone](#).

```
public DateTime DateSent { public get; private set; }
```

Remarks

See [RFC 5322 section 3.6.1](#) for more details

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeaderDispositionNotificationTo Property

A List of emails to people who wishes to be notified when some event happens.

These events could be email:

- deletion
- printing
- received
- ...

The list will be empty if no Disposition-Notification-To header was present in the message

```
public List<RfcEmailAddress> DispositionNotif:
```

Remarks

See [RFC 3798](#) for details

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.From Property

Specifies who sent the email

a null reference if no From header field was present in the message

```
public RfcMailAddress From { public get; private set; }
```

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.Importance Property

Importance of this email.

The importance level is set to normal, if no Importance header field was mentioned or it contained unknown information. This is the expected behavior according to the RFC.

```
public MailPriority Importance { public get;
```

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

[Send comments on this topic.](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.InReplyTo Property

The message identifier(s) of the original message(s) to which the current message is a reply.

The list will be empty if no In-Reply-To header was present in the message

```
public List<string> InReplyTo { public get; }
```

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.Keywords Property

Message keywords

The list will be empty if no Keywords header was present in the message

```
public List<string> Keywords { public get; private set; }
```

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.MessageId Property

An ID of the message that is SUPPOSED to be in every message according to the RFC.

The ID is unique.

a null reference if no Message-ID header field was present in the message

```
public string MessageId { public get; private set; }
```

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.MimeVersion Property

The Mime Version.

This field will almost always show 1.0

a null reference if no Mime-Version header field was present in the message

```
public string MimeVersion { public get; private set; }
```

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

[Send comments on this topic.](#)

[Public Domain Dedication](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.Received Property

This is the Received headers. This tells the path that the email went.

The list will be empty if no Received header was present in the message

```
public List<Received> Received { public get;
```

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

[Send comments on this topic.](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.References Property

The message identifier(s) of other message(s) to which the current message is related to.

The list will be empty if no References header was present in the message

```
public List<string> References { public get;
```

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.ReplyTo Property

Specifies who a reply to the message should be sent to
a null reference if no Reply-To header field was present in the
message

```
public RfcEmailAddress ReplyTo { public get; }
```

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.ReturnPath Property

A single [RfcMailAddress](#) with no username inside.
This is a trace header field, that should be in all messages.
Replies should be sent to this address.

a null reference if no Return-Path header field was present in the message

```
public RfcMailAddress ReturnPath { public get
```

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

[Send comments on this topic.](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.Sender Property

This is the sender of the email address.

a null reference if no Sender header field was present in the message

```
public RfcEmailAddress Sender { public get; private set; }
```

Remarks

The RFC states that this field can be used if a secretary is sending an email for someone she is working for. The email here will then be the secretary's email, and the Reply-To field would hold the address of the person she works for.

RFC states that if the Sender is the same as the From field, sender should not be included in the message.

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.Subject Property

The subject line of the message in decoded, one line state.
This should be in all messages.

a null reference if no Subject header field was present in the message

```
public string Subject { public get; private set; }
```

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.To Property

Specifies who this mail was for

The list will be empty if no To header was present in the message

```
public List<RfcMailAddress> To { public get;
```

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

[Send comments on this topic.](#)

[Public Domain Dedication](#)

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OpenPop.NET POP3 Library Documentation

MessageHeader.UnknownHeaders Property

All headers which were not recognized and explicitly dealt with. This should mostly be custom headers, which are marked as X-[name].

This list will be empty if all headers were recognized and parsed.

```
public NameValuePairCollection UnknownHeaders { }
```

Remarks

If you as a user, feels that a header in this collection should be parsed, feel free to notify the developers.

See Also

[MessageHeader Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

Received Class

Class that hold information about one "Received:" header line. Visit these RFCs for more information: [RFC 5321 section 4.4](#)[RFC 4021 section 3.6.7](#)[RFC 2822 section 3.6.7](#)[RFC 2821 section 4.4](#)

For a list of all members of this type, see [Received Members](#).

[System.Object](#) **Received**

```
public class Received
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Requirements

Namespace: [OpenPop.Mime.Header](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[Received Members](#) | [OpenPop.Mime.Header Namespace](#)

[Send comments on this topic.](#)

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OpenPop.NET POP3 Library Documentation

Received Members

[Received overview](#)

Public Instance Constructors

 Received Constructor	Parses a Received header value.
------------------------------------------------------------------------------------------------------------------------	---------------------------------

Public Instance Properties

 Date	The date of this received line. Is MinValue if not present in the received header line.
 Names	A dictionary that contains the names and values of the received header line. If the received header is invalid and contained one name multiple times, the first one is used and the rest is ignored.
 Raw	The raw input string that was parsed into this class.

See Also

[Received Class](#) | [OpenPop.Mime.Header Namespace](#)

[Send comments on this topic.](#)

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OpenPop.NET POP3 Library Documentation

Received Constructor

Parses a Received header value.

```
Received(  
    string headerValue  
) ;
```

Parameters

headerValue

The value for the header to be parsed

Exceptions

Exception Type	Condition
ArgumentNullException	If <i>headerValue</i> is a null reference

See Also

[Received Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

Received Properties

The properties of the **Received** class are listed below. For a complete list of **Received** class members, see the [Received Members](#) topic.

Public Instance Properties

 Date	The date of this received line. Is MinValue if not present in the received header line.
 Names	A dictionary that contains the names and values of the received header line. If the received header is invalid and contained one name multiple times, the first one is used and the rest is ignored.
 Raw	The raw input string that was parsed into this class.

See Also

[Received Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

Received.Date Property

The date of this received line. Is [MinValue](#) if not present in the received header line.

```
public DateTime Date { public get; private set; }
```

See Also

[Received Class](#) | [OpenPop.Mime.Header Namespace](#)

[Send comments on this topic.](#)

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OpenPop.NET POP3 Library Documentation

Received.Names Property

A dictionary that contains the names and values of the received header line. If the received header is invalid and contained one name multiple times, the first one is used and the rest is ignored.

```
public Dictionary<string,  
string> Names { public get; private set; }
```

Example

If the header lines looks like:

```
from sending.com (localMachine [127.0.0.1]) by test.
```

then the dictionary will contain two keys: "from" and "by" with the values "sending.com (localMachine [127.0.0.1])" and "test.net (Postfix)".

See Also

[Received Class](#) | [OpenPop.Mime.Header Namespace](#)

[Send comments on this topic.](#)

[Public Domain Dedication](#)

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OpenPop.NET POP3 Library Documentation

Received.Raw Property

The raw input string that was parsed into this class.

```
public string Raw { public get; private set; }
```

See Also

[Received Class](#) | [OpenPop.Mime.Header Namespace](#)

[Send comments on this topic.](#)

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OpenPop.NET POP3 Library Documentation

RfcMailAddress Class

This class is used for RFC compliant email addresses.

The class cannot be instantiated from outside the library.

For a list of all members of this type, see [RfcMailAddress Members](#).

[System.Object](#)

RfcMailAddress

```
public class RfcMailAddress
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Remarks

The does not cover all the possible formats for [RFC 5322 section 3.4](#) compliant email addresses. This class is used as an address wrapper to account for that deficiency.

Requirements

Namespace: [OpenPop.Mime.Header](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[RfcMailAddress Members](#) | [OpenPop.Mime.Header Namespace](#) | [MailAddress](#)

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OpenPop.NET POP3 Library Documentation

RfcMailAddress Members

[RfcMailAddress overview](#)

Public Instance Properties

 Address	The email address of this RfcMailAddress It is possibly string.Empty since RFC mail addresses does not require an email address specified.
 DisplayName	The display name of this RfcMailAddress It is possibly Empty since RFC mail addresses does not require a display name to be specified.
 HasValidMailAddress	Specifies if the object contains a valid MailAddress reference.
 MailAddress	The MailAddress associated with the RfcMailAddress .
 Raw	This is the Raw string used to describe the RfcMailAddress .

Public Instance Methods

 ToString	A string representation of the RfcMailAddress object
--------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------

See Also

[RfcMailAddress Class](#) | [OpenPop.Mime.Header Namespace](#) | [MailAddress](#)

[Send comments on this topic.](#)

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OpenPop.NET POP3 Library Documentation

RfcMailAddress Properties

The properties of the **RfcMailAddress** class are listed below. For a complete list of **RfcMailAddress** class members, see the [RfcMailAddress Members](#) topic.

Public Instance Properties

 Address	The email address of this RfcMailAddress It is possibly string.Empty since RFC mail addresses does not require an email address specified.
 DisplayName	The display name of this RfcMailAddress It is possibly Empty since RFC mail addresses does not require a display name to be specified.
 HasValidEmailAddress	Specifies if the object contains a valid MailAddress reference.
 MailAddress	The MailAddress associated with the RfcMailAddress .
 Raw	This is the Raw string used to describe the RfcMailAddress .

See Also

[RfcMailAddress Class](#) | [OpenPop.Mime.Header Namespace](#) | [MailAddress](#)

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OpenPop.NET POP3 Library Documentation

RfcMailAddress.Address Property

The email address of this [RfcMailAddress](#)

It is possibly string.Empty since RFC mail addresses does not require an email address specified.

```
public string Address { public get; private set; }
```

Example

Example header with email address:

To: [Test test@mail.com](#)

Address will be [test@mail.com](#)

Example header without email address:

To: [Test](#)

Address will be [Empty](#).

See Also

[RfcMailAddress Class](#) | [OpenPop.Mime.Header Namespace](#)

[Send comments on this topic.](#)

[Public Domain Dedication](#)

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OpenPop.NET POP3 Library Documentation

RfcMailAddress.DisplayName Property

The display name of this [RfcMailAddress](#)

It is possibly [Empty](#) since RFC mail addresses does not require a display name to be specified.

```
public string DisplayName { public get; private set; }
```

Example

Example header with display name:

To: Test test@mail.com

DisplayName will be Test Example header without display name:

To: test@test.com

DisplayName will be [Empty](#)

See Also

[RfcMailAddress Class](#) | [OpenPop.Mime.Header Namespace](#)

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RfcMailAddress.HasValidEmailAddress Property

Specifies if the object contains a valid [MailAddress](#) reference.

```
public bool HasValidEmailAddress { public get;
```

See Also

[RfcMailAddress Class](#) | [OpenPop.Mime.Header Namespace](#)

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RfcMailAddress.MailAddress Property

The **MailAddress** associated with the [RfcMailAddress](#).

```
public MailAddress MailAddress { public get;
```

Remarks

The value of this property can be in instances where the **MailAddress** cannot represent the address properly.

Use [HasValidMailAddress](#) property to see if this property is valid.

See Also

[RfcMailAddress Class](#) | [OpenPop.Mime.Header Namespace](#)

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RfcMailAddress.Raw Property

This is the Raw string used to describe the [RfcMailAddress](#).

```
public string Raw { public get; private set;
```

See Also

[RfcMailAddress Class](#) | [OpenPop.Mime.Header Namespace](#)

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RfcMailAddress Methods

The methods of the **RfcMailAddress** class are listed below. For a complete list of **RfcMailAddress** class members, see the [RfcMailAddress Members](#) topic.

Public Instance Methods

 ToString	A string representation of the RfcMailAddress object
------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------

See Also

[RfcMailAddress Class](#) | [OpenPop.Mime.Header Namespace](#) | [MailAddress](#)

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RfcMailAddress.ToString Method

A string representation of the [RfcMailAddress](#) object

```
public override string ToString();
```

Return Value

Returns the string representation for the object

See Also

[RfcMailAddress Class](#) | [OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

OpenPop.Mime.Traverse Namespace

Contains classes and interfaces to help traverse the Message hierarchy.

