
























Classes

	Class	Description
	ArgumentsEventArgs	Is returned alongside an instance of the ArgumentsReceived event.
	FtpHandler	Allow the user to select a target on an FTP server, be it a directory or a file, and request or query on it.
	FtpOptions	Represent the options used for an FTP request.
	FtpProgress	Represent the minute details of the progress of a download or upload.
	FtpRemoteItem	Describe a path to an FTP element, weither it be a directory or a file. Actions can be taken on it's target.
	HttpContextEventArgs	Represent some informations related to newly received http context.
	HttpErrorEventArgs	Represent some informations related to an error while receiving http contexts.
	HttpServerHandler	Represent a simple HTTP server.
	ProgressMonitorBase	This class is used when downloading or uploading an FTP file, and must be inherited to be of use.
	SingleInstance	Allow the user to check if their application run on a single instance, on the local machine.
	SslHelper	This class helps with the creation, obtention and removal of self-signed SSL Certificates.
	TcpClientHandler	Represent a TCP client, to connect to a server.
	TcpClientInfo	Represent and manage the informations of a client, such as receiving, parsing and sending data.
	TcpErrorEventArgs	Represent some informations related to an error while reading messages.
	TcpEventArgs	Represent some generic informations related to a TCP event.
	TcpFragment	Represent a portion of one TCP message.
	TcpFragmentReceivedEventArgs	Represent the informations sent with the ReceivedFragment event.
	TcpReceivedEventArgs	Represent the informations sent with the ReceivedFull event.
	TcpServerHandler	Represent a TCP server, accepting clients.
	TcpSslValidateEventArgs	Represent the informations related to the validation of a client's SSL connection.
	ThreadSafeHelper	Represent an helper class for thread safety. This one is static and only deal with string keys.

	ThreadSafeHelper T	Represent an helper class for thread safety. It accept equatable keys, such as int, byte, string, etc.
	UdpHandler	Create an UDP client, for listening and sending packets.
	UdpPacketReceivedEventArgs	This object is used to represent the message received from an UDP client.

Interfaces

	Interface	Description
	ITcpHandler	Represent the interface both the TCP server and TCP client must adhere to.

[Send Feedback](#) on this topic.

Is returned alongside an instance of the ArgumentsReceived event.

Inheritance Hierarchy

 [System.Object](#)  [System.EventArgs](#)

AltarNet ArgumentsEventArgs

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public class ArgumentsEventArgs : EventArgs
```

See Also

[ArgumentsEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.







The [ArgumentsEventArgs](#) type exposes the following members.

Constructors

	Name	Description
	ArgumentsEventArgs	Create an ArgumentsEventArgs.


[Back to Top](#)

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)

[Back to Top](#)

Fields

	Name	Description
	Args	The arguments sent from the non-unique instance.

[Back to Top](#)

See Also

[ArgumentsEventArgs Class](#)

[AltarNet Namespace](#)

Create an ArgumentsEventArgs.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public ArgumentsEventArgs(  
    string[] args  
)
```

Parameters

args

Type:  [System String](#)

The arguments

See Also

[ArgumentsEventArgs Class](#)


[ArgumentsEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [ArgumentsEventArgs](#) type exposes the following members.

Fields

	Name	Description
	Args	The arguments sent from the non-unique instance.

[Back to Top](#)

See Also

[ArgumentsEventArgs Class](#)

[AltarNet Namespace](#)

Send [Feedback](#) on this topic.

The arguments sent from the non-unique instance.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public readonly string[] Args
```

Field Value

Type:  [String](#)

See Also

[ArgumentsEventArgs Class](#)























[ArgumentsEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [ArgumentsEventArgs](#) type exposes the following members.

Methods

	Name	Description
	 Equals	Determines whether the specified  Object is equal to the current  Object . (Inherited from  Object .)
	 Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from  Object .)
	 GetHashCode	Serves as a hash function for a particular type. (Inherited from  Object .)
	 GetType	Gets the  Type of the current instance. (Inherited from  Object .)
	 MemberwiseClone	Creates a shallow copy of the current  Object . (Inherited from  Object .)
	 ToString	Returns a string that represents the current object. (Inherited from  Object .)

[Back to Top](#)

See Also

[ArgumentsEventArgs Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Allow the user to select a target on an FTP server, be it a directory or a file, and request or query on it.

Inheritance Hierarchy

 [System Object](#) **AltarNet FtpHandler**

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public class FtpHandler
```

See Also

[FtpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [FtpHandler](#) type exposes the following members.

Constructors

	Name	Description
🔗	FtpHandler(FtpOptions)	Create an FTP Handler, with options.
🔗	FtpHandler(String, NetworkCredential, FtpOptions)	Create an FTP Handler, with credentials and options.
🔗	FtpHandler(String, String, String, FtpOptions)	Create an FTP Handler, with credentials and options.

[Back to Top](#)

Methods

	Name	Description
🔗	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
💡	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
🔗	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
🔗	GetType	Gets the Type of the current instance. (Inherited from Object .)
💡	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
🔗	Select	Create and return a subitem with the given path, with a Target value which ends up being 'HostName + "/" + remotePath'.
🔗	TestCredentials(FtpOptions)	Query a test on the FTP server to see if the credentials are accepted.
🔗	TestCredentials(CancellationTokens, FtpOptions)	Query a test on the FTP server to see if the credentials are accepted.
🔗	ToString	Returns a string that represents the current object. (Inherited from Object .)


[Back to Top](#)

Fields

	Name	Description
🔗	Options	Get the global options that will, if not overridden, be used for each requests.

[Back to Top](#)

Properties

	Name	Description
	OnMakeRequest	Allow the user to customize a request before it is used.

[Back to Top](#)




See Also

[FtpHandler Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Overload List

	Name	Description
	FtpHandler(FtpOptions)	Create an FTP Handler, with options.
	FtpHandler(String, NetworkCredential, FtpOptions)	Create an FTP Handler, with credentials and options.
	FtpHandler(String, String, String, FtpOptions)	Create an FTP Handler, with credentials and options.

[Back to Top](#)

See Also

[FtpHandler Class](#)

[FtpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Create an FTP Handler, with options.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public FtpHandler(  
    FtpOptions options = null  
)
```

Parameters

options (Optional)

Type: [AltarNet FtpOptions](#)

The options

See Also

[FtpHandler Class](#)

[FtpHandler Members](#)

[FtpHandler Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpHandler Constructor (String, NetworkCredential, FtpOptions)

AltarNet3 -
TCP/UDP/FTP Library

Create an FTP Handler, with credentials and options.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public FtpHandler(  
    string host,  
    NetworkCredential creds = null,  
    FtpOptions options = null  
)
```

Parameters

host

Type:  [System String](#)

The host. example : "ftp://myhost.com"

creds (Optional)

Type:  [System.Net NetworkCredential](#)

The credentials

options (Optional)

Type: [AltarNet FtpOptions](#)

The options

See Also

[FtpHandler Class](#)

[FtpHandler Members](#)

[FtpHandler Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpHandler Constructor (String, String, String, FtpOptions)

AltarNet3 -
TCP/UDP/FTP Library

Create an FTP Handler, with credentials and options.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public FtpHandler(  
    string host,  
    string user = null,  
    string pass = null,  
    FtpOptions options = null  
)
```

Parameters

host

Type:  [System String](#)

The host. example : "ftp://myhost.com"

user (Optional)

Type:  [System String](#)

The username for the credentials

pass (Optional)

Type:  [System String](#)

The password for the credentials

options (Optional)

Type: [AltarNet FtpOptions](#)

The options

See Also

[FtpHandler Class](#)

[FtpHandler Members](#)


[FtpHandler Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [FtpHandler](#) type exposes the following members.

Fields

	Name	Description
	Options	Get the global options that will, if not overridden, be used for each requests.

[Back to Top](#)

See Also

[FtpHandler Class](#)

[AltarNet Namespace](#)

Send [Feedback](#) on this topic.

Get the global options that will, if not overridden, be used for each requests.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public readonly FtpOptions Options
```

Field Value

Type: [FtpOptions](#)

See Also

[FtpHandler Class](#)


























[FtpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [FtpHandler](#) type exposes the following members.

Methods

	Name	Description
	 Equals	Determines whether the specified  Object is equal to the current  Object . (Inherited from  Object .)
	 Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from  Object .)
	 GetHashCode	Serves as a hash function for a particular type. (Inherited from  Object .)
	 GetType	Gets the  Type of the current instance. (Inherited from  Object .)
	 MemberwiseClone	Creates a shallow copy of the current  Object . (Inherited from  Object .)
	Select	Create and return a subitem with the given path, with a Target value which ends up being 'HostName + "/" + remotePath'.
	TestCredentials(FtpOptions)	Query a test on the FTP server to see if the credentials are accepted.
	TestCredentials(CancellationTok en, FtpOptions)	Query a test on the FTP server to see if the credentials are accepted.
	 ToString	Returns a string that represents the current object. (Inherited from  Object .)