[Namespace Hierarchy](#)

Classes

Class	Description
AnswerMessageTraverser(TAnswer)	This is an abstract class which handles traversing of a Message tree structure. It runs through the message structure using a depth-first traversal.
MultipleMessagePartFinder	An abstract class that implements the MergeLeafAnswers method. The method simply returns the union of all answers from the leaves.

Interfaces

Interface	Description
IAnswerMessageTraverser(TAnswer)	This interface describes a MessageTraverser which is able to traverse a Message hierarchy and deliver answers.
IQuestionAnswerMessageTraverser(TQuestion,TAnswer)	This interface describes a MessageTraverser which is able to traverse a Message hierarchy and deliver answers.

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AnswerMessageTraverser(TAnswer) Class

This is an abstract class which handles traversing of a [Message](#) tree structure.

It runs through the message structure using a depth-first traversal.

For a list of all members of this type, see

[AnswerMessageTraverser\(TAnswer\) Members](#).

[System.Object](#)

AnswerMessageTraverser(TAnswer)

[MultipleMessagePartFinder](#)

```
public abstract class AnswerMessageTraverser
    : IAnswerMessageTraverser<TAnswer>
```

Generic template parameters

TAnswer

The answer you want from traversing the message tree structure

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Requirements

Namespace: [OpenPop.Mime.Traverse](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[AnswerMessageTraverser\(TAnswer\) Members](#) |

[OpenPop.Mime.Traverse Namespace](#)

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AnswerMessageTraverser(TAnswer) Members

[AnswerMessageTraverser\(TAnswer\) overview](#)

Public Instance Methods

◆ VisitMessage	Call this when you want an answer for a full message.
◆ VisitMessagePart	Call this method when you want to find an answer for a MessagePart

Protected Instance Constructors

◆ AnswerMessageTraverser(TAnswer) Constructor	Initializes a new instance of the AnswerMessageTraverser(TAnswer) class.
---------------------------------------------------------------	------------------------------------------------------------------------------------------

Protected Instance Methods

◆ CaseLeaf	For a concrete implementation an answer must be returned for a leaf MessagePart , which are MessageParts that are not MultiParts .
◆ MergeLeafAnswers	For a concrete implementation, when a MultiPart MessagePart has fetched it's answers from it's children, these answers needs to be merged. This is the responsibility of this method.

See Also

[AnswerMessageTraverser<TAnswer> Class](#) |
[OpenPop.Mime.Traverse Namespace](#)

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AnswerMessageTraverser(TAnswer) Constructor

Initializes a new instance of the [AnswerMessageTraverser\(TAnswer\)](#) class.

```
AnswerMessageTraverser<TAnswer>\(\);
```

See Also

[AnswerMessageTraverser<TAnswer> Class](#) |
[OpenPop.Mime.Traverse Namespace](#)

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AnswerMessageTraverser(TAnswer) Methods

The methods of the **AnswerMessageTraverser(TAnswer)** class are listed below. For a complete list of **AnswerMessageTraverser(TAnswer)** class members, see the [AnswerMessageTraverser\(TAnswer\) Members](#) topic.

Public Instance Methods

◆ VisitMessage	Call this when you want an answer for a full message.
◆ VisitMessagePart	Call this method when you want to find an answer for a MessagePart

Protected Instance Methods

◆ CaseLeaf	For a concrete implementation an answer must be returned for a leaf MessagePart , which are MessageParts that are not MultiParts .
◆ MergeLeafAnswers	For a concrete implementation, when a MultiPart MessagePart has fetched it's answers from it's children, these answers needs to be merged. This is the responsibility of this method.

See Also

[AnswerMessageTraverser<TAnswer> Class](#) |
[OpenPop.Mime.Traverse Namespace](#)

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OpenPop.NET POP3 Library Documentation

AnswerMessageTraverser(TAnswer).CaseLeaf Method

For a concrete implementation an answer must be returned for a leaf [MessagePart](#), which are MessageParts that are not [MultiParts](#).

```
protected abstract TAnswer AnswerMessageTraverser<TAnswer>.  
    CaseLeaf(MessagePart messagePart)  
);
```

Parameters

messagePart

The message part which is a leaf and thereby not a MultiPart

Return Value

An answer

See Also

[AnswerMessageTraverser<TAnswer> Class](#) |
[OpenPop.Mime.Traverse Namespace](#)

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AnswerMessageTraverser(TAnswer).MergeLeafAnswers Method

For a concrete implementation, when a MultiPart [MessagePart](#) has fetched it's answers from it's children, these answers needs to be merged. This is the responsibility of this method.

```
protected abstract TAnswer AnswerMessageTraverser<TAnswer> MergeLeafAnswers(List<TAnswer> leafAnswers);
```

Parameters

leafAnswers

The answer that the leafs gave

Return Value

A merged answer

See Also

[AnswerMessageTraverser<TAnswer> Class](#) |
[OpenPop.Mime.Traverse Namespace](#)

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OpenPop.NET POP3 Library Documentation

AnswerMessageTraverser(TAnswer).VisitMessage Method

Call this when you want an answer for a full message.

```
public TAnswer AnswerMessageTraverser(  
    Message message  
) ;
```

Parameters

message

The message you want to traverse

Return Value

An answer

Implements

[IAnswerMessageTraverser<TAnswer>.VisitMessage](#)

Exceptions

Exception Type	Condition
ArgumentNullException	if <i>message</i> is a null reference

See Also

[AnswerMessageTraverser<TAnswer> Class](#) |
[OpenPop.Mime.Traverse Namespace](#)

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OpenPop.NET POP3 Library Documentation

AnswerMessageTraverser(TAnswer).VisitMessagePart Method

Call this method when you want to find an answer for a [MessagePart](#)

```
public TAnswer AnswerMessageTraverser(  
    MessagePart messagePart  
) ;
```

Parameters

messagePart

The [MessagePart](#) part you want an answer from.

Return Value

An answer

Implements

[IAnswerMessageTraverser<TAnswer>.VisitMessagePart](#)

Exceptions

Exception Type	Condition
ArgumentNullException	if <i>messagePart</i> is a null reference

See Also

[AnswerMessageTraverser<TAnswer> Class](#) |
[OpenPop.Mime.Traverse Namespace](#)

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OpenPop.NET POP3 Library Documentation

IAnswerMessageTraverser(TAnswer) Interface

This interface describes a MessageTraverser which is able to traverse a Message hierarchy structure and deliver some answer.

For a list of all members of this type, see [IAnswerMessageTraverser\(TAnswer\) Members](#).

```
public interface IAnswerMessageTraverser<TAns
```

Types that implement IAnswerMessageTraverser(TAnswer)

Type	Description
AnswerMessageTraverser(TAnswer)	This is an abstract class which handles traversing of a Message tree structure. It runs through the message structure using a depth-first traversal.
MultipleMessagePartFinder	An abstract class that implements the MergeLeafAnswers method. The method simply returns the union of all answers from the leaves.

Generic template parameters

TAnswer

This is the type of the answer you want to have delivered.

Requirements

Namespace: [OpenPop.Mime.Traverse](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[IAnswerMessageTraverser\(TAnswer\) Members](#) |

[OpenPop.Mime.Traverse Namespace](#)

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OpenPop.NET POP3 Library Documentation

IAnswerMessageTraverser(TAnswer) Members

[IAnswerMessageTraverser\(TAnswer\) overview](#)

Public Instance Methods

◆ VisitMessage	Call this when you want to apply this traverser on a Message .
◆ VisitMessagePart	Call this when you want to apply this traverser on a MessagePart .

See Also

[IAnswerMessageTraverser<TAnswer> Interface](#) |
[OpenPop.Mime.Traverse Namespace](#)

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OpenPop.NET POP3 Library Documentation

IAnswerMessageTraverser(TAnswer) Methods

The methods of the **IAnswerMessageTraverser(TAnswer)** interface are listed below. For a complete list of **IAnswerMessageTraverser(TAnswer)** interface members, see the [IAnswerMessageTraverser\(TAnswer\) Members](#) topic.

Public Instance Methods

• VisitMessage	Call this when you want to apply this traverser on a Message .
• VisitMessagePart	Call this when you want to apply this traverser on a MessagePart .

See Also

[IAnswerMessageTraverser<TAnswer> Interface](#) |
[OpenPop.Mime.Traverse Namespace](#)

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IAnswerMessageTraverser(TAnswer).VisitMessage Method

Call this when you want to apply this traverser on a [Message](#).

```
TAnswer IAnswerMessageTraverser(  
    Message message  
) ;
```

Parameters

message

The [Message](#) which you want to traverse. Must not be a null reference.

Return Value

An answer

See Also

[IAnswerMessageTraverser<TAnswer> Interface](#) |
[OpenPop.Mime.Traverse Namespace](#)

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OpenPop.NET POP3 Library Documentation

IAnswerMessageTraverser(TAnswer).VisitMessagePart Method

Call this when you want to apply this traverser on a [MessagePart](#).

```
TAnswer IAnswerMessageTraverser(
    MessagePart messagePart
);
```

Parameters

messagePart

The [MessagePart](#) which you want to traverse. Must not be a null reference.

Return Value

An answer

See Also

[IAnswerMessageTraverser<TAnswer> Interface](#) |
[OpenPop.Mime.Traverse Namespace](#)

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IQuestionAnswerMessageTraverser(TQuestion,TAnswer) Interface

This interface describes a MessageTraverser which is able to traverse a Message structure and deliver some answer given some question.

For a list of all members of this type, see [IQuestionAnswerMessageTraverser\(TQuestion,TAnswer\) Members](#).

```
public interface IQuestionAnswerMessageTraverser<TQuestion, TAnswer>
```

Generic template parameters

TAnswer

This is the type of the answer you want to have delivered.

TQuestion

This is the type of the question you want to have answered.

Requirements

Namespace: [OpenPop.Mime.Traverse](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[IQuestionAnswerMessageTraverser\(TQuestion,TAnswer\) Members](#) |
[OpenPop.Mime.Traverse Namespace](#)

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IQuestionAnswerMessageTraverser(TQuestion,TAnswer) Members

[IQuestionAnswerMessageTraverser\(TQuestion,TAnswer\) overview](#)

Public Instance Methods

• VisitMessage	Call this when you want to apply this traverser on a Message .
• VisitMessagePart	Call this when you want to apply this traverser on a MessagePart .

See Also

[IQuestionAnswerMessageTraverser<TQuestion, TAnswer> Interface](#)
| [OpenPop.Mime.Traverse Namespace](#)

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OpenPop.NET POP3 Library Documentation

IQuestionAnswerMessageTraverser(TQuestion,TAnswer) M

The methods of the **IQuestionAnswerMessageTraverser(TQuestion,TAnswer)** interface are listed below. For a complete list of **IQuestionAnswerMessageTraverser(TQuestion,TAnswer)** interface members, see the [IQuestionAnswerMessageTraverser\(TQuestion,TAnswer\) Members](#) topic.

Public Instance Methods

 VisitMessage	Call this when you want to apply this traverser on a Message .
 VisitMessagePart	Call this when you want to apply this traverser on a MessagePart .