[Back to Top](#)

See Also

[FtpHandler Class](#)

[AltarNet Namespace](#)

Send [Feedback](#) on this topic.

Create and return a subitem with the given path, with a Target value which ends up being 'HostName + "/" + remotePath'.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public FtpRemoteItem Select(  
    string remotePath = null  
)
```

Parameters

remotePath (Optional)

Type:  [System String](#)

The target for the new subitem

Return Value

Type: [FtpRemoteItem](#)

The subitem

See Also



[FtpHandler Class](#)

[FtpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Overload List

	Name	Description
	TestCredentials(FtpOptions)	Query a test on the FTP server to see if the credentials are accepted.
	TestCredentials(CancellationToken, FtpOptions)	Query a test on the FTP server to see if the credentials are accepted.

[Back to Top](#)

See Also

[FtpHandler Class](#)

[FtpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpHandler TestCredentials Method (FtpOptions)

AltarNet3 - TCP/UDP/FTP
Library

Query a test on the FTP server to see if the credentials are accepted.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task<bool> TestCredentials(  
    FtpOptions options = null  
)
```

Parameters

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [Boolean](#)

True if successful, false otherwise

See Also

[FtpHandler Class](#)

[FtpHandler Members](#)

[TestCredentials Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpHandler TestCredentials Method (CancellationToken, FtpOptions)

AltarNet3 -
TCP/UDP/FTP Library

Query a test on the FTP server to see if the credentials are accepted.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task<bool> TestCredentials(  
    CancellationToken cancelToken,  
    FtpOptions options = null  
)
```

Parameters

cancelToken

Type:  [System.Threading CancellationTok*en*](#)

The token to cancel the query

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [Boolean](#)

True if successful, false otherwise

See Also

[FtpHandler Class](#)

[FtpHandler Members](#)


[TestCredentials Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [FtpHandler](#) type exposes the following members.

Properties

	Name	Description
	OnMakeRequest	Allow the user to customize a request before it is used.

[Back to Top](#)

See Also

[FtpHandler Class](#)

[AltarNet Namespace](#)

Send [Feedback](#) on this topic.

FtpHandler OnMakeRequest Property

AltarNet3 - TCP/UDP/FTP Library

Allow the user to customize a request before it is used.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public Action<FtpWebRequest> OnMakeRequest { get; set; }
```

Property Value

Type:  [Action](#)  [FtpWebRequest](#)

See Also

[FtpHandler Class](#)

[FtpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Represent the options used for an FTP request.

Inheritance Hierarchy

 [System.Object](#) **AltarNet.FtpOptions**

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public class FtpOptions : ICloneable
```

See Also


[FtpOptions Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.








The [FtpOptions](#) type exposes the following members.

Constructors

	Name	Description
	FtpOptions	Create an FtpOptions.



[Back to Top](#)

Methods

	Name	Description
	Clone	Do a shallow copy of these options.
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)


[Back to Top](#)









Fields

	Name	Description
	DefaultBufferSize	The default buffer size, used when downloading or uploading a file. Default is 4096.
	DefaultConnLimit	The default connections limit.

[Back to Top](#)

Properties

	Name	Description
	BufferSize	Get or set the buffer size, used when downloading or uploading a file.

	ConnectionsLimit	Get or set the quantity of concurrent connections that can be made.
	Credentials	Get or set the credentials.
	GroupName	Get or set the Connection Group Name, best used with KeepAlive activated.
	HostName	Get or set the hostname, like "ftp://myhost.com".
	KeepAlive	Get or set if the request shall close or not at the end.
	Proxy	Get or set the proxy.
	UseBinary	Get or set if the request shall be in binary or ASCII, during downloads or uploads. Defaulted to true.
	UsePassive	Get or set if the request shall be passive or not.

[Back to Top](#)

See Also

[FtpOptions Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Create an FtpOptions.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public FtpOptions()
```

See Also

[FtpOptions Class](#)



[FtpOptions Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [FtpOptions](#) type exposes the following members.

Fields

	Name	Description
	DefaultBufferSize	The default buffer size, used when downloading or uploading a file. Default is 4096.
	DefaultConnLimit	The default connections limit.

[Back to Top](#)

See Also

[FtpOptions Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The default buffer size, used when downloading or uploading a file. Default is 4096.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)


Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public const int DefaultBufferSize
```

Field Value

Type:  [Int32](#)

See Also

[FtpOptions Class](#)

[FtpOptions Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The default connections limit.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)


Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public const int DefaultConnLimit
```

Field Value

Type:  [Int32](#)

See Also

[FtpOptions Class](#)








[FtpOptions Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [FtpOptions](#) type exposes the following members.

Methods

	Name	Description
	Clone	Do a shallow copy of these options.
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)

[Back to Top](#)

See Also

[FtpOptions Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Do a shallow copy of these options.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public FtpOptions Clone()
```

Return Value

Type: [FtpOptions](#)

The copy.

See Also

[FtpOptions Class](#)










[FtpOptions Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [FtpOptions](#) type exposes the following members.

Properties

	Name	Description
	BufferSize	Get or set the buffer size, used when downloading or uploading a file.
	ConnectionsLimit	Get or set the quantity of concurrent connections that can be made.
	Credentials	Get or set the credentials.
	GroupName	Get or set the Connection Group Name, best used with KeepAlive activated.
	HostName	Get or set the hostname, like "ftp://myhost.com".
	KeepAlive	Get or set if the request shall close or not at the end.
	Proxy	Get or set the proxy.
	UseBinary	Get or set if the request shall be in binary or ASCII, during downloads or uploads. Defaulted to true.
	UsePassive	Get or set if the request shall be passive or not.

[Back to Top](#)

See Also

[FtpOptions Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get or set the buffer size, used when downloading or uploading a file.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public int BufferSize { get; set; }
```

Property Value

Type:  [Int32](#)

See Also

[FtpOptions Class](#)

[FtpOptions Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpOptions ConnectionsLimit Property

AltarNet3 - TCP/UDP/FTP
Library

Get or set the quantity of concurrent connections that can be made.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public int ConnectionsLimit { get; set; }
```

Property Value

Type:  [Int32](#)

See Also

[FtpOptions Class](#)

[FtpOptions Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get or set the credentials.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public NetworkCredential Credentials { get; set; }
```

Property Value

Type:  [NetworkCredential](#)

See Also

[FtpOptions Class](#)

[FtpOptions Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get or set the Connection Group Name, best used with KeepAlive activated.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public string GroupName { get; set; }
```

Property Value

Type:  [String](#)

See Also

[FtpOptions Class](#)

[FtpOptions Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get or set the hostname, like "ftp://myhost.com".

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public string HostName { get; set; }
```

Property Value

Type:  [String](#)

See Also

[FtpOptions Class](#)

[FtpOptions Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get or set if the request shall close or not at the end.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

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```
public bool KeepAlive { get; set; }
```

Property Value

Type:  [Boolean](#)

See Also

[FtpOptions Class](#)

[FtpOptions Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get or set the proxy.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

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```
public IWebProxy Proxy { get; set; }
```

Property Value

Type:  [IWebProxy](#)

See Also

[FtpOptions Class](#)

[FtpOptions Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get or set if the request shall be in binary or ASCII, during downloads or uploads.
Defaulted to true.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public bool UseBinary { get; set; }
```

Property Value

Type:  [Boolean](#)

See Also

[FtpOptions Class](#)

[FtpOptions Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get or set if the request shall be passive or not.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public bool UsePassive { get; set; }
```

Property Value

Type:  [Boolean](#)

See Also

[FtpOptions Class](#)

[FtpOptions Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Represent the minute details of the progress of a download or upload.

Inheritance Hierarchy

 [System.Object](#) **AltarNet.FtpProgress**

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# [VB](#) [C++](#) [F#](#)

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```
public class FtpProgress
```

See Also


[FtpProgress Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.
























The [FtpProgress](#) type exposes the following members.

Constructors

	Name	Description
	FtpProgress	Create an FtpProgress, with the download / upload length in bytes.


[Back to Top](#)

Methods

	Name	Description
	 Equals	Determines whether the specified  Object is equal to the current  Object . (Inherited from  Object .)
	 Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from  Object .)
	 GetHashCode	Serves as a hash function for a particular type. (Inherited from  Object .)
	 GetType	Gets the  Type of the current instance. (Inherited from  Object .)
	 MemberwiseClone	Creates a shallow copy of the current  Object . (Inherited from  Object .)
	Percent	Return the percent done of the current download / upload.
	 ToString	Returns a string that represents the current object. (Inherited from  Object .)



[Back to Top](#)

Fields

	Name	Description
	TotalLength	Get the total length in bytes of the download / upload

[Back to Top](#)

Properties

	Name	Description
	BytesPerSecond	When BytesPerSecondUpdated isn't null, get the transfert speed in bytes per second.
	CurrentCount	Get the current amount of bytes that has been processed.




[IsCompleted](#)

Get the completion state of the current progress.

[Back to Top](#)

Events

	Name	Description
	BytesPerSecondUpdated	The event is called every second, updating the BytesPerSecond property with the current transfert rate.

[Back to Top](#)

See Also

[FtpProgress Class](#)

[Altarnet Namespace](#)

[Send Feedback](#) on this topic.

Create an FtpProgress, with the download / upload length in bytes.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public FtpProgress (  
    long len  
)
```

Parameters

len

Type:  [System Int64](#)

The total length in bytes of the download / upload

See Also

[FtpProgress Class](#)


[FtpProgress Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [FtpProgress](#) type exposes the following members.

Fields

	Name	Description
	TotalLength	Get the total length in bytes of the download / upload

[Back to Top](#)

See Also

[FtpProgress Class](#)

[AltarNet Namespace](#)

Send [Feedback](#) on this topic.

Get the total length in bytes of the download / upload

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public readonly long TotalLength
```

Field Value

Type:  [Int64](#)

See Also

[FtpProgress Class](#)
























[FtpProgress Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [FtpProgress](#) type exposes the following members.

Methods

	Name	Description
	 Equals	Determines whether the specified  Object is equal to the current  Object . (Inherited from  Object .)
	 Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from  Object .)
	 GetHashCode	Serves as a hash function for a particular type. (Inherited from  Object .)
	 GetType	Gets the  Type of the current instance. (Inherited from  Object .)
	 MemberwiseClone	Creates a shallow copy of the current  Object . (Inherited from  Object .)
	Percent	Return the percent done of the current download / upload.
	 ToString	Returns a string that represents the current object. (Inherited from  Object .)

[Back to Top](#)

See Also

[FtpProgress Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Return the percent done of the current download / upload.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public int Percent()
```

Return Value

Type:  [Int32](#)

The percent, or -1 if TotalLength is -1.

See Also

[FtpProgress Class](#)




[FtpProgress Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [FtpProgress](#) type exposes the following members.

Properties

	Name	Description
	BytesPerSecond	When BytesPerSecondUpdated isn't null, get the transfert speed in bytes per second.
	CurrentCount	Get the current amount of bytes that has been processed.
	IsCompleted	Get the completion state of the current progress.

[Back to Top](#)

See Also

[FtpProgress Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpProgress BytesPerSecond Property

AltarNet3 - TCP/UDP/FTP Library

When BytesPerSecondUpdated isn't null, get the transfert speed in bytes per second.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public long BytesPerSecond { get; private set; }
```

Property Value

Type:  [Int64](#)

See Also

[FtpProgress Class](#)

[FtpProgress Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get the current amount of bytes that has been processed.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public long CurrentCount { get; internal set; }
```

Property Value

Type:  [Int64](#)

See Also

[FtpProgress Class](#)

[FtpProgress Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get the completion state of the current progress.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public bool IsCompleted { get; }
```

Property Value

Type:  [Boolean](#)

See Also

[FtpProgress Class](#)


[FtpProgress Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [FtpProgress](#) type exposes the following members.

Events

	Name	Description
	BytesPerSecondUpdated	The event is called every second, updating the BytesPerSecond property with the current transfert rate.

[Back to Top](#)

See Also

[FtpProgress Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpProgress BytesPerSecondUpdated Event

AltarNet3 - TCP/UDP/FTP
Library

The event is called every second, updating the BytesPerSecond property with the current transfert rate.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public event EventHandler BytesPerSecondUpdated
```

Value

Type:  [System EventHandler](#)

See Also

[FtpProgress Class](#)

[FtpProgress Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Describe a path to an FTP element, weither it be a directory or a file. Actions can be taken on it's target.

Inheritance Hierarchy

 [System.Object](#) **AltarNet.FtpRemoteItem**

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public class FtpRemoteItem : ICloneable
```

See Also











[FtpRemoteItem Members](#)


[AltarNet Namespace](#)













[Send Feedback](#) on this topic.

The [FtpRemoteItem](#) type exposes the following members.

Methods



	Name	Description
	Append(Stream, ProgressMonitorBase, FtpOptions)	Request an Append action on the targeted file.
	Append(String, ProgressMonitorBase, FtpOptions)	Request an Append action on the targeted file.
	Append(Stream, CancellationToken, ProgressMonitorBase, FtpOptions)	Request an Append action on the targeted file.
	Append(String, CancellationToken, ProgressMonitorBase, FtpOptions)	Request an Append action on the targeted file.
	Clone	Do a shallow copy of this item.
	DeleteFile(FtpOptions)	Request a Delete action on the targeted file.
	DeleteFile(CancellationToken, FtpOptions)	Request a Delete action on the targeted file.
	Download(Stream, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file.
	Download(String, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file.
	Download(Stream, CancellationToken, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file.
	Download(String, CancellationToken, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file.
	DownloadData(ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file, returning an array of bytes.
	DownloadData(CancellationToken, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file, returning an array of bytes.
	DownloadString(ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file, returning a string.
	DownloadString(Encoding, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file, returning a string.
	DownloadString(CancellationToken, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file, returning a string.
	DownloadString(Encoding, CancellationToken, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file, returning a string.
	 Equals	Determines whether the specified  Object is equal to the

		current  Object . (Inherited from  Object .)
	Exists(String, Boolean, FtpOptions)	Query is the named item exists in the targeted directory, weither the named item be a directory or a file.
	Exists(String, CancellationToken, Boolean, FtpOptions)	Query is the named item exists in the targeted directory, weither the named item be a directory or a file.
	 Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from  Object .)
	GetDatestamp(FtpOptions)	Query the last modified time of the target.
	GetDatestamp(CancellationToken, FtpOptions)	Query the last modified time of the target.
	GetFileSize(FtpOptions)	Query the file size of the target.
	GetFileSize(CancellationToken, FtpOptions)	Query the file size of the target.
	 GetHashCode	Serves as a hash function for a particular type. (Inherited from  Object .)
	 GetType	Gets the  Type of the current instance. (Inherited from  Object .)
	List(FtpOptions)	Query the list of files and directories in the targeted directory.
	List(CancellationToken, FtpOptions)	Query the list of files and directories in the targeted directory.
	ListDetails(FtpOptions)	Query the details of a list of files and directories in the targeted directory.
	ListDetails(CancellationToken, FtpOptions)	Query the details of a list of files and directories in the targeted directory.
	MakeDirectory(FtpOptions)	Request a MakeDirectory action on the targeted Directory. The target must not exists.
	MakeDirectory(CancellationToken, FtpOptions)	Request a MakeDirectory action on the targeted Directory. The target must not exists.
	 MemberwiseClone	Creates a shallow copy of the current  Object . (Inherited from  Object .)
	PrintWorkingDirectory(FtpOptions)	Query the Current directory.
	PrintWorkingDirectory(CancellationToken, FtpOptions)	Query the Current directory.
	RemoveDirectory(FtpOptions)	Request a RemoveDirectory action on the targeted Directory. The target must exists.
	RemoveDirectory(CancellationToken, FtpOptions)	Request a RemoveDirectory action on the targeted Directory. The target must exists.
	Rename(String, FtpOptions)	Request a Rename action on the targeted file or directory.

 <code>Rename(String, CancellationToken, FtpOptions)</code>	Request a Rename action on the targeted file or directory.
 <code>Select</code>	Create and return a subitem with the given path, with a Target value which ends up being 'Target + "/" + remotePath'.
 <code> ToString</code>	Returns a string that represents the current object. (Inherited from <code> Object</code> .)
 <code>Upload(Stream, ProgressMonitorBase, FtpOptions)</code>	Request a Upload action on the targeted file.
 <code>Upload(String, ProgressMonitorBase, FtpOptions)</code>	Request a Upload action on the targeted file.
 <code>Upload(Stream, CancellationToken, ProgressMonitorBase, FtpOptions)</code>	Request a Upload action on the targeted file.
 <code>Upload(String, CancellationToken, ProgressMonitorBase, FtpOptions)</code>	Request a Upload action on the targeted file.
 <code>UploadWithUniqueName(Stream, ProgressMonitorBase, FtpOptions)</code>	Request a Upload action on the targeted directory, with a unique, randomly generated name.
 <code>UploadWithUniqueName(String, ProgressMonitorBase, FtpOptions)</code>	Request a Upload action on the targeted directory, with a unique, randomly generated name.
 <code>UploadWithUniqueName(Stream, CancellationToken, ProgressMonitorBase, FtpOptions)</code>	Request a Upload action on the targeted directory, with a unique, randomly generated name.
 <code>UploadWithUniqueName(String, CancellationToken, ProgressMonitorBase, FtpOptions)</code>	Request a Upload action on the targeted directory, with a unique, randomly generated name.


[Back to Top](#)

Fields

	Name	Description
	<code>Handler</code>	Get the FtpHandler that initially created the item.
	<code>Parent</code>	Get the parent Item which has selected this item.

[Back to Top](#)

Properties

	Name	Description
	<code>Target</code>	Get the path to the targetted element.



[Back to Top](#)

See Also

[Send Feedback](#) on this topic.

The [FtpRemoteItem](#) type exposes the following members.

Fields

	Name	Description
	Handler	Get the FtpHandler that initially created the item.
	Parent	Get the parent Item which has selected this item.

[Back to Top](#)

See Also

[FtpRemoteItem Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get the FtpHandler that initialy created the item.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public readonly FtpHandler Handler
```