See Also

[IQuestionAnswerMessageTraverser<TQuestion, TAnswer> Interface](#)
| [OpenPop.Mime.Traverse Namespace](#)

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OpenPop.NET POP3 Library Documentation

IQuestionAnswerMessageTraverser(TQuestion,TAnswer).Visit Method

Call this when you want to apply this traverser on a [Message](#).

```
TAnswer IQuestionAnswerMessageTraverser(  
    Message message,  
    TQuestion question  
) ;
```

Parameters

message

The [Message](#) which you want to traverse. Must not be a null reference.

question

The question

Return Value

An answer

See Also

[IQuestionAnswerMessageTraverser<TQuestion, TAnswer> Interface](#)
[| OpenPop.Mime.Traverse Namespace](#)

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IQuestionAnswerMessageTraverser(TQuestion,TAnswer).Visit Method

Call this when you want to apply this traverser on a [MessagePart](#).

```
TAnswer IQuestionAnswerMessageTraverser(  
    MessagePart messagePart,  
    TQuestion question  
) ;
```

Parameters

messagePart

The [MessagePart](#) which you want to traverse. Must not be a null reference.

question

The question

Return Value

An answer

See Also

[IQuestionAnswerMessageTraverser<TQuestion, TAnswer> Interface](#)
[| OpenPop.Mime.Traverse Namespace](#)

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OpenPop.NET POP3 Library Documentation

MultipleMessagePartFinder Class

An abstract class that implements the MergeLeafAnswers method. The method simply returns the union of all answers from the leaves.

For a list of all members of this type, see [MultipleMessagePartFinder Members](#).

[System.Object](#)

[AnswerMessageTraverser\(List<MessagePart>\)](#)

MultipleMessagePartFinder

```
public abstract class MultipleMessagePartFinder
{
    :
    AnswerMessageTraverser<List<MessagePart>>
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Requirements

Namespace: [OpenPop.Mime.Traverse](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[MultipleMessagePartFinder Members](#) | [OpenPop.Mime.Traverse Namespace](#)

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MultipleMessagePartFinder Members

[MultipleMessagePartFinder overview](#)

Public Instance Methods

◆ VisitMessage (inherited from AnswerMessageTraverser)	Call this when you want an answer for a full message.
◆ VisitMessagePart (inherited from AnswerMessageTraverser)	Call this method when you want to find an answer for a MessagePart

Protected Instance Constructors

◆ MultipleMessagePartFinder Constructor	Initializes a new instance of the MultipleMessagePartFinder class.
---------------------------------------------------------	------------------------------------------------------------------------------------

Protected Instance Methods

◆ CaseLeaf (inherited from AnswerMessageTraverser)	For a concrete implementation an answer must be returned for a leaf MessagePart , which are MessageParts that are not MultiParts .
◆ MergeLeafAnswers	Adds all the <i>leafAnswers</i> in one big answer

See Also

[MultipleMessagePartFinder Class](#) | [OpenPop.Mime.Traverse Namespace](#)

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MultipleMessagePartFinder Constructor

Initializes a new instance of the [MultipleMessagePartFinder](#) class.

```
MultipleMessagePartFinder\(\);
```

See Also

[MultipleMessagePartFinder Class | OpenPop.Mime.Traverse Namespace](#)

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MultipleMessagePartFinder Methods

The methods of the **MultipleMessagePartFinder** class are listed below. For a complete list of **MultipleMessagePartFinder** class members, see the [MultipleMessagePartFinder Members](#) topic.

Public Instance Methods

◆ VisitMessage (inherited from AnswerMessageTraverser)	Call this when you want an answer for a full message.
◆ VisitMessagePart (inherited from AnswerMessageTraverser)	Call this method when you want to find an answer for a MessagePart

Protected Instance Methods

◆ CaseLeaf (inherited from AnswerMessageTraverser)	For a concrete implementation an answer must be returned for a leaf MessagePart , which are MessageParts that are not MultiParts .
◆ MergeLeafAnswers	Adds all the <i>leafAnswers</i> in one big answer

See Also

[MultipleMessagePartFinder Class](#) | [OpenPop.Mime.Traverse Namespace](#)

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MultipleMessagePartFinder.MergeLeafAnswers Method

Adds all the *leafAnswers* in one big answer

```
protected override List<MessagePart> MergeLeafAnswers(List<List<MessagePart>> leafAnswers);
```

Parameters

leafAnswers

The answers to merge

Return Value

A list with has all the elements in the *leafAnswers* lists

Exceptions

Exception Type	Condition
ArgumentNullException	if <i>leafAnswers</i> is a null reference

See Also

[MultipleMessagePartFinder Class | OpenPop.Mime.Traverse Namespace](#)

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Message Class

This is the root of the email tree structure.
[MessagePart](#) for a description about the structure.

A Message (this class) contains the headers of an email message such as:

- To
- From
- Subject
- Content-Type
- Message-ID

which are located in the [Headers](#) property.

Use the [MessagePart](#) property to find the actual content of the email message.

For a list of all members of this type, see [Message Members](#).

[System.Object](#)

Message

```
public class Message
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Example

Examples are available on the [project homepage](#).

Requirements

Namespace: [OpenPop.Mime](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[Message Members](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

Message Members

[Message overview](#)

Public Static Methods

  Load	Overloaded. Loads a Message from a file containing a raw email.
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------

Public Instance Constructors

 Message	Overloaded. Initializes a new instance of the Message class.
-----------------------------------------------------------------------------------------------------------	--------------------------------------------------------------

Public Instance Properties

 Headers	Headers of the Message.
 MessagePart	This is the body of the email Message. If the body was parsed for this Message, this property will never be a null reference.
 RawMessage	The raw content from which this message has been constructed. These bytes can be persisted and later used to recreate the Message.

Public Instance Methods

 FindAllAttachments	Finds all the MessagePart 's w/ attachments to this message.
 FindAllMessagePartsWithMediaType	IsAttachment for MessagePart are considered to be attachme
 FindAllMessagePartsWithMediaType	Finds all the MessagePart s in the Message hierarchy with the given media type.

	MediaType.
❖ FindAllTextVersions	<p>Finds all the MessagePart's which contains a text version.</p> <p>IsText for MessageParts which considered to be text versions.</p> <p>Examples of MessageParts media types are:</p> <ul style="list-style-type: none"> • text/plain • text/html • text/xml
❖ FindFirstHtmlVersion	<p>Finds the first text/html MessagePart in this message.</p> <p>This is a convenience method simply propagates the call to FindFirstMessagePartWithMediaType.</p> <p>If no text/html version is found, reference is returned.</p>
❖ FindFirstMessagePartWithMediaType	<p>Finds the first MessagePart in Message hierarchy with the given MediaType.</p> <p>The search in the hierarchy is a depth-first traversal.</p>
❖ FindFirstPlainTextVersion	<p>Finds the first text/plain MessagePart in this message.</p> <p>This is a convenience method simply propagates the call to FindFirstMessagePartWithMediaType.</p> <p>If no text/plain version is found reference is returned.</p>
❖ Save	Overloaded. Save this Message .

file.

Can be loaded at a later time via the [Load](#) method.

>ToMailMessage

This method will convert this [M](#) into a [MailMessage](#) equivalent. The returned **MailMessage** can be used with [SmtpClient](#) to forward email.

You should be aware of the following about this method:

- All sender and receiver mail addresses are included. If you send this email using a [SmtpClient](#), then all receivers in the From, Cc and Bcc headers receive the email again.
- If you view the source code of this Message and looks at the source code of the forwarded [MailMessage](#) returned by this method, you will notice that the source codes are not the same. The content that is presented by a mail client reading the forwarded **MailMessage** should be the same as the original, though.
- Content-Disposition headers will not be copied to the forwarded message.

MailMessage. It simply not possible to set these on Attachments.

- HTML content will be treated as the preview for the **Body**, text content will be used for the **Body** when HTML is not available.

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

Message Constructor

Convenience constructor for [Message](#).

Creates a message from a byte array. The full message including its body is parsed.

Overload List

Convenience constructor for [Message](#).

Creates a message from a byte array. The full message including its body is parsed.

[`public Message\(byte\[\]\)`](#)

Constructs a message from a byte array.

The headers are always parsed, but if *parseBody* is **false**, the body is not parsed.

[`public Message\(byte\[\],bool\)`](#)

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

Message Constructor

Convenience constructor for [Message](#).

Creates a message from a byte array. The full message including its body is parsed.

```
Message(  
    byte[] rawMessageContent  
);
```

Parameters

rawMessageContent

The byte array which is the message contents to parse

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#) | [Message Constructor Overload List](#)

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OpenPop.NET POP3 Library Documentation

Message Constructor

Constructs a message from a byte array.

The headers are always parsed, but if *parseBody* is **false**, the body is not parsed.

```
Message(  
    byte[] rawMessageContent,  
    bool parseBody  
) ;
```

Parameters

rawMessageContent

The byte array which is the message contents to parse

parseBody

true if the body should be parsed, **false** if only headers should be parsed out of the *rawMessageContent* byte array

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#) | [Message Constructor Overload List](#)

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OpenPop.NET POP3 Library Documentation

Message Properties

The properties of the **Message** class are listed below. For a complete list of **Message** class members, see the [Message Members](#) topic.

Public Instance Properties

 Headers	Headers of the Message.
 MessagePart	This is the body of the email Message. If the body was parsed for this Message, this property will never be a null reference.
 RawMessage	The raw content from which this message has been constructed. These bytes can be persisted and later used to recreate the Message.

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

Message.Headers Property

Headers of the Message.

```
public MessageHeader Headers { public get; pi
```

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

Message.MessagePart Property

This is the body of the email Message.

If the body was parsed for this Message, this property will never be a null reference.

```
public MessagePart MessagePart { public get;
```

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

Message.RawMessage Property

The raw content from which this message has been constructed. These bytes can be persisted and later used to recreate the Message.

```
public byte[] RawMessage { public get; private set; }
```

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

Message Methods

The methods of the **Message** class are listed below. For a complete list of **Message** class members, see the [Message Members](#) topic.

Public Static Methods

  Load	Overloaded. Loads a Message from a file containing a raw email.
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------

Public Instance Methods

 FindAllAttachments	Finds all the MessagePart 's w/ attachments to this message. Any parts which have IsAttachment for MessagePart are considered to be attachments.
 FindAllMessagePartsWithMediaType	Finds all the MessageParts in the Message hierarchy with the given MediaType .
 FindAllTextVersions	Finds all the MessagePart 's w/ contains a text version. IsText for MessageParts which are considered to be text versions. Examples of MessageParts media types are: <ul style="list-style-type: none">• text/plain• text/html• text/xml
 FindFirstHtmlVersion	Finds the first text/html Message in this message. This is a convenience method which simply propagates the call to

	FindFirstMessagePartWithMec
	If no text/html version is found, reference is returned.
◆ FindFirstMessagePartWithMediaType	Finds the first MessagePart in Message hierarchy with the given MediaType. The search in the hierarchy is a depth-first traversal.
◆ FindFirstPlainTextVersion	Finds the first text/plain MessagePart in this message. This is a convenience method simply propagates the call to FindFirstMessagePartWithMec If no text/plain version is found reference is returned.
◆ Save	Overloaded. Save this Message file. Can be loaded at a later time using the Load method.
◆ ToMailMessage	This method will convert this Message into a MailMessage equivalent. The returned MailMessage can be used with SmtpClient to forward email. You should be aware of the following about this method: <ul style="list-style-type: none"> • All sender and recipient mail addresses are copied. If you send this email using a SmtpClient, then all receivers

From, Cc and Bcc receive the email again.