Field Value

Type: [FtpHandler](#)

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get the parent Item which has selected this item.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public readonly FtpRemoteItem Parent
```

Field Value

Type: [FtpRemoteItem](#)

See Also

[FtpRemoteItem Class](#)


















[FtpRemoteItem Members](#)

[AltarNet Namespace](#)














[Send Feedback](#) on this topic.

The [FtpRemoteItem](#) type exposes the following members.

Methods

	Name	Description
	Append(Stream, ProgressMonitorBase, FtpOptions)	Request an Append action on the targeted file.
	Append(String, ProgressMonitorBase, FtpOptions)	Request an Append action on the targeted file.
	Append(Stream, CancellationToken, ProgressMonitorBase, FtpOptions)	Request an Append action on the targeted file.
	Append(String, CancellationToken, ProgressMonitorBase, FtpOptions)	Request an Append action on the targeted file.
	Clone	Do a shallow copy of this item.
	DeleteFile(FtpOptions)	Request a Delete action on the targeted file.
	DeleteFile(CancellationToken, FtpOptions)	Request a Delete action on the targeted file.
	Download(Stream, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file.
	Download(String, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file.
	Download(Stream, CancellationToken, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file.
	Download(String, CancellationToken, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file.
	DownloadData(ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file, returning an array of bytes.
	DownloadData(CancellationToken, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file, returning an array of bytes.
	DownloadString(ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file, returning a string.
	DownloadString(Encoding, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file, returning a string.
	DownloadString(CancellationToken, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file, returning a string.
	DownloadString(Encoding, CancellationToken, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file, returning a string.
	 Equals	Determines whether the specified  Object is equal to the

		current  Object . (Inherited from  Object .)
	Exists(String, Boolean, FtpOptions)	Query is the named item exists in the targeted directory, weither the named item be a directory or a file.
	Exists(String, CancellationToken, Boolean, FtpOptions)	Query is the named item exists in the targeted directory, weither the named item be a directory or a file.
	 Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from  Object .)
	GetDatestamp(FtpOptions)	Query the last modified time of the target.
	GetDatestamp(CancellationToken, FtpOptions)	Query the last modified time of the target.
	GetFileSize(FtpOptions)	Query the file size of the target.
	GetFileSize(CancellationToken, FtpOptions)	Query the file size of the target.
	 GetHashCode	Serves as a hash function for a particular type. (Inherited from  Object .)
	 GetType	Gets the  Type of the current instance. (Inherited from  Object .)
	List(FtpOptions)	Query the list of files and directories in the targeted directory.
	List(CancellationToken, FtpOptions)	Query the list of files and directories in the targeted directory.
	ListDetails(FtpOptions)	Query the details of a list of files and directories in the targeted directory.
	ListDetails(CancellationToken, FtpOptions)	Query the details of a list of files and directories in the targeted directory.
	MakeDirectory(FtpOptions)	Request a MakeDirectory action on the targeted Directory. The target must not exists.
	MakeDirectory(CancellationToken, FtpOptions)	Request a MakeDirectory action on the targeted Directory. The target must not exists.
	 MemberwiseClone	Creates a shallow copy of the current  Object . (Inherited from  Object .)
	PrintWorkingDirectory(FtpOptions)	Query the Current directory.
	PrintWorkingDirectory(CancellationToken, FtpOptions)	Query the Current directory.
	RemoveDirectory(FtpOptions)	Request a RemoveDirectory action on the targeted Directory. The target must exists.
	RemoveDirectory(CancellationToken, FtpOptions)	Request a RemoveDirectory action on the targeted Directory. The target must exists.
	Rename(String, FtpOptions)	Request a Rename action on the targeted file or directory.

	<code>Rename(String, CancellationToken, FtpOptions)</code>	Request a Rename action on the targeted file or directory.
	<code>Select</code>	Create and return a subitem with the given path, with a Target value which ends up being 'Target + "/" + remotePath'.
	 <code>ToString</code>	Returns a string that represents the current object. (Inherited from  <code>Object</code> .)
	<code>Upload(Stream, ProgressMonitorBase, FtpOptions)</code>	Request a Upload action on the targeted file.
	<code>Upload(String, ProgressMonitorBase, FtpOptions)</code>	Request a Upload action on the targeted file.
	<code>Upload(Stream, CancellationToken, ProgressMonitorBase, FtpOptions)</code>	Request a Upload action on the targeted file.
	<code>Upload(String, CancellationToken, ProgressMonitorBase, FtpOptions)</code>	Request a Upload action on the targeted file.
	<code>UploadWithUniqueName(Stream, ProgressMonitorBase, FtpOptions)</code>	Request a Upload action on the targeted directory, with a unique, randomly generated name.
	<code>UploadWithUniqueName(String, ProgressMonitorBase, FtpOptions)</code>	Request a Upload action on the targeted directory, with a unique, randomly generated name.
	<code>UploadWithUniqueName(Stream, CancellationToken, ProgressMonitorBase, FtpOptions)</code>	Request a Upload action on the targeted directory, with a unique, randomly generated name.
	<code>UploadWithUniqueName(String, CancellationToken, ProgressMonitorBase, FtpOptions)</code>	Request a Upload action on the targeted directory, with a unique, randomly generated name.

[Back to Top](#)





See Also

[FtpRemoteItem Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Overload List

	Name	Description
	Append(Stream, ProgressMonitorBase, FtpOptions)	Request an Append action on the targeted file.
	Append(String, ProgressMonitorBase, FtpOptions)	Request an Append action on the targeted file.
	Append(Stream, CancellationToken, ProgressMonitorBase, FtpOptions)	Request an Append action on the targeted file.
	Append(String, CancellationToken, ProgressMonitorBase, FtpOptions)	Request an Append action on the targeted file.

[Back to Top](#)

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem Append Method (Stream, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request an Append action on the targeted file.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task Append(  
    Stream stream,  
    ProgressMonitorBase progress = null,  
    FtpOptions options = null  
)
```

Parameters

stream

Type:  [System.IO Stream](#)

The stream that will be read from

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)


The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[Append Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem Append Method (String, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request an Append action on the targeted file.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task Append(  
    string filename,  
    ProgressMonitorBase progress = null,  
    FtpOptions options = null  
)
```

Parameters

filename

Type:  [System String](#)

The local file that will be read from

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)


The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[Append Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem Append Method (Stream, CancellationToken, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request an Append action on the targeted file.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task Append(  
    Stream stream,  
    CancellationToken cancellationToken,  
    ProgressMonitorBase progress = null,  
    FtpOptions options = null  
)
```

Parameters

stream

Type:  [System.IO Stream](#)

The stream that will be read from

cancellationToken

Type:  [System.Threading Cancellation Token](#)

The token to cancel the query

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)

The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[Append Overload](#)

[AltairNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem Append Method (String, CancellationToken, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request an Append action on the targeted file.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task Append(  
    string filename,  
    CancellationToken cancellationToken,  
    ProgressMonitorBase progress = null,  
    FtpOptions options = null  
)
```

Parameters

filename

Type:  [System String](#)

The local file that will be read from

cancellationToken

Type:  [System.Threading CancellationToken](#)

The token to cancel the query

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)

The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[Append Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Do a shallow copy of this item.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public FtpRemoteItem Clone()
```

Return Value

Type: [FtpRemoteItem](#)

The copy.

See Also



[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Overload List

	Name	Description
	DeleteFile(FtpOptions)	Request a Delete action on the targeted file.
	DeleteFile(CancellationToken, FtpOptions)	Request a Delete action on the targeted file.

[Back to Top](#)

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem DeleteFile Method (FtpOptions)

AltarNet3 - TCP/UDP/FTP
Library

Request a Delete action on the targeted file.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task DeleteFile(  
    FtpOptions options = null  
)
```

Parameters

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[DeleteFile Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem DeleteFile Method (CancellationToken, FtpOptions)

AltarNet3 -
TCP/UDP/FTP Library

Request a Delete action on the targeted file.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task DeleteFile(  
    CancellationToken cancelToken,  
    FtpOptions options = null  
)
```

Parameters

cancelToken

Type:  [System.Threading CancellationTok*en*](#)


The token to cancel the query

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)



[FtpRemoteItem Members](#)

[DeleteFile Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Overload List

	Name	Description
	Download(Stream, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file.
	Download(String, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file.
	Download(Stream, CancellationToken, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file.
	Download(String, CancellationToken, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file.

[Back to Top](#)

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem Download Method (Stream, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a Download action on the targeted file.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task Download(  
    Stream stream,  
    ProgressMonitorBase progress = null,  
    FtpOptions options = null  
)
```

Parameters

stream

Type:  [System.IO Stream](#)

The stream that will be written to

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)


The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[Download Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem Download Method (String, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a Download action on the targeted file.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task Download(  
    string filename,  
    ProgressMonitorBase progress = null,  
    FtpOptions options = null  
)
```

Parameters

filename

Type:  [System String](#)

The local file that will be written to

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)

The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[Download Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem Download Method (Stream, CancellationToken, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a Download action on the targeted file.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task Download(  
    Stream stream,  
    CancellationTokentoken,   
    ProgressMonitorBase progress = null,  
    FtpOptions options = null  
)
```

Parameters

stream

Type:  [System.IO Stream](#)

The stream that will be written to

cancelToken

Type:  [System.Threading CancellationTokentoken](#)

The token to cancel the query

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)

The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[Download Overload](#)

[AltairNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem Download Method (String, CancellationToken, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a Download action on the targeted file.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task Download(  
    string filename,  
    CancellationToken cancellationToken,  
    ProgressMonitorBase progress = null,  
    FtpOptions options = null  
)
```

Parameters

filename

Type:  [System String](#)

The local file that will be written to

cancellationToken

Type:  [System.Threading CancellationToken](#)

The token to cancel the query

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)


The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)



[FtpRemoteItem Members](#)

[Download Overload](#)

[AltairNet Namespace](#)

[Send Feedback](#) on this topic.

Overload List

	Name	Description
	DownloadData(ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file, returning an array of bytes.
	DownloadData(CancellationTok en, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file, returning an array of bytes.

[Back to Top](#)

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem DownloadData Method (ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a Download action on the targeted file, returning an array of bytes.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task<byte[]> DownloadData(  
    ProgressMonitorBase progress = null,  
    FtpOptions options = null  
)
```

Parameters

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)

The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [Byte](#)

The full array of bytes of the targeted file

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[DownloadData Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem DownloadData Method (CancellationToken, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a Download action on the targeted file, returning an array of bytes.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task<byte[]> DownloadData(  
    CancellationTokен cancelToken,  
    ProgressMonitorBase progress = null,  
    FtpOptions options = null  
)
```

Parameters

cancelToken

Type:  [System.Threading CancellationTokен](#)

The token to cancel the query

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)

The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [Byte](#)

The full array of bytes of the targeted file

See Also

[FtpRemoteItem Class](#)





[FtpRemoteItem Members](#)

[DownloadData Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Overload List

	Name	Description
	DownloadString(ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file, returning a string.
	DownloadString(Encoding, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file, returning a string.
	DownloadString(CancellationToken, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file, returning a string.
	DownloadString(Encoding, CancellationToken, ProgressMonitorBase, FtpOptions)	Request a Download action on the targeted file, returning a string.

[Back to Top](#)

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem DownloadString Method (ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a Download action on the targeted file, returning a string.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task<string> DownloadString(  
    ProgressMonitorBase progress = null,  
    FtpOptions options = null  
)
```

Parameters

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)

The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [String](#)

The full string of the targeted file

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[DownloadString Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem DownloadString Method (Encoding, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a Download action on the targeted file, returning a string.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task<string> DownloadString(  
    Encoding encode,  
    ProgressMonitorBase progress = null,  
    FtpOptions options = null  
)
```

Parameters

encode

Type:  [System.Text Encoding](#)

The encoding to use to reclaim the data into a string

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)

The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [String](#)

The full string of the targeted file

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[DownloadString Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem DownloadString Method (CancellationToken, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a Download action on the targeted file, returning a string.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task<string> DownloadString(  
    CancellationToken cancelToken,  
    ProgressMonitorBase progress = null,  
    FtpOptions options = null  
)
```

Parameters

cancelToken

Type:  [System.Threading CancellationTok*en*](#)

The token to cancel the query

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)

The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [String](#)

The full string of the targeted file

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[DownloadString Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem DownloadString Method (Encoding, CancellationToken, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a Download action on the targeted file, returning a string.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task<string> DownloadString(  
    Encoding encode,  
    CancellationToken cancellationToken,  
    ProgressMonitorBase progress = null,  
    FtpOptions options = null  
)
```

Parameters

encode

Type:  [System.Text Encoding](#)

The encoding to use to reclaim the data into a string

cancellationToken

Type:  [System.Threading CancellationToken](#)

The token to cancel the query

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)

The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [String](#)

The full string of the targeted file



See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)
[DownloadString Overload](#)
[AltairNet Namespace](#)

[Send Feedback](#) on this topic.

Overload List

	Name	Description
	Exists(String, Boolean, FtpOptions)	Query is the named item exists in the targeted directory, weither the named item be a directory or a file.
	Exists(String, CancellationToken, Boolean, FtpOptions)	Query is the named item exists in the targeted directory, weither the named item be a directory or a file.

[Back to Top](#)

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem Exists Method (String, Boolean, FtpOptions)

AltarNet3 -
TCP/UDP/FTP Library

Query is the named item exists in the targeted directory, weither the named item be a directory or a file.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task<bool> Exists(  
    string name,  
    bool caseSensitive = false,  
    FtpOptions options = null  
)
```

Parameters

name

Type:  [System String](#)

The file/directory to look for

caseSensitive (Optional)

Type:  [System Boolean](#)

Weither case sensitivity should be observed or not

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [Boolean](#)

True if the item is found, false otherwise

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[Exists Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem Exists Method (String, CancellationToken, Boolean, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Query is the named item exists in the targeted directory, weither the named item be a directory or a file.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task<bool> Exists(  
    string name,  
    CancellationToken cancellationToken,  
    bool caseSensitive = false,  
    FtpOptions options = null  
)
```

Parameters

name

Type:  [System String](#)

The file/directory to look for

cancellationToken

Type:  [System.Threading CancellationToken](#)

The token to cancel the query

caseSensitive (Optional)

Type:  [System Boolean](#)

Weither case sensitivity should be observed or not

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [Boolean](#)

True if the item is found, false otherwise

See Also

[FtpRemoteItem Class](#)



[FtpRemoteItem Members](#)

[Exists Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Overload List

	Name	Description
	GetDatestamp(FtpOptions)	Query the last modified time of the target.
	GetDatestamp(CancellationToken, FtpOptions)	Query the last modified time of the target.

[Back to Top](#)

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem GetDatestamp Method (FtpOptions)

AltarNet3 - TCP/UDP/FTP
Library

Query the last modified time of the target.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task<DateTime> GetDatestamp(  
    FtpOptions options = null  
)
```

Parameters

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [DateTime](#)

The last modified time of the targeted file

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[GetDatestamp Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem GetDatestamp Method (CancellationToken, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Query the last modified time of the target.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task<DateTime> GetDatestamp(  
    CancellationToken cancelToken,  
    FtpOptions options = null  
)
```

Parameters

cancelToken

Type:  [System.Threading CancellationTok*en*](#)

The token to cancel the query

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [DateT*ime*](#)

The last modified time of the targeted file

See Also

[FtpRemoteItem Class](#)


[FtpRemoteItem Members](#)

[GetDatestamp Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Overload List

	Name	Description
	GetFileSize(FtpOptions)	Query the file size of the target.
	GetFileSize(CancellationToken, FtpOptions)	Query the file size of the target.