- If you view the source code of this Message and looks at the source code of the forwarded **MailMessage** returned by this method, you will notice that the source codes are not the same. The content that is presented by a mail client reading the forwarded **MailMessage** should be the same as the original, though.
- Content-Disposition headers will not be copied to the forwarded **MailMessage**. It is simply not possible to set these on attachments.
- HTML content will be treated as the preview for the **Body**. The text content will be used for the **Body** when HTML is not available.

See Also

[Message Class | OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

Message.FindAllAttachments Method

Finds all the [MessagePart](#)'s which are attachments to this message.

[IsAttachment](#) for MessageParts which are considered to be attachments.

```
public List<MessagePart> FindAllAttachments()
```

Return Value

A List of MessageParts where each is considered an attachment

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#)

[Send comments on this topic.](#)

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OpenPop.NET POP3 Library Documentation

Message.FindAllMessagePartsWithMediaType Method

Finds all the [MessageParts](#) in the [Message](#) hierarchy with the given MediaType.

```
public List<MessagePart> GetAllMessageParts!
    string mediaType
);
```

Parameters

mediaType

The MediaType to search for. Case is ignored.

Return Value

A List of [MessageParts](#) with the given MediaType.

The List might be empty if no such **MessageParts** were found.

The order of the elements in the list is the order which they are found using a depth first traversal of the [Message](#) hierarchy.

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

Message.FindAllTextVersions Method

Finds all the [MessagePart](#)'s which contains a text version.

[IsText](#) for MessageParts which are considered to be text versions.

Examples of MessageParts media types are:

- text/plain
- text/html
- text/xml

```
public List<MessagePart> GetAllTextVersions
```

Return Value

A List of MessageParts where each part is a text version

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

Message.FindFirstHtmlVersion Method

Finds the first text/html [MessagePart](#) in this message.
This is a convenience method - it simply propagates the call to [FindFirstMessagePartWithMediaType](#).

If no text/html version is found, a null reference is returned.

```
public MessagePart FindFirstHtmlVersion();
```

Return Value

[MessagePart](#) which has a MediaType of text/html or a null reference if such [MessagePart](#) could not be found.

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

Message.FindFirstMessagePartWithMediaType Method

Finds the first [MessagePart](#) in the [Message](#) hierarchy with the given MediaType.

The search in the hierarchy is a depth-first traversal.

```
public MessagePart FindFirstMessagePartWithMedia
    string mediaType
);
```

Parameters

mediaType

The MediaType to search for. Case is ignored.

Return Value

A [MessagePart](#) with the given MediaType or a null reference if no such [MessagePart](#) was found

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

Message.FindFirstPlainTextVersion Method

Finds the first text/plain [MessagePart](#) in this message.

This is a convenience method - it simply propagates the call to [FindFirstMessagePartWithMediaType](#).

If no text/plain version is found, a null reference is returned.

```
public MessagePart FindFirstPlainTextVersion()
```

Return Value

[MessagePart](#) which has a MediaType of text/plain or a null reference if such [MessagePart](#) could not be found.

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#)

[Send comments on this topic.](#)

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OpenPop.NET POP3 Library Documentation

Message.Load Method

Loads a [Message](#) from a file containing a raw email.

Overload List

Loads a [Message](#) from a file containing a raw email.

[`public static Message Load\(FileInfo\)`](#)

Loads a [Message](#) from a [Stream](#) containing a raw email.

[`public static Message Load\(Stream\)`](#)

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

Message.Load(FileInfo) Method

Loads a [Message](#) from a file containing a raw email.

```
public static Message Load(  
    FileInfo file  
) ;
```

Parameters

file

The File location to load the [Message](#) from. The file must exist.

Return Value

A [Message](#) with the content loaded from the *file*

Exceptions

Exception Type	Condition
ArgumentNullException	If <i>file</i> is a null reference
FileNotFoundException	If <i>file</i> does not exist
	Other exceptions relevant to a FileStream might be thrown as well

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#) | [Message.Load Overload List](#)

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OpenPop.NET POP3 Library Documentation

Message.Load(Stream) Method

Loads a [Message](#) from a [Stream](#) containing a raw email.

```
public static Message Load(  
    Stream messageStream  
) ;
```

Parameters

messageStream

The [Stream](#) from which to load the raw [Message](#)

Return Value

A [Message](#) with the content loaded from the *messageStream*

Exceptions

Exception Type	Condition
ArgumentNullException	If <i>messageStream</i> is a null reference
	Other exceptions relevant to Read might be thrown as well

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#) | [Message.Load Overload List](#)

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OpenPop.NET POP3 Library Documentation

Message.Save Method

Save this [Message](#) to a file.

Can be loaded at a later time using the [Load](#) method.

Overload List

Save this [Message](#) to a file.

Can be loaded at a later time using the [Load](#) method.

[`public void Save\(FileInfo \)`](#)

Save this [Message](#) to a stream.

[`public void Save\(Stream \)`](#)

See Also

[Message Class | OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

Message.Save(FileInfo) Method

Save this [Message](#) to a file.

Can be loaded at a later time using the [Load](#) method.

```
public void Save(  
    FileInfo file  
) ;
```

Parameters

file

The File location to save the [Message](#) to. Existent files will be overwritten.

Exceptions

Exception Type	Condition
ArgumentNullException	If <i>file</i> is a null reference
	Other exceptions relevant to using a FileStream might be thrown as well

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#) | [Message.Save Overload List](#)

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OpenPop.NET POP3 Library Documentation

Message.Save(Stream) Method

Save this [Message](#) to a stream.

```
public void Save(  
    Stream messageStream  
) ;
```

Parameters

messageStream

The stream to write to

Exceptions

Exception Type	Condition
ArgumentNullException	If <i>messageStream</i> is a null reference
	Other exceptions relevant to Write might be thrown as well

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#) | [Message.Save Overload List](#)

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OpenPop.NET POP3 Library Documentation

Message.ToMailMessage Method

This method will convert this [Message](#) into a [MailMessage](#) equivalent.

The returned **MailMessage** can be used with [SmtpClient](#) to forward the email.

You should be aware of the following about this method:

- All sender and receiver mail addresses are set. If you send this email using a **SmtpClient** then all receivers in To, From, Cc and Bcc will receive the email once again.
- If you view the source code of this Message and looks at the source code of the forwarded **MailMessage** returned by this method, you will notice that the source codes are not the same. The content that is presented by a mail client reading the forwarded **MailMessage** should be the same as the original, though.
- Content-Disposition headers will not be copied to the **MailMessage**. It is simply not possible to set these on Attachments.
- HTML content will be treated as the preferred view for the [Body](#). Plain text content will be used for the **Body** when HTML is not available.

```
public MailMessage ToMailMessage();
```

Return Value

A [MailMessage](#) object that contains the same information that this Message does

See Also

[Message Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessagePart Class

A MessagePart is a part of an email message used to describe the whole email parse tree.

Email messages are tree structures:

Email messages may contain large tree structures, and the MessagePart are the nodes of this structure.

A MessagePart may either be a leaf in the structure or an internal node with links to other MessageParts.

The root of the message tree is the [Message](#) class.

Leafs:

If a MessagePart is a leaf, the part is not a [MultiPart](#) message.

Leafs are where the contents of an email are placed.

This includes, but is not limited to: attachments, text or images referenced from HTML.

The content of an attachment can be fetched by using the [Body](#) property.

If you want to have the text version of a MessagePart, use the [GetBodyAsText](#) method which will

convert the [Body](#) into a string using the encoding the message was sent with.

Internal nodes:

If a MessagePart is an internal node in the email tree structure, then the part is a [MultiPart](#) message.

The [MessageParts](#) property will then contain links to the parts it contains.

The [Body](#) property of the MessagePart will not be set.

See the example for a parsing example.

This class cannot be instantiated from outside the library.

For a list of all members of this type, see [MessagePart Members](#).

[System.Object](#)

MessagePart

```
public class MessagePart
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Example

This example illustrates how the message parse tree looks like given a specific message

The message source in this example is:

```
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="frontier"

This is a message with multiple parts in MIME format
--frontier
Content-Type: text/plain

This is the body of the message.
--frontier
Content-Type: application/octet-stream
Content-Transfer-Encoding: base64

PGh0bWw+CiAgPGHLYWQ+CiAgPC9oZWFKPgogIDxib2R5PgogICAg
Ym9keSBvZiB0aGUgbWVzc2FnZS48L3A+CiAgPC9ib2R5Pg08L2h0
--frontier--
```

The tree will look as follows, where the content-type media type of the message is listed

- Message root
 - multipart/mixed MessagePart
 - text/plain MessagePart
 - application/octet-stream MessagePart

It is possible to have more complex message trees like the following:

- Message root

- multipart/mixed MessagePart
 - text/plain MessagePart
 - text/plain MessagePart
 - multipart/parallel
 - audio/basic
 - image/tiff
 - text/enriched
 - message/rfc822

But it is also possible to have very simple message trees like:

- Message root
 - text/plain

Requirements

Namespace: [OpenPop.Mime](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[MessagePart Members](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessagePart Members

[MessagePart overview](#)

Public Instance Properties

 Body	<p>This is the parsed body of this MessagePart. It is parsed in that way, if the body was ContentTransferEncoded, it has been decoded to the correct bytes.</p> <p>It will be a null reference if this MessagePart is a MultiPart message. Use IsMultiPart to check if this MessagePart is a MultiPart message.</p>
 BodyEncoding	<p>This is the encoding used to parse the message body if the MessagePart is not a MultiPart message. It is derived from the ContentType character set property.</p>
 ContentDescription	<p>A human readable description of the body</p> <p>a null reference if no Content-Description header was present in the message.</p>
 ContentDisposition	<p>Used to describe if a MessagePart is to be displayed or to be thought of as an attachment.</p> <p>Also contains information about filename if such was sent.</p>

	a null reference if no Content-Disposition header field was present in the message
 ContentId	ID of the content part (like an attached image). Used with MultiPart messages. a null reference if no Content-ID header field was present in the message.
 ContentTransferEncoding	This header describes the Content encoding during transfer. If no Content-Transfer-Encoding header was present in the message, it is set to the default of SevenBit in accordance to the RFC.
 ContentType	The Content-Type header field. If not set, the ContentType is created by the default "text/plain; charset=us-ascii" which is defined in RFC 2045 section 5.2 . If set, the default is overridden.
 FileName	This is a convenient-property for figuring out a FileName for this MessagePart . If the MessagePart is a MultiPart message, then it makes no sense to try to find a FileName.

	<p>The FileName can be specified in the ContentDisposition or in the ContentType properties. If none of these places two places tells about the FileName, a default "(no name)" is returned.</p>
 IsAttachment	<p>A MessagePart is considered to be an attachment, if</p> <ul style="list-style-type: none"> - it is not holding text and is not a MultiPart message or - it has a Content-Disposition header that says it is an attachment
 IsMultiPart	<p>Describes if this MessagePart is a MultiPart message</p> <p>The MessagePart is a MultiPart message if the ContentType media type property starts with "multipart/"</p>
 IsText	<p>A MessagePart is considered to be holding text in its body if the MediaType starts either "text/" or is equal to "message/rfc822"</p>
 MessageParts	<p>If this MessagePart is a MultiPart message, then this property has a list of each of the Multiple parts that the message consists of.</p> <p>It is a null reference if it is not a MultiPart message. Use IsMultiPart to check if this MessagePart is a MultiPart message.</p>

Public Instance Methods

 GetBodyAsText	Gets this MessagePart's Body as text. This is simply the BodyEncoding being used on the raw bytes of the Body property. This method is only valid to call if it is not a MultiPart message and therefore contains a body.
 Save	Overloaded. Save this MessagePart 's contents to a file. There are no methods to reload the file.

See Also

[MessagePart Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessagePart Properties

The properties of the **MessagePart** class are listed below. For a complete list of **MessagePart** class members, see the [MessagePart Members](#) topic.

Public Instance Properties

 Body	<p>This is the parsed body of this MessagePart. It is parsed in that way, if the body was ContentTransferEncoded, it has been decoded to the correct bytes.</p> <p>It will be a null reference if this MessagePart is a MultiPart message. Use IsMultiPart to check if this MessagePart is a MultiPart message.</p>
 BodyEncoding	<p>This is the encoding used to parse the message body if the MessagePart is not a MultiPart message. It is derived from the ContentType character set property.</p>
 ContentDescription	<p>A human readable description of the body</p> <p>a null reference if no Content-Description header was present in the message.</p>
 ContentDisposition	<p>Used to describe if a MessagePart is to be displayed or to be thought of as an attachment.</p>

	<p>Also contains information about filename if such was sent.</p> <p>a null reference if no Content-Disposition header field was present in the message</p>
 ContentId	<p>ID of the content part (like an attached image). Used with MultiPart messages.</p> <p>a null reference if no Content-ID header field was present in the message.</p>
 ContentTransferEncoding	<p>This header describes the Content encoding during transfer.</p> <p>If no Content-Transfer-Encoding header was present in the message, it is set to the default of SevenBit in accordance to the RFC.</p>
 ContentType	<p>The Content-Type header field.</p> <p>If not set, the ContentType is created by the default "text/plain; charset=us-ascii" which is defined in RFC 2045 section 5.2.</p> <p>If set, the default is overridden.</p>
 FileName	<p>This is a convenient-property for figuring out a FileName for this MessagePart.</p> <p>If the MessagePart is a MultiPart message, then it makes no sense to try to find a</p>

	<p>FileName.</p> <p>The FileName can be specified in the ContentDisposition or in the ContentType properties. If none of these places two places tells about the FileName, a default "(no name)" is returned.</p>
 IsAttachment	<p>A MessagePart is considered to be an attachment, if</p> <ul style="list-style-type: none"> - it is not holding text and is not a MultiPart message or - it has a Content-Disposition header that says it is an attachment
 IsMultiPart	<p>Describes if this MessagePart is a MultiPart message</p> <p>The MessagePart is a MultiPart message if the ContentType media type property starts with "multipart/"</p>
 IsText	<p>A MessagePart is considered to be holding text in its body if the MediaType starts either "text/" or is equal to "message/rfc822"</p>
 MessageParts	<p>If this MessagePart is a MultiPart message, then this property has a list of each of the Multiple parts that the message consists of.</p> <p>It is a null reference if it is not a MultiPart message. Use IsMultiPart to check if this</p>

MessagePart is a MultiPart message.

See Also

[MessagePart Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessagePart.Body Property

This is the parsed body of this [MessagePart](#).

It is parsed in that way, if the body was ContentTransferEncoded, it has been decoded to the correct bytes.

It will be a null reference if this **MessagePart** is a MultiPart message.

Use [IsMultiPart](#) to check if this **MessagePart** is a MultiPart message.