[Back to Top](#)

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem GetFileSize Method (FtpOptions)

AltarNet3 - TCP/UDP/FTP
Library

Query the file size of the target.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task<long> GetFileSize(  
    FtpOptions options = null  
)
```

Parameters

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [Int64](#)

The size of the targeted file

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[GetFileSize Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem GetFileSize Method (CancellationToken, FtpOptions)

AltarNet3 -
TCP/UDP/FTP Library

Query the file size of the target.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task<long> GetFileSize(  
    CancellationToken cancellationToken,  
    FtpOptions options = null  
)
```

Parameters

cancellationToken

Type:  [System.Threading.CancellationToken](#)

The token to cancel the query

options (Optional)

Type: [AltarNet.FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [Int64](#)

The size of the targeted file

See Also

[FtpRemoteItem Class](#)



[FtpRemoteItem Members](#)

[GetFileSize Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Overload List

	Name	Description
	List(FtpOptions)	Query the list of files and directories in the targeted directory.
	List(CancellationToken, FtpOptions)	Query the list of files and directories in the targeted directory.

[Back to Top](#)

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem List Method (FtpOptions)

AltarNet3 - TCP/UDP/FTP
Library

Query the list of files and directories in the targeted directory.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task<List<string>> List(  
    FtpOptions options = null  
)
```

Parameters

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type: [Task](#) [List](#) [String](#)

A list of all the files and directories

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[List Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem List Method (CancellationToken, FtpOptions)

AltarNet3 -
TCP/UDP/FTP Library

Query the list of files and directories in the targeted directory.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task<List<string>> List(  
    CancellationToken cancelToken,  
    FtpOptions options = null  
)
```

Parameters

cancelToken

Type:  [System.Threading.CancellationToken](#)

The token to cancel the query

options (Optional)

Type: [AltarNet.FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [List](#)  [String](#)

A list of all the files and directories

See Also

[FtpRemoteItem Class](#)



[FtpRemoteItem Members](#)

[List Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Overload List

	Name	Description
	ListDetails(FtpOptions)	Query the details of a list of files and directories in the targeted directory.
	ListDetails(CancellationToken, FtpOptions)	Query the details of a list of files and directories in the targeted directory.

[Back to Top](#)

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem ListDetails Method (FtpOptions)

AltarNet3 - TCP/UDP/FTP
Library

Query the details of a list of files and directories in the targeted directory.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task<List<string>> ListDetails(  
    FtpOptions options = null  
)
```

Parameters

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type: [Task](#) [List](#) [String](#)

A detailed list of all the files and directories

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[ListDetails Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem ListDetails Method (CancellationToken, FtpOptions)

AltarNet3 -
TCP/UDP/FTP Library

Query the details of a list of files and directories in the targeted directory.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task<List<string>> ListDetails(  
    CancellationToken cancellationToken,  
    FtpOptions options = null  
)
```

Parameters

cancellationToken

Type:  [System.Threading.CancellationToken](#)

The token to cancel the query

options (Optional)

Type: [AltarNet.FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [List](#)  [String](#)

A detailed list of all the files and directories

See Also

[FtpRemoteItem Class](#)



[FtpRemoteItem Members](#)

[ListDetails Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Overload List

	Name	Description
	MakeDirectory(FtpOptions)	Request a MakeDirectory action on the targeted Directory. The target must not exists.
	MakeDirectory(CancellationToken, FtpOptions)	Request a MakeDirectory action on the targeted Directory. The target must not exists.

[Back to Top](#)

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem MakeDirectory Method (FtpOptions)

AltarNet3 - TCP/UDP/FTP
Library

Request a MakeDirectory action on the targeted Directory. The target must not exists.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task MakeDirectory(  
    FtpOptions options = null  
)
```

Parameters

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[MakeDirectory Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem MakeDirectory Method (CancellationToken, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a MakeDirectory action on the targeted Directory. The target must not exists.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task MakeDirectory(  
    Cancellation_token cancelToken,  
    FtpOptions options = null  
)
```

Parameters

cancelToken

Type:  [System.Threading Cancellation_token](#)

The token to cancel the query

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)



[FtpRemoteItem Members](#)

[MakeDirectory Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Overload List

	Name	Description
	PrintWorkingDirectory(FtpOptions)	Query the Current directory.
	PrintWorkingDirectory(CancellationToken, FtpOptions)	Query the Current directory.

[Back to Top](#)

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem PrintWorkingDirectory Method (FtpOptions)

AltarNet3 -
TCP/UDP/FTP Library

Query the Current directory.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task<string> PrintWorkingDirectory(  
    FtpOptions options = null  
)
```

Parameters

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [String](#)

The working directory

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[PrintWorkingDirectory Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem PrintWorkingDirectory Method (CancellationToken, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Query the Current directory.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task<string> PrintWorkingDirectory(  
    CancellationToken cancelToken,  
    FtpOptions options = null  
)
```

Parameters

cancelToken

Type:  [System.Threading CancellationTok*en*](#)

The token to cancel the query

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [String](#)

The working directory

See Also

[FtpRemoteItem Class](#)



[FtpRemoteItem Members](#)

[PrintWorkingDirectory Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Overload List

	Name	Description
	RemoveDirectory(FtpOptions)	Request a RemoveDirectory action on the targeted Directory. The target must exists.
	RemoveDirectory(CancellationToken, FtpOptions)	Request a RemoveDirectory action on the targeted Directory. The target must exists.

[Back to Top](#)

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem RemoveDirectory Method (FtpOptions)

AltarNet3 -
TCP/UDP/FTP Library

Request a RemoveDirectory action on the targeted Directory. The target must exists.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task RemoveDirectory(  
    FtpOptions options = null  
)
```

Parameters

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[RemoveDirectory Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem RemoveDirectory Method (CancellationToken, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a RemoveDirectory action on the targeted Directory. The target must exists.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task RemoveDirectory(  
    CancellationToken cancelToken,  
    FtpOptions options = null  
)
```

Parameters

cancelToken

Type:  [System.Threading CancellationTok*en*](#)


The token to cancel the query

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)



[FtpRemoteItem Members](#)

[RemoveDirectory Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Overload List

	Name	Description
	Rename(String, FtpOptions)	Request a Rename action on the targeted file or directory.
	Rename(String, CancellationToken, FtpOptions)	Request a Rename action on the targeted file or directory.

[Back to Top](#)

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem Rename Method (String, FtpOptions)

AltarNet3 - TCP/UDP/FTP
Library

Request a Rename action on the targeted file or directory.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task Rename(  
    string newName,  
    FtpOptions options = null  
)
```

Parameters

newName

Type:  [System String](#)


The new name for the file or directory

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[Rename Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem Rename Method (String, CancellationToken, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a Rename action on the targeted file or directory.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task Rename(  
    string newName,  
    CancellationToken cancellationToken,  
    FtpOptions options = null  
)
```

Parameters

newName

Type:  [System String](#)

The new name for the file or directory

cancellationToken

Type:  [System.Threading CancellationToken](#)


The token to cancel the query

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[Rename Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Create and return a subitem with the given path, with a Target value which ends up being 'Target + "/" + remotePath'.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public FtpRemoteItem Select(  
    string remotePath = null  
)
```

Parameters

remotePath (Optional)

Type:  [System String](#)

The target for the new subitem

Return Value

Type: [FtpRemoteItem](#)

The subitem

See Also





[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Overload List

	Name	Description
	Upload(Stream, ProgressMonitorBase, FtpOptions)	Request a Upload action on the targeted file.
	Upload(String, ProgressMonitorBase, FtpOptions)	Request a Upload action on the targeted file.
	Upload(Stream, CancellationToken, ProgressMonitorBase, FtpOptions)	Request a Upload action on the targeted file.
	Upload(String, CancellationToken, ProgressMonitorBase, FtpOptions)	Request a Upload action on the targeted file.

[Back to Top](#)

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem Upload Method (Stream, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a Upload action on the targeted file.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task Upload(  
    Stream stream,  
    ProgressMonitorBase progress = null,  
    FtpOptions options = null  
)
```

Parameters

stream

Type:  [System.IO Stream](#)

The stream that will be read from

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)

The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[Upload Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem Upload Method (String, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a Upload action on the targeted file.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task Upload(  
    string filename,  
    ProgressMonitorBase progress = null,  
    FtpOptions options = null  
)
```

Parameters

filename

Type:  [System String](#)

The local file that will be read from

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)


The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[Upload Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem Upload Method (Stream, CancellationToken, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a Upload action on the targeted file.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task Upload(  
    Stream stream,  
    CancellationToken cancellationToken,  
    ProgressMonitorBase progress = null,  
    FtpOptions options = null  
)
```

Parameters

stream

Type:  [System.IO Stream](#)

The stream that will be read from

cancellationToken

Type:  [System.Threading CancellationToken](#)

The token to cancel the query

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)

The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[Upload Overload](#)

[AltairNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem Upload Method (String, CancellationToken, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a Upload action on the targeted file.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task Upload(  
    string filename,  
    CancellationToken cancellationToken,  
    ProgressMonitorBase progress = null,  
    FtpOptions options = null  
)
```

Parameters

filename

Type:  [System String](#)

The local file that will be read from

cancellationToken

Type:  [System.Threading CancellationToken](#)

The token to cancel the query

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)

The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)

A Task

See Also

[FtpRemoteItem Class](#)





[FtpRemoteItem Members](#)

[Upload Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Overload List

	Name	Description
	UploadWithUniqueName(Stream, ProgressMonitorBase, FtpOptions)	Request a Upload action on the targeted directory, with a unique, randomly generated name.
	UploadWithUniqueName(String, ProgressMonitorBase, FtpOptions)	Request a Upload action on the targeted directory, with a unique, randomly generated name.
	UploadWithUniqueName(Stream, CancellationToken, ProgressMonitorBase, FtpOptions)	Request a Upload action on the targeted directory, with a unique, randomly generated name.
	UploadWithUniqueName(String, CancellationToken, ProgressMonitorBase, FtpOptions)	Request a Upload action on the targeted directory, with a unique, randomly generated name.

[Back to Top](#)

See Also

- [FtpRemoteItem Class](#)
- [FtpRemoteItem Members](#)
- [AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem UploadWithUniqueName Method (Stream, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a Upload action on the targeted directory, with a unique, randomly generated name.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task<string> UploadWithUniqueName (
    Stream stream,
    ProgressMonitorBase progress = null,
    FtpOptions options = null
)
```

Parameters

stream

Type:  [System.IO Stream](#)

The stream that will be read from

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)

The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [String](#)

The filename of the generated file

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[UploadWithUniqueName Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem UploadWithUniqueName Method (String, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a Upload action on the targeted directory, with a unique, randomly generated name.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task<string> UploadWithUniqueName(  
    string filename,  
    ProgressMonitorBase progress = null,  
    FtpOptions options = null  
)
```

Parameters

filename

Type:  [System String](#)

The local file that will be read from

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)

The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [String](#)

The filename of the generated file

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[UploadWithUniqueName Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem UploadWithUniqueName Method (Stream, CancellationToken, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a Upload action on the targeted directory, with a unique, randomly generated name.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task<string> UploadWithUniqueName (
    Stream stream,
    CancellationToken cancellationToken,
    ProgressMonitorBase progress = null,
    FtpOptions options = null
)
```

Parameters

stream

Type:  [System.IO Stream](#)

The stream that will be read from

cancellationToken

Type:  [System.Threading CancellationToken](#)

The token to cancel the query

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)

The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [String](#)

The filename of the generated file

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[UploadWithUniqueName Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

FtpRemoteItem UploadWithUniqueName Method (String, CancellationToken, ProgressMonitorBase, FtpOptions)

AltarNet3 -
TCP/UDP/FTP
Library

Request a Upload action on the targeted directory, with a unique, randomly generated name.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task<string> UploadWithUniqueName (
    string filename,
    CancellationToken cancellationToken,
    ProgressMonitorBase progress = null,
    FtpOptions options = null
)
```

Parameters

filename

Type:  [System String](#)

The local file that will be read from

cancellationToken

Type:  [System.Threading CancellationToken](#)

The token to cancel the query

progress (Optional)

Type: [AltarNet ProgressMonitorBase](#)

The progress monitor

options (Optional)

Type: [AltarNet FtpOptions](#)

The query-specific options

Return Value

Type:  [Task](#)  [String](#)

The filename of the generated file

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)


[UploadWithUniqueName Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [FtpRemoteItem](#) type exposes the following members.

Properties

	Name	Description
	Target	Get the path to the targetted element.

[Back to Top](#)

See Also

[FtpRemoteItem Class](#)

[AltarNet Namespace](#)

Send [Feedback](#) on this topic.

Get the path to the targetted element.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

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

Property Value

Type:  [String](#)

See Also

[FtpRemoteItem Class](#)

[FtpRemoteItem Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Represent some informations related to newly received http context.

Inheritance Hierarchy

 [System.Object](#)  [System.EventArgs](#)

AltarNet **HttpContextEventArgs**

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public class HttpContextEventArgs : EventArgs
```

See Also


[HttpContextEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.







The [HttpContextEventArgs](#) type exposes the following members.

Constructors

	Name	Description
	HttpContextEventArgs	Create the HttpContextEventArgs.


[Back to Top](#)

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)

[Back to Top](#)

Properties

	Name	Description
	Context	The received context.

[Back to Top](#)

See Also

[HttpContextEventArgs Class](#)

[AltarNet Namespace](#)

Create the HttpContextEventArgs.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public HttpContextEventArgs (  
    HttpListenerContext con  
)
```

Parameters

con

Type:  [System.Net HttpListenerContext](#)

The context

See Also

[HttpContextEventArgs Class](#)







[HttpContextEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [HttpContextEventArgs](#) type exposes the following members.

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)

[Back to Top](#)

See Also


[HttpContextEventArgs Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [HttpContextEventArgs](#) type exposes the following members.

Properties

	Name	Description
	Context	The received context.

[Back to Top](#)

See Also

[HttpContextEventArgs Class](#)

[AltarNet Namespace](#)

Send [Feedback](#) on this topic.

HttpContextEventArgs Context Property

AltarNet3 - TCP/UDP/FTP
Library

The received context.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public HttpListenerContext Context { get; private set; }
```

Property Value

Type:  [HttpListenerContext](#)

See Also

[HttpContextEventArgs Class](#)

[HttpContextEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Represent some informations related to an error while receiving http contexts.

Inheritance Hierarchy

 [System.Object](#)  [System.EventArgs](#)

AltarNet **HttpEventArgs**

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public class EventArgs : EventArgs
```

See Also


[HttpEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.







The [HttpEventArgs](#) type exposes the following members.

Constructors

	Name	Description
	HttpEventArgs	Create the HttpEventArgs.


[Back to Top](#)

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)

[Back to Top](#)

Properties

	Name	Description
	Error	The error which occurred.

[Back to Top](#)

See Also

[HttpEventArgs Class](#)

[AltarNet Namespace](#)

Create the EventArgs.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public EventArgs (
    Exception e
)
```

Parameters

e

Type:  [System Exception](#)

The error

See Also

[EventArgs Class](#)







[EventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [HttpEventArgs](#) type exposes the following members.

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)

[Back to Top](#)

See Also


[HttpEventArgs Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [HttpEventArgs](#) type exposes the following members.

Properties

	Name	Description
	Error	The error which occurred.

[Back to Top](#)

See Also

[HttpEventArgs Class](#)

[AltarNet Namespace](#)

Send [Feedback](#) on this topic.

The error which occurred.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public Exception Error { get; private set; }
```

Property Value

Type:  [Exception](#)

See Also

[HttpEventArgs Class](#)

[HttpEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Represent a simple HTTP server.

Inheritance Hierarchy

 [System.Object](#) **AltarNet HttpServerHandler**

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public class HttpServerHandler
```

See Also



[HttpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.




























The [HttpServerHandler](#) type exposes the following members.

Constructors

	Name	Description
	HttpServerHandler(String, Boolean)	Create an HTTP server, given the prefixes (ie: "http://localhost:8080") and weither the server start listening immediately.
	HttpServerHandler(String , Boolean)	Create an HTTP server, given the prefix (ie: "http://localhost:8080") and weither the server start listening immediately.


[Back to Top](#)

Methods

	Name	Description
	 Equals	Determines whether the specified  Object is equal to the current  Object . (Inherited from  Object .)
	 Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from  Object .)
	 GetHashCode	Serves as a hash function for a particular type. (Inherited from  Object .)
	 GetType	Gets the  Type of the current instance. (Inherited from  Object .)
	Listen	Start or stop listening.
	 MemberwiseClone	Creates a shallow copy of the current  Object . (Inherited from  Object .)
	OnListenError	Overrideable. Called when an error occur while listening.
	OnRequest	Overrideable. Called when a request is made to the server.
	Start	Start listening. Equivalent to Listen(true). Does nothing if already started.
	Stop	Stop listening. Equivalent to Listen(false). Does nothing if already stopped.
	 ToString	Returns a string that represents the current object. (Inherited from  Object .)



[Back to Top](#)

Properties

	Name	Description
	AuthScheme	Get or set the authentication Schemes.

[Back to Top](#)

Events

	Name	Description
	ListenError	Called when an error occurred while listening.
	Requested	Called when a new request was made to this server.

[Back to Top](#)



See Also

[HttpServerHandler Class](#)

[AltairNet Namespace](#)

[Send Feedback](#) on this topic.

Overload List

	Name	Description
	HttpServerHandler(String, Boolean)	Create an HTTP server, given the prefixes (ie: "http://localhost:8080") and weither the server start listening immediately.
	HttpServerHandler(String , Boolean)	Create an HTTP server, given the prefix (ie: "http://localhost:8080") and weither the server start listening immediately.