```
public byte[] Body { public get; private set }
```

See Also

[MessagePart Class](#) | [OpenPop.Mime Namespace](#)

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MessagePart.BodyEncoding Property

This is the encoding used to parse the message body if the [MessagePart](#)

is not a MultiPart message. It is derived from the [ContentType](#) character set property.

```
public Encoding BodyEncoding { public get; p }
```

See Also

[MessagePart Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessagePart.ContentDescription Property

A human readable description of the body

a null reference if no Content-Description header was present in the message.

```
public string ContentDescription { public get
```

See Also

[MessagePart Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessagePart.ContentDisposition Property

Used to describe if a [MessagePart](#) is to be displayed or to be thought of as an attachment.

Also contains information about filename if such was sent.

a null reference if no Content-Disposition header field was present in the message

```
public ContentDisposition ContentDisposition
```

See Also

[MessagePart Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessagePart.ContentId Property

ID of the content part (like an attached image). Used with MultiPart messages.

a null reference if no Content-ID header field was present in the message.

```
public string ContentId { public get; private set; }
```

See Also

[MessagePart Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessagePart.ContentTransferEncoding Property

This header describes the Content encoding during transfer.

If no Content-Transfer-Encoding header was present in the message, it is set to the default of [SevenBit](#) in accordance to the RFC.

```
public ContentTransferEncoding ContentTransferEncoding { get; }
```

Remarks

See [RFC 2045 section 6](#) for details

See Also

[MessagePart Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessagePart.ContentType Property

The Content-Type header field.

If not set, the ContentType is created by the default "text/plain; charset=us-ascii" which is defined in [RFC 2045 section 5.2](#).

If set, the default is overridden.

```
public ContentType ContentType { public get;
```

See Also

[MessagePart Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessagePart.FileName Property

This is a convenient-property for figuring out a FileName for this [MessagePart](#).

If the **MessagePart** is a MultiPart message, then it makes no sense to try to find a FileName.

The FileName can be specified in the [ContentDisposition](#) or in the [ContentType](#) properties.

If none of these places two places tells about the FileName, a default "(no name)" is returned.

```
public string FileName { public get; private
```

See Also

[MessagePart Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessagePart.IsAttachment Property

A [MessagePart](#) is considered to be an attachment, if

- it is not holding [text](#) and is not a [MultiPart](#) message
- or
- it has a Content-Disposition header that says it is an attachment

```
public bool IsAttachment { public get; }
```

See Also

[MessagePart Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessagePart.IsMultiPart Property

Describes if this [MessagePart](#) is a MultiPart message

The **MessagePart** is a MultiPart message if the [ContentType](#) media type property starts with "multipart/"

```
public bool IsMultiPart { public get; }
```

See Also

[MessagePart Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessagePart.IsText Property

A [MessagePart](#) is considered to be holding text in it's body if the MediaType starts either "text/" or is equal to "message/rfc822"

```
public bool IsText { public get; }
```

See Also

[MessagePart Class](#) | [OpenPop.Mime Namespace](#)

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MessagePart.MessageParts Property

If this [MessagePart](#) is a MultiPart message, then this property has a list of each of the Multiple parts that the message consists of.

It is a null reference if it is not a MultiPart message.

Use [IsMultiPart](#) to check if this **MessagePart** is a MultiPart message.

```
public List<MessagePart> MessageParts { public:
```

See Also

[MessagePart Class | OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessagePart Methods

The methods of the **MessagePart** class are listed below. For a complete list of **MessagePart** class members, see the [MessagePart Members](#) topic.

Public Instance Methods

◆ GetBodyAsText	Gets this MessagePart's Body as text. This is simply the BodyEncoding being used on the raw bytes of the Body property. This method is only valid to call if it is not a MultiPart message and therefore contains a body.
◆ Save	Overloaded. Save this MessagePart 's contents to a file. There are no methods to reload the file.

See Also

[MessagePart Class](#) | [OpenPop.Mime Namespace](#)

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MessagePart.GetBodyAsText Method

Gets this MessagePart's [Body](#) as text.

This is simply the [BodyEncoding](#) being used on the raw bytes of the **Body** property.

This method is only valid to call if it is not a MultiPart message and therefore contains a body.

```
public string GetBodyAsText();
```

Return Value

The [Body](#) property as a string

See Also

[MessagePart Class](#) | [OpenPop.Mime Namespace](#)

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MessagePart.Save Method

Save this [MessagePart](#)'s contents to a file.
There are no methods to reload the file.

Overload List

Save this [MessagePart](#)'s contents to a file.
There are no methods to reload the file.

[public void Save\(FileInfo\)](#)

Save this [MessagePart](#)'s contents to a stream.

[public void Save\(Stream\)](#)

See Also

[MessagePart Class](#) | [OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

MessagePart.Save(FileInfo) Method

Save this [MessagePart](#)'s contents to a file.
There are no methods to reload the file.

```
public void Save(  
    FileInfo file  
) ;
```

Parameters

file

The File location to save the [MessagePart](#) to. Existent files will be overwritten.

Exceptions

Exception Type	Condition
ArgumentNullException	If <i>file</i> is a null reference
	Other exceptions relevant to using a FileStream might be thrown as well

See Also

[MessagePart Class](#) | [OpenPop.Mime Namespace](#) |
[MessagePart.Save Overload List](#)

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OpenPop.NET POP3 Library Documentation

MessagePart.Save(Stream) Method

Save this [MessagePart](#)'s contents to a stream.

```
public void Save(  
    Stream messageStream  
) ;
```

Parameters

messageStream

The stream to write to

Exceptions

Exception Type	Condition
ArgumentNullException	If <i>messageStream</i> is a null reference
	Other exceptions relevant to Write might be thrown as well

See Also

[MessagePart Class](#) | [OpenPop.Mime Namespace](#) |
[MessagePart.Save Overload List](#)

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OpenPop.NET POP3 Library Documentation

OpenPop.Pop3 Namespace

Contains classes specific to the POP3 protocol part of OpenPop.NET.

[Namespace Hierarchy](#)

Classes

Class	Description
Disposable	Utility class that simplifies the usage of IDisposable
Pop3Client	POP3 compliant POP Client If you want to override where logging is sent, look at DefaultLogger

Enumerations

Enumeration	Description
AuthenticationMethod	Describes the authentication method to use when authenticating towards a POP3 server.

[Send comments on this topic.](#)

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OpenPop.NET POP3 Library Documentation

OpenPop.Pop3.Exceptions Namespace

Contains the exceptions the Pop3Client might throw.

[Namespace Hierarchy](#)

Classes

Class	Description
InvalidLoginException	Thrown when the supplied username or password is not accepted by the POP3 server.
InvalidUseException	Thrown when the Pop3Client is being used in an invalid way. This could for example happen if a someone tries to fetch a message without authenticating.
LoginDelayException	This exception indicates that the user has logged in recently and will not be allowed to login again until the login delay period has expired. Check the parameter to the LOGIN-DELAY capability, that the server responds with when Capabilities is called, to see what the delay is.
PopClientException	This is the base exception for all Pop3Client exceptions.
PopServerException	Thrown when the server does not return "+" to a command. The server response is then placed inside.
PopServerLockedException	Thrown when the user mailbox is locked or in-use.

<u>PopServerNotAvailableException</u>	Thrown when the POP3 server sends an error "-ERR" during initial handshake "HELO".
<u>PopServerNotFoundException</u>	Thrown when the specified POP3 server can not be found or connected to.

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OpenPop.NET POP3 Library Documentation

InvalidLoginException Class

Thrown when the supplied username or password is not accepted by the POP3 server.

For a list of all members of this type, see [InvalidLoginException Members](#).

[System.Object](#) Exception
[PopClientException](#)
InvalidLoginException

```
public class InvalidLoginException :  
    PopClientException
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Requirements

Namespace: [OpenPop.Pop3.Exceptions](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[InvalidLoginException Members](#) | [OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

InvalidOperationException Members

[InvalidOperationException overview](#)

Public Instance Constructors

◆ [InvalidOperationException Constructor](#)

Creates a InvalidOperationException with the given message and InnerException

See Also

[InvalidOperationException Class | OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

InvalidLoginException Constructor

Creates a InvalidLoginException with the given message and InnerException

```
InvalidLoginException(  
    Exception innerException  
);
```

Parameters

innerException

The exception that is the cause of this exception

See Also

[InvalidLoginException Class | OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

InvalidUseException Class

Thrown when the [Pop3Client](#) is being used in an invalid way. This could for example happen if someone tries to fetch a message without authenticating.

For a list of all members of this type, see [InvalidUseException Members](#).

[System.Object](#)

Exception

[PopClientException](#)

InvalidUseException

```
public class InvalidUseException :  
    PopClientException
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Requirements

Namespace: [OpenPop.Pop3.Exceptions](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[InvalidUseException Members](#) | [OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

InvalidUseException Members

[InvalidUseException overview](#)

Public Instance Constructors

 InvalidUseException Constructor	Creates a InvalidUseException with the given message
-----------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------

See Also

[InvalidUseException Class | OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

InvalidUseException Constructor

Creates a InvalidUseException with the given message

```
InvalidUseException(  
    string message  
);
```

Parameters

message

The message to include in the exception

See Also

[InvalidUseException Class](#) | [OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

LoginDelayException Class

This exception indicates that the user has logged in recently and will not be allowed to login again until the login delay period has expired. Check the parameter to the LOGIN-DELAY capability, that the server responds with when [Capabilities](#) is called, to see what the delay is.

For a list of all members of this type, see [LoginDelayException Members](#).

[System.Object](#) Exception
[PopClientException](#)
LoginDelayException

```
public class LoginDelayException :  
    PopClientException
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Requirements

Namespace: [OpenPop.Pop3.Exceptions](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[LoginDelayException Members](#) | [OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

LoginDelayException Members

[LoginDelayException overview](#)

Public Instance Constructors

 LoginDelayException Constructor	Creates a LoginDelayException with the given inner exception
-----------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------

See Also

[LoginDelayException Class | OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

LoginDelayException Constructor

Creates a LoginDelayException with the given inner exception

```
LoginDelayException(  
    PopServerException innerException  
);
```

Parameters

innerException

The exception that is the cause of this exception

See Also

[LoginDelayException Class](#) | [OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

PopClientException Class

This is the base exception for all [Pop3Client](#) exceptions.

For a list of all members of this type, see [PopClientException Members](#).

[System.Object](#) Exception
PopClientException
[Derived types](#)

```
public abstract class PopClientException :  
    Exception
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Requirements

Namespace: [OpenPop.Pop3.Exceptions](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[PopClientException Members](#) | [OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

PopClientException Members

[PopClientException overview](#)

Protected Instance Constructors

 PopClientException	Overloaded. Initializes a new instance of the PopClientException class.
----------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------

See Also

[PopClientException Class](#) | [OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

PopClientException Constructor

Creates a PopClientException with the given message and InnerException

Overload List

Creates a PopClientException with the given message

[`protected PopClientException\(string\)`](#)

Creates a PopClientException with the given message and InnerException

[`protected PopClientException\(string,Exception\)`](#)

See Also

[PopClientException Class](#) | [OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

PopClientException Constructor

Creates a PopClientException with the given message and InnerException

```
PopClientException(  
    string message,  
    Exception innerException  
) ;
```

Parameters

message

The message to include in the exception

innerException

The exception that is the cause of this exception

See Also

[PopClientException Class](#) | [OpenPop.Pop3.Exceptions Namespace](#)
| [PopClientException Constructor Overload List](#)

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OpenPop.NET POP3 Library Documentation

PopClientException Constructor

Creates a PopClientException with the given message

```
PopClientException(  
    string message  
) ;
```

Parameters

message

The message to include in the exception

See Also

[PopClientException Class](#) | [OpenPop.Pop3.Exceptions Namespace](#)
| [PopClientException Constructor Overload List](#)

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OpenPop.NET POP3 Library Documentation

PopServerException Class

Thrown when the server does not return "+" to a command.
The server response is then placed inside.

For a list of all members of this type, see [PopServerException Members](#).

[System.Object](#)

Exception

[PopClientException](#)

PopServerException

```
public class PopServerException :  
PopClientException
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Requirements

Namespace: [OpenPop.Pop3.Exceptions](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[PopServerException Members](#) | [OpenPop.Pop3.Exceptions Namespace](#)

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PopServerException Members

[PopServerException overview](#)

Public Instance Constructors

 PopServerException Constructor	Creates a PopServerException with the given message
----------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------

See Also

[PopServerException Class | OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

PopServerException Constructor

Creates a PopServerException with the given message

```
PopServerException(  
    string message  
) ;
```

Parameters

message

The message to include in the exception

See Also

[PopServerException Class](#) | [OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

PopServerLockedException Class

Thrown when the user mailbox is locked or in-use.

For a list of all members of this type, see
[PopServerLockedException Members](#).

[System.Object](#)

Exception

[PopClientException](#)

PopServerLockedException

```
public class PopServerLockedException :  
    PopClientException
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Remarks

The mail boxes are locked when an existing session is open on the POP3 server.

Only one POP3 client can use a POP3 account at a time.

Requirements

Namespace: [OpenPop.Pop3.Exceptions](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[PopServerLockedException Members](#) | [OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

PopServerLockedException Members

[PopServerLockedException overview](#)

Public Instance Constructors

◆ [PopServerLockedException Constructor](#)

Creates a PopServerLockedException with the given inner exception

See Also

[PopServerLockedException Class](#) | [OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

PopServerLockedException Constructor

Creates a PopServerLockedException with the given inner exception

```
PopServerLockedException(  
    PopServerException innerException  
);
```

Parameters

innerException

The exception that is the cause of this exception

See Also

[PopServerLockedException Class](#) | [OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

PopServerNotAvailableException Class

Thrown when the POP3 server sends an error "-ERR" during initial handshake "HELO".

For a list of all members of this type, see
[PopServerNotAvailableException Members](#).

[System.Object](#) Exception
[PopClientException](#)
PopServerNotAvailableException

```
public class PopServerNotAvailableException
    : PopClientException
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Requirements

Namespace: [OpenPop.Pop3.Exceptions](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[PopServerNotAvailableException Members](#) |
[OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

PopServerNotAvailableException Members

[PopServerNotAvailableException overview](#)

Public Instance Constructors



[PopServerNotAvailableException Constructor](#)

Creates a PopServerNotAvailableException with the given message and InnerException

See Also

[PopServerNotAvailableException Class | OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

PopServerNotAvailableException Constructor

Creates a PopServerNotAvailableException with the given message and InnerException

```
PopServerNotAvailableException(  
    string message,  
    Exception innerException  
) ;
```

Parameters

message

The message to include in the exception

innerException

The exception that is the cause of this exception

See Also

[PopServerNotAvailableException Class](#) | [OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

PopServerNotFoundException Class

Thrown when the specified POP3 server can not be found or connected to.

For a list of all members of this type, see [PopServerNotFoundException Members](#).

[System.Object](#) Exception
[PopClientException](#)
PopServerNotFoundException

```
public class PopServerNotFoundException :  
    PopClientException
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Requirements

Namespace: [OpenPop.Pop3.Exceptions](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[PopServerNotFoundException Members](#) |
[OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

PopServerNotFoundException Members

[PopServerNotFoundException overview](#)

Public Instance Constructors



[PopServerNotFoundException Constructor](#)

Creates a PopServerNotFoundException with the given message and InnerException

See Also

[PopServerNotFoundException Class](#) | [OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

PopServerNotFoundException Constructor

Creates a PopServerNotFoundException with the given message and InnerException

```
PopServerNotFoundException(  
    string message,  
    Exception innerException  
) ;
```

Parameters

message

The message to include in the exception

innerException

The exception that is the cause of this exception

See Also

[PopServerNotFoundException Class | OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

AuthenticationMethod Enumeration

Describes the authentication method to use when authenticating towards a POP3 server.

```
public enum AuthenticationMethod
```

Members

Member Name	Description
UsernameAndPassword	<p>Authenticate using the UsernameAndPassword method.</p> <p>This will pass the username and password to the server in cleartext.</p> <p>Apop is more secure but might not be supported on a server.</p> <p>This method is not recommended. Use Auto instead.</p> <p>If SSL is used, there is no loss of security by using this authentication method.</p>
Apop	<p>Authenticate using the Authenticated Post Office Protocol method, which is more secure than UsernameAndPassword since it is a request-response protocol where server checks if the client knows a shared secret, which is the password, without the password itself being transmitted.</p> <p>This authentication method uses MD5 under its hood.</p>

	This authentication method is not supported by many servers. Choose this option if you want maximum security.
Auto	This is the recommended method to authenticate with. If Apop is supported by the server, Apop is used for authentication. If Apop is not supported, Auto will fall back to UsernameAndPassword authentication.
CramMd5	Logs in the the POP3 server using CRAM-MD5 authentication scheme. This in essence uses the MD5 hashing algorithm on the user password and a server challenge.

Requirements

Namespace: [OpenPop.Pop3](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Disposable Class

Utility class that simplifies the usage of [IDisposable](#)

For a list of all members of this type, see [Disposable Members](#).

[System.Object](#) **Disposable**
[Pop3Client](#)

```
public abstract class Disposable :  
    IDisposable
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Requirements

Namespace: [OpenPop.Pop3](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[Disposable Members](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Disposable Members

[Disposable overview](#)

Public Instance Methods

 Dispose	Overloaded. Releases unmanaged and - optionally - managed resources
-----------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------

Protected Instance Constructors

 Disposable Constructor	Initializes a new instance of the Disposable class.
--------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------

Protected Instance Properties

 IsDisposed	Returns true if this instance has been disposed of, false otherwise
--------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------

Protected Instance Methods

 AssertDisposed	Used to assert that the object has not been disposed
 Dispose	Overloaded. Releases unmanaged and - optionally - managed resources. Remember to call this method from your derived classes.
 Finalize	Releases unmanaged resources and performs other cleanup operations before the Disposable is reclaimed by garbage collection.

See Also

[Disposable Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Disposable Constructor

Initializes a new instance of the [Disposable](#) class.

```
Disposable\(\);
```

See Also

[Disposable Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Disposable Properties

The properties of the **Disposable** class are listed below. For a complete list of **Disposable** class members, see the [Disposable Members](#) topic.

Protected Instance Properties



[IsDisposed](#)

Returns **true** if this instance has been disposed of, **false** otherwise

See Also

[Disposable Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Disposable.IsDisposed Property

Returns **true** if this instance has been disposed of, **false** otherwise

```
protected bool IsDisposed { protected get; private set; }
```

See Also

[Disposable Class | OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Disposable Methods

The methods of the **Disposable** class are listed below. For a complete list of **Disposable** class members, see the [Disposable Members](#) topic.

Public Instance Methods

 Dispose	Overloaded. Releases unmanaged and - optionally - managed resources
-----------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------

Protected Instance Methods

 AssertDisposed	Used to assert that the object has not been disposed
 Dispose	Overloaded. Releases unmanaged and - optionally - managed resources. Remember to call this method from your derived classes.
 Finalize	Releases unmanaged resources and performs other cleanup operations before the Disposable is reclaimed by garbage collection.

See Also

[Disposable Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Disposable.AssertDisposed Method

Used to assert that the object has not been disposed

```
protected void AssertDisposed();
```

Remarks

The method is to be used by the subclasses in order to provide a simple method for checking the disposal state of the object.

Exceptions

Exception Type	Condition
ObjectDisposedException	Thrown if the object is in a disposed state.

See Also

[Disposable Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Disposable.Dispose Method

Releases unmanaged and - optionally - managed resources

Overload List

Releases unmanaged and - optionally - managed resources

[public void Dispose\(\)](#)

Releases unmanaged and - optionally - managed resources.
Remember to call this method from your derived classes.

[protected virtual void Dispose\(bool\)](#)

See Also

[Disposable Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Disposable.Dispose() Method

Releases unmanaged and - optionally - managed resources

```
public void Dispose();
```

Implements

[IDisposable.Dispose](#)

See Also

[Disposable Class](#) | [OpenPop.Pop3 Namespace](#) |
[Disposable.Dispose Overload List](#)

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OpenPop.NET POP3 Library Documentation

Disposable.Dispose(Boolean) Method

Releases unmanaged and - optionally - managed resources.
Remember to call this method from your derived classes.

```
protected virtual void Dispose(  
    bool disposing  
) ;
```

Parameters

disposing

Set to `true` to release both managed and unmanaged resources.

Set to `false` to release only unmanaged resources.

See Also

[Disposable Class](#) | [OpenPop.Pop3 Namespace](#) |
[Disposable.Dispose Overload List](#)

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OpenPop.NET POP3 Library Documentation

Disposable.Finalize Method

Releases unmanaged resources and performs other cleanup operations before the [Disposable](#) is reclaimed by garbage collection.

```
protected override void Finalize();
```

See Also

[Disposable Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client Class

POP3 compliant POP Client

If you want to override where logging is sent, look at [DefaultLogger](#)

For a list of all members of this type, see [Pop3Client Members](#).

[System.Object](#)

[Disposable](#)

Pop3Client

```
public class Pop3Client : Disposable
```

Thread Safety

Public static (**Shared** in Visual Basic) members of this type are safe for multithreaded operations. Instance members are **not** guaranteed to be thread-safe.

Example

Examples are available on the [project homepage](#).

Requirements

Namespace: [OpenPop.Pop3](#)

Assembly: OpenPop (in OpenPop.dll)

See Also

[Pop3Client Members](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client Members

[Pop3Client overview](#)

Public Instance Constructors

 Pop3Client Constructor	Constructs a new Pop3Client for you to use.
--------------------------------------------------------------------------------------------------------------------------	---------------------------------------------

Public Instance Properties

 ApopSupported	Allows you to check if the server supports the Apop authentication method. This value is filled when the connect method has returned, as the server tells in its welcome message if APOP is supported.
 Connected	Tells whether the Pop3Client is connected to a POP server or not

Public Instance Methods

 Authenticate	Overloaded. Authenticates a user towards the POP server using Auto . If this authentication fails but you are sure that the username and password is correct, it might be that that the POP3 server is wrongly telling the client it supports Apop . You should try using Authenticate while passing UsernameAndPassword to the method.
------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

◆ Capabilities	Asks the server to return its capability listing. This is an optional command, which a server is not enforced to accept.
◆ Connect	Overloaded. Connect to the server using user supplied stream
◆ DeleteAllMessages	Marks all messages as deleted. The messages will not be deleted until a QUIT command is sent to the server. This is done when you call Disconnect or when the Pop3Client is Disposed . The method assumes that no prior message has been marked as deleted, and is not valid to call if this is wrong.
◆ DeleteMessage	Marks the message with the given message number as deleted. The message will not be deleted until a QUIT command is sent to the server. This is done when you call Disconnect or when the Pop3Client is Disposed .
◆ Disconnect	Disconnects from POP3 server. Sends the QUIT command before closing the connection, which deletes all the messages that was marked as such.
◆ Dispose (inherited from	Overloaded. Releases

Disposable)	unmanaged and - optionally - managed resources
◆ GetMessage	Fetches a message from the server and parses it
◆ GetMessageAsBytes	Fetches a message in raw form from the server
◆ GetMessageCount	Get the number of messages on the server using a STAT command
◆ GetMessageHeaders	Get all the headers for a message. The server will not need to send the body of the message.
◆ GetMessageSize	Gets the size in bytes of a single message
◆ GetMessageSizes	Get the sizes in bytes of all the messages. Messages marked as deleted are not listed.
◆ GetMessageUid	Get a unique ID for a single message.
◆ GetMessageUids	Gets a list of unique IDs for all messages. Messages marked as deleted are not listed.
◆ NoOperation	Keep server active by sending a NOOP command. This might keep the server from closing the connection due to inactivity. RFC: The POP3 server does nothing, it merely replies with a positive

	response.
• Reset	<p>Send a reset command to the server.</p> <p>RFC: If any messages have been marked as deleted by the POP3 server, they are unmarked. The POP3 server then replies with a positive response.</p>

Protected Instance Properties

• IsDisposed (inherited from Disposable)	Returns true if this instance has been disposed of, false otherwise
------------------------------------------------------------------	-----------------------------------------------------------------------------------

Protected Instance Methods

• AssertDisposed (inherited from Disposable)	Used to assert that the object has not been disposed
• Dispose	<p>Overloaded. Disposes the Pop3Client.</p> <p>This is the implementation of the IDisposable interface.</p> <p>Sends the QUIT command to the server before closing the streams.</p>
• Finalize (inherited from Disposable)	Releases unmanaged resources and performs other cleanup operations before the Disposable is reclaimed by garbage collection.

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client Constructor

Constructs a new Pop3Client for you to use.

```
Pop3Client\(\);
```

See Also

[Pop3Client Class | OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client Properties

The properties of the **Pop3Client** class are listed below. For a complete list of **Pop3Client** class members, see the [Pop3Client Members](#) topic.

Public Instance Properties

 ApopSupported	Allows you to check if the server supports the Apop authentication method. This value is filled when the connect method has returned, as the server tells in its welcome message if APOP is supported.
 Connected	Tells whether the Pop3Client is connected to a POP server or not

Protected Instance Properties

 IsDisposed (inherited from Disposable)	Returns true if this instance has been disposed of, false otherwise
-------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client.ApopSupported Property

Allows you to check if the server supports the [Apop](#) authentication method.

This value is filled when the connect method has returned, as the server tells in its welcome message if APOP is supported.

```
public bool ApopSupported { public get; private set; }
```

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client.Connected Property

Tells whether the [Pop3Client](#) is connected to a POP server or not

```
public bool Connected { public get; private set; }
```

See Also

[Pop3Client Class | OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client Methods

The methods of the **Pop3Client** class are listed below. For a complete list of **Pop3Client** class members, see the [Pop3Client Members](#) topic.

Public Instance Methods

❖ Authenticate	Overloaded. Authenticates a user towards the POP server using Auto . If this authentication fails but you are sure that the username and password is correct, it might be that that the POP3 server is wrongly telling the client it supports Apop . You should try using Authenticate while passing UsernameAndPassword to the method.
❖ Capabilities	Asks the server to return it's capability listing. This is an optional command, which a server is not enforced to accept.
❖ Connect	Overloaded. Connect to the server using user supplied stream
❖ DeleteAllMessages	Marks all messages as deleted. The messages will not be deleted until a QUIT command is sent to the server. This is done when you call Disconnect or when the Pop3Client is Disposed . The method assumes that no

	prior message has been marked as deleted, and is not valid to call if this is wrong.
◆ DeleteMessage	Marks the message with the given message number as deleted. The message will not be deleted until a QUIT command is sent to the server. This is done when you call Disconnect or when the Pop3Client is Disposed .
◆ Disconnect	Disconnects from POP3 server. Sends the QUIT command before closing the connection, which deletes all the messages that was marked as such.
◆ Dispose (inherited from Disposable)	Overloaded. Releases unmanaged and - optionally - managed resources
◆ GetMessage	Fetches a message from the server and parses it
◆ GetMessageAsBytes	Fetches a message in raw form from the server
◆ GetMessageCount	Get the number of messages on the server using a STAT command
◆ GetMessageHeaders	Get all the headers for a message. The server will not need to send the body of the message.
◆ GetMessageSize	Gets the size in bytes of a single message

 GetMessageSizes	Get the sizes in bytes of all the messages. Messages marked as deleted are not listed.
 GetMessageUid	Get a unique ID for a single message.
 GetMessageUids	Gets a list of unique IDs for all messages. Messages marked as deleted are not listed.
 NoOperation	Keep server active by sending a NOOP command. This might keep the server from closing the connection due to inactivity. RFC: The POP3 server does nothing, it merely replies with a positive response.
 Reset	Send a reset command to the server. RFC: If any messages have been marked as deleted by the POP3 server, they are unmarked. The POP3 server then replies with a positive response.

Protected Instance Methods

 AssertDisposed (inherited from Disposable)	Used to assert that the object has not been disposed
 Dispose	Overloaded. Disposes the Pop3Client . This is the implementation of

	<p>the IDisposable interface. Sends the QUIT command to the server before closing the streams.</p>
◆ Finalize (inherited from Disposable)	Releases unmanaged resources and performs other cleanup operations before the Disposable is reclaimed by garbage collection.

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client.Authenticate Method

Authenticates a user towards the POP server using [Auto](#).

If this authentication fails but you are sure that the username and password is correct, it might be that that the POP3 server is wrongly telling the client it supports [Apop](#). You should try using [Authenticate](#) while passing [UsernameAndPassword](#) to the method.

Overload List

Authenticates a user towards the POP server using [Auto](#).

If this authentication fails but you are sure that the username and password is correct, it might be that that the POP3 server is wrongly telling the client it supports [Apop](#). You should try using [Authenticate](#) while passing [UsernameAndPassword](#) to the method.

[`public void Authenticate\(string,string\)`](#)

Authenticates a user towards the POP server using some [AuthenticationMethod](#).

[`public void Authenticate\(string,string,AuthenticationMethod\)`](#)

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client.Authenticate(String, String) Method

Authenticates a user towards the POP server using [Auto](#).

If this authentication fails but you are sure that the username and password is correct, it might be that that the POP3 server is wrongly telling the client it supports [Apop](#). You should try using [Authenticate](#) while passing [UsernameAndPassword](#) to the method.

```
public void Authenticate(  
    string username,  
    string password  
) ;
```

Parameters

username

The username

password

The user password

Exceptions

Exception Type	Condition
InvalidLoginException	If the user credentials was not accepted
PopServerLockedException	If the server said the the mailbox was locked
ArgumentNullException	If <i>username</i> or <i>password</i> is a null reference
LoginDelayException	If the server rejects the login because of too recent logins

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#) |
[Pop3Client.Authenticate Overload List](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client.Authenticate(String, String, AuthenticationMethod) Method

Authenticates a user towards the POP server using some [AuthenticationMethod](#).

```
public void Authenticate(  
    string username,  
    string password,  
    AuthenticationMethod authenticationMethod  
) ;
```

Parameters

username

The username

password

The user password

authenticationMethod

The way that the client should authenticate towards the server

Exceptions

Exception Type	Condition
NotSupportedException	If Apop is used, but not supported by the server
InvalidLoginException	If the user credentials was not accepted
PopServerLockedException	If the server said the the mailbox was locked
ArgumentNullException	If <i>username</i> or <i>password</i> is a null reference
LoginDelayException	If the server rejects the login because of too recent logins

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#) |
[Pop3Client.Authenticate Overload List](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client.Capabilities Method

Asks the server to return it's capability listing.

This is an optional command, which a server is not enforced to accept.

```
public Dictionary<string,  
List<string>> Capabilities();
```

Return Value

The returned Dictionary keys are the capability names.

The Lists pointed to are the capability parameters fitting that certain capability name. See [RFC section 6](#) for explanation for some of the capabilities.

Remarks

Capabilities are case-insensitive.

The dictionary uses case-insensitive searching, but the Lists inside does not. Therefore you will have to use something like the code below to search for a capability parameter.

foo is the capability name and bar is the capability parameter.

```
List<string> arguments = capabilities["foo"];  
bool contains = null != arguments.Find(delegate(string str)  
{  
    return String.Compare(str, "bar", true);  
});
```

If we were running on .NET framework >= 3.5, a HashSet could have been used.

Exceptions

Exception Type	Condition
PopServerException	If the server did not accept the capability command

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client.Connect Method

Connect to the server using user supplied stream

Overload List

Connect to the server using user supplied stream

[public void Connect\(Stream\)](#)

Connects to a remote POP3 server using default timeouts of 60.000 milliseconds

[public void Connect\(string,int,bool\)](#)

Connects to a remote POP3 server

[public void Connect\(string,int,bool,int,int,RemoteCertificateValidation\)](#)

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client.Connect(Stream) Method

Connect to the server using user supplied stream

```
public void Connect(  
    Stream stream  
) ;
```

Parameters

stream

The stream used to communicate with the server

Exceptions

Exception Type	Condition
ArgumentNullException	If <i>stream</i> is a null reference

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#) |
[Pop3Client.Connect Overload List](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client.Connect(String, Int32, Boolean) Method

Connects to a remote POP3 server using default timeouts of 60.000 milliseconds

```
public void Connect(  
    string hostname,  
    int port,  
    bool useSsl  
) ;
```

Parameters

hostname

The *hostname* of the POP3 server

port

The port of the POP3 server

useSsl

true if SSL should be used. **false** if plain TCP should be used.

Exceptions

Exception Type	Condition
PopServerNotAvailableException	If the server did not send an OK message when a connection was established
PopServerNotFoundException	If it was not possible to connect to the server
ArgumentNullException	If <i>hostname</i> is a null reference
ArgumentOutOfRangeException	If port is not in the range [MinPort , MaxPort]

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#) |
[Pop3Client.Connect Overload List](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client.Connect(String, Int32, Boolean, Int32, Int32, RemoteCertificateValidationCallback) Method

Connects to a remote POP3 server

```
public void Connect(
    string hostname,
    int port,
    bool useSsl,
    int receiveTimeout,
    int sendTimeout,
    RemoteCertificateValidationCallback certificateValidator);
}
```

Parameters

hostname

The *hostname* of the POP3 server

port

The port of the POP3 server

useSsl

true if SSL should be used. **false** if plain TCP should be used.

receiveTimeout

Timeout in milliseconds before a socket should time out from reading. Set to 0 or -1 to specify infinite timeout.

sendTimeout

Timeout in milliseconds before a socket should time out from sending. Set to 0 or -1 to specify infinite timeout.

certificateValidator

If you want to validate the certificate in a SSL connection, pass a reference to your validator. Supply a null reference if default should be used.

Exceptions

Exception Type	Condition

PopServerNotAvailableException	If the server did not send an OK message when a connection was established
PopServerNotFoundException	If it was not possible to connect to the server
ArgumentNullException	If <i>hostname</i> is a null reference
ArgumentOutOfRangeException	If port is not in the range [MinPort , MaxPort] or if any of the timeouts is less than -1.

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#) |
[Pop3Client.Connect Overload List](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client.DeleteAllMessages Method

Marks all messages as deleted.

The messages will not be deleted until a QUIT command is sent to the server.

This is done when you call [Disconnect](#) or when the Pop3Client is [Disposed](#).

The method assumes that no prior message has been marked as deleted, and is not valid to call if this is wrong.

```
public void DeleteAllMessages();
```

Exceptions

Exception Type	Condition
PopServerException	If the server did not accept one of the delete commands. All prior marked messages will still be marked.

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client.DeleteMessage Method

Marks the message with the given message number as deleted.

The message will not be deleted until a QUIT command is sent to the server.

This is done when you call [Disconnect](#) or when the Pop3Client is [Disposed](#).

```
public void DeleteMessage(  
    int messageNumber  
) ;
```

Parameters

messageNumber

The number of the message to be deleted. This message may not already have been deleted.

The *messageNumber* must be inside the range [1, *messageCount*]

Exceptions

Exception Type	Condition
PopServerException	If the server did not accept the delete command

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client.Disconnect Method

Disconnects from POP3 server. Sends the QUIT command before closing the connection, which deletes all the messages that was marked as such.

```
public void Disconnect();
```

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client.Dispose Method

Disposes the [Pop3Client](#).

This is the implementation of the [IDisposable](#) interface.

Sends the QUIT command to the server before closing the streams.

Overload List

Inherited from [Disposable](#).

[public void Dispose\(\)](#)

Disposes the [Pop3Client](#).

This is the implementation of the [IDisposable](#) interface.

Sends the QUIT command to the server before closing the streams.

[protected override void Dispose\(bool\)](#)

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client.Dispose(Boolean) Method

Disposes the [Pop3Client](#).

This is the implementation of the [IDisposable](#) interface.

Sends the QUIT command to the server before closing the streams.

```
protected override void Dispose(  
    bool disposing  
) ;
```

Parameters

disposing

true if managed and unmanaged code should be disposed, **false** if only managed code should be disposed

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#) |

[Pop3Client.Dispose Overload List](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client GetMessage Method

Fetches a message from the server and parses it

```
public Message GetMessage(  
    int messageNumber  
);
```

Parameters

messageNumber

Message number on server, which may not be marked as deleted.

Must be inside the range [1, messageCount]

Return Value

The message, containing the email message

Exceptions

Exception Type	Condition
PopServerException	If the server did not accept the command sent to fetch the message

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client GetMessageAsBytes Method

Fetches a message in raw form from the server

```
public byte[] GetMessageAsBytes(  
    int messageNumber  
);
```

Parameters

messageNumber

Message number on server, which may not be marked as deleted.

Must be inside the range [1, messageCount]

Return Value

The raw bytes of the message

Exceptions

Exception Type	Condition
PopServerException	If the server did not accept the command sent to fetch the message

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client GetMessageCount Method

Get the number of messages on the server using a STAT command

```
public int GetMessageCount();
```

Return Value

The message count on the server

Exceptions

Exception Type	Condition
PopServerException	If the server did not accept the STAT command

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client GetMessageHeaders Method

Get all the headers for a message.

The server will not need to send the body of the message.

```
public MessageHeader GetMessageHeaders(  
    int messageNumber  
) ;
```

Parameters

messageNumber

Message number, which may not be marked as deleted.

Must be inside the range [1, messageCount]

Return Value

MessageHeaders object

Exceptions

Exception Type	Condition
PopServerException	If the server did not accept the command sent to fetch the message

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client.GetMessageSize Method

Gets the size in bytes of a single message

```
public int GetMessageSize(  
    int messageNumber  
) ;
```

Parameters

messageNumber

The number of a message which may not be a message marked as deleted.

The *messageNumber* must be inside the range [1, *messageCount*]

Return Value

Size of the message

Exceptions

Exception Type	Condition
PopServerException	If the server did not accept the LIST command

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client.GetMessageSizes Method

Get the sizes in bytes of all the messages.
Messages marked as deleted are not listed.

```
public List<int> GetMessageSizes();
```

Return Value

Size of each message excluding deleted ones

Exceptions

Exception Type	Condition
PopServerException	If the server did not accept the LIST command

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

[Send comments on this topic.](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client.GetMessageUid Method

Get a unique ID for a single message.

```
public string GetMessageUid(  
    int messageNumber  
) ;
```

Parameters

messageNumber

Message number, which may not be marked as deleted.

The *messageNumber* must be inside the range [1, *messageCount*]

Return Value

The unique ID for the message

Exceptions

Exception Type	Condition
PopServerException	If the server did not accept the UIDL command. This could happen if the <i>messageNumber</i> does not exist

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client GetMessageUids Method

Gets a list of unique IDs for all messages.
Messages marked as deleted are not listed.

```
public List<string> GetMessageUids();
```

Return Value

A list containing the unique IDs in sorted order from message number 1 and upwards.

Exceptions

Exception Type	Condition
PopServerException	If the server did not accept the UIDL command

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

Pop3Client.NoOperation Method

Keep server active by sending a NOOP command.
This might keep the server from closing the connection due to inactivity.

RFC:

The POP3 server does nothing, it merely replies with a positive response.

```
public void NoOperation();
```

Exceptions

Exception Type	Condition
PopServerException	If the server did not accept the NOOP command

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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Pop3Client.Reset Method

Send a reset command to the server.

RFC:

If any messages have been marked as deleted by the POP3 server, they are unmarked. The POP3 server then replies with a positive response.

```
public void Reset();
```

Exceptions

Exception Type	Condition
PopServerException	If the server did not accept the RSET command

See Also

[Pop3Client Class](#) | [OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

OpenPop.Common.Logging Hierarchy

[Object](#)

[DefaultLogger](#)

[DiagnosticsLogger](#) ---- [ILog](#)

[FileLogger](#) ---- [ILog](#)

[ILog](#)

See Also

[OpenPop.Common.Logging Namespace](#)

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OpenPop.NET POP3 Library Documentation

OpenPop.Mime Hierarchy

[Object](#)

[Message](#)

[MessagePart](#)

See Also

[OpenPop.Mime Namespace](#)

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OpenPop.NET POP3 Library Documentation

OpenPop.Mime.Decode Hierarchy

[Object](#)

[EncodingFinder](#)

[Delegate](#) ---- [ICloneable](#), [ISerializable](#)

[MulticastDelegate](#)

[EncodingFinder.FallbackDecoderDelegate](#)

See Also

[OpenPop.Mime.Decode Namespace](#)

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OpenPop.NET POP3 Library Documentation

OpenPop.Mime.Header Hierarchy

[Object](#)

[MessageHeader](#)

[Received](#)

[RfcMailAddress](#)

[ValueType](#)

[Enum](#) ---- [IComparable](#), [IConvertible](#), [IFormattable](#)

[ContentTransferEncoding](#)

See Also

[OpenPop.Mime.Header Namespace](#)

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OpenPop.NET POP3 Library Documentation

OpenPop.Mime.Traverse Hierarchy

Object

[AnswerMessageTraverser\(TAnswer\)](#) -----

[IAnswerMessageTraverser\(TAnswer\)](#)

[MultipleMessagePartFinder](#)

[IAnswerMessageTraverser\(TAnswer\)](#)

[IQuestionAnswerMessageTraverser\(TQuestion,TAnswer\)](#)

See Also

[OpenPop.Mime.Traverse Namespace](#)

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OpenPop.NET POP3 Library Documentation

OpenPop.Pop3 Hierarchy

[Object](#)

[Disposable](#) ---- [IDisposable](#)

[Pop3Client](#)

[ValueType](#)

[Enum](#) ---- [IComparable](#), [IConvertible](#), [IFormattable](#)

[AuthenticationMethod](#)

See Also

[OpenPop.Pop3 Namespace](#)

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OpenPop.NET POP3 Library Documentation

OpenPop.Pop3.Exceptions Hierarchy

[Object](#)

[Exception](#) ---- [ISerializable](#)

[PopClientException](#)

[InvalidOperationException](#)

[InvalidOperationException](#)

[LoginDelayException](#)

[PopServerException](#)

[PopServerLockedException](#)

[PopServerNotAvailableException](#)

[PopServerNotFoundException](#)

See Also

[OpenPop.Pop3.Exceptions Namespace](#)

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OpenPop.NET POP3 Library Documentation

PopClientException Hierarchy

[System.Object](#)

PopClientException

[InvalidOperationException](#)

[InvalidUseException](#)

[LoginDelayException](#)

[PopServerException](#)

[PopServerLockedException](#)

[PopServerNotAvailableException](#)

[PopServerNotFoundException](#)

See Also

[PopClientException Class](#) | [PopClientException Members](#) |
[OpenPop.Pop3.Exceptions Namespace](#)

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