[Back to Top](#)

See Also

[HttpServerHandler Class](#)

[HttpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

HttpServerHandler Constructor (String, Boolean)

AltarNet3 - TCP/UDP/FTP
Library

Create an HTTP server, given the prefixes (ie: "http://localhost:8080") and weither the server start listening immediately.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public HttpServerHandler(  
    string prefix,  
    bool andStart = false  
)
```

Parameters

prefix

Type:  [System String](#)

The prefixes (ie: "http://localhost:8080")

andStart (Optional)

Type:  [System Boolean](#)

Should the server start now

See Also

[HttpServerHandler Class](#)

[HttpServerHandler Members](#)

[HttpServerHandler Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

HttpServerHandler Constructor (String , Boolean)

AltarNet3 - TCP/UDP/FTP
Library

Create an HTTP server, given the prefix (ie: "http://localhost:8080") and weither the server start listening immediately.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public HttpServerHandler(  
    string[] prefixes,  
    bool andStart = false  
)
```

Parameters

prefixes

Type:  [System String](#)

The prefix (ie: "http://localhost:8080")

andStart (Optional)

Type:  [System Boolean](#)

Should the server start now

See Also

[HttpServerHandler Class](#)

[HttpServerHandler Members](#)












[HttpServerHandler Overload](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [HttpServerHandler](#) type exposes the following members.

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	Listen	Start or stop listening.
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	OnListenError	Overrideable. Called when an error occur while listening.
	OnRequest	Overrideable. Called when a request is made to the server.
	Start	Start listening. Equivalent to Listen(true). Does nothing if already started.
	Stop	Stop listening. Equivalent to Listen(false). Does nothing if already stopped.
	ToString	Returns a string that represents the current object. (Inherited from Object .)

[Back to Top](#)

See Also

[HttpServerHandler Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Start or stop listening.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void Listen(  
    bool state = true  
)
```

Parameters

state (Optional)

Type:  [System Boolean](#)

if true : Start, otherwise, stop

See Also

[HttpServerHandler Class](#)

[HttpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

HttpServerHandler OnListenError Method

AltarNet3 - TCP/UDP/FTP
Library

Overrideable. Called when an error occur while listening.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
protected virtual void OnListenError(  
    Exception e  
)
```

Parameters

e

Type:  [System Exception](#)

The error

See Also

[HttpServerHandler Class](#)

[HttpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

HttpServerHandler OnRequest Method

AltarNet3 - TCP/UDP/FTP
Library

Overrideable. Called when a request is made to the server.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
protected virtual void OnRequest (
    HttpListenerContext context
)
```

Parameters

context

Type:  [System.Net HttpListenerContext](#)

The context of the request

See Also

[HttpServerHandler Class](#)

[HttpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Start listening. Equivalent to Listen(true). Does nothing if already started.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public void Start()
```

See Also

[HttpServerHandler Class](#)

[HttpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Stop listening. Equivalent to Listen(false). Does nothing if already stopped.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void Stop()
```

See Also

[HttpServerHandler Class](#)


[HttpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [HttpServerHandler](#) type exposes the following members.

Properties

	Name	Description
	AuthScheme	Get or set the authentication Schemes.

[Back to Top](#)

See Also

[HttpServerHandler Class](#)

[AltarNet Namespace](#)

Send [Feedback](#) on this topic.

HttpServerHandler AuthScheme Property

AltarNet3 - TCP/UDP/FTP
Library

Get or set the authentication Schemes.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public AuthenticationSchemes AuthScheme { get; set; }
```

Property Value

Type:  [AuthenticationSchemes](#)

See Also

[HttpServerHandler Class](#)



[HttpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [HttpServerHandler](#) type exposes the following members.

Events

	Name	Description
	ListenError	Called when an error occurred while listening.
	Requested	Called when a new request was made to this server.

[Back to Top](#)

See Also

[HttpServerHandler Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Called when an error occurred while listening.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public event EventHandler<HttpErrorEventArgs> ListenError
```

Value

Type:  [System EventHandler HttpErrorEventArgs](#)

See Also

[HttpServerHandler Class](#)

[HttpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

HttpServerHandler Requested Event

AltarNet3 - TCP/UDP/FTP Library

Called when a new request was made to this server.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public event EventHandler<HttpContextEventArgs> Requested
```

Value

Type:  [System EventHandler HttpContextEventArgs](#)

See Also

[HttpServerHandler Class](#)

[HttpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Represent the interface both the TCP server and TCP client must adhere to.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public interface ITcpHandler
```

See Also






[ITcpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [ITcpHandler](#) type exposes the following members.

Methods

	Name	Description
	ReportDisconnection	Called when a (or the) client is disconnected.
	ReportPacketFragment	Called when a packet fragment is received.
	ReportReceiveError	Called when an exception occur while receiving messages.
	ReportSslError	Called when an exception occur while starting an SSL connection.
	ReportSslValidate	Only called by a client.

[Back to Top](#)

See Also






[ITcpHandler Interface](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [ITcpHandler](#) type exposes the following members.

Methods

	Name	Description
	ReportDisconnection	Called when a (or the) client is disconnected.
	ReportPacketFragment	Called when a packet fragment is received.
	ReportReceiveError	Called when an exception occur while receiving messages.
	ReportSslError	Called when an exception occur while starting an SSL connection.
	ReportSslValidate	Only called by a client.

[Back to Top](#)

See Also

[ITcpHandler Interface](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

ITcpHandler ReportDisconnection Method

AltarNet3 - TCP/UDP/FTP
Library

Called when a (or the) client is disconnected.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
void ReportDisconnection(  
    TcpClientInfo info  
)
```

Parameters

info

Type: [AltarNet TcpClientInfo](#)

The client

See Also

[ITcpHandler Interface](#)

[ITcpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

ITcpHandler ReportPacketFragment Method

AltarNet3 - TCP/UDP/FTP
Library

Called when a packet fragment is received.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
void ReportPacketFragment(  
    TcpClientInfo info,  
    TcpFragment packet  
)
```

Parameters

info

Type: [AltarNet TcpClientInfo](#)

The client

packet

Type: [AltarNet TcpFragment](#)

The packet fragment received

See Also

[ITcpHandler Interface](#)

[ITcpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

ITcpHandler ReportReceiveError Method

AltarNet3 - TCP/UDP/FTP
Library

Called when an exception occur while receiving messages.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
void ReportReceiveError(  
    TcpClientInfo info,  
    Exception e  
)
```

Parameters

info

Type: [AltarNet TcpClientInfo](#)

The client

e

Type:  [System Exception](#)

The error

See Also

[ITcpHandler Interface](#)

[ITcpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Called when an exception occur while starting an SSL connection.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
void ReportSslError(  
    TcpClientInfo info,  
    Exception e  
)
```

Parameters

info

Type: [AltarNet TcpClientInfo](#)

The client

e

Type:  [System Exception](#)

The error

See Also

[ITcpHandler Interface](#)

[ITcpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

ITcpHandler.ReportSslValidate Method

AltarNet3 - TCP/UDP/FTP
Library

Only called by a client.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
Nullable<bool> ReportSslValidate(  
    Object sender,  
    X509Certificate certificate,  
    X509Chain chain,  
    SslPolicyErrors sslPolicyErrors  
)
```

Parameters

sender

Type:  [System Object](#)

The sender

certificate

Type:  [System.Security.Cryptography.X509Certificates X509Certificate](#)

The certificate

chain

Type:  [System.Security.Cryptography.X509Certificates X509Chain](#)

The chain

sslPolicyErrors

Type:  [System.Net.Security SslPolicyErrors](#)

The policy errors

Return Value

Type:  [Nullable](#)  [Boolean](#)

[Missing <returns> documentation for

"M:AltarNet.ITcpHandler.ReportSslValidate(System.Object,System.Security.Cryptography.X509Certificates.X509C

See Also

[ITcpHandler Interface](#)

[ITcpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

This class is used when downloading or uploading an FTP file, and must be inherited to be of use.

Inheritance Hierarchy

 [System Object](#) **AltarNet ProgressMonitorBase**

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public abstract class ProgressMonitorBase
```

See Also


[ProgressMonitorBase Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

























The [ProgressMonitorBase](#) type exposes the following members.

Constructors

	Name	Description
	ProgressMonitorBase	Initializes a new instance of the ProgressMonitorBase class



[Back to Top](#)

Methods

	Name	Description
	 Equals	Determines whether the specified  Object is equal to the current  Object . (Inherited from  Object .)
	 Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from  Object .)
	 GetHashCode	Serves as a hash function for a particular type. (Inherited from  Object .)
	 GetType	Gets the  Type of the current instance. (Inherited from  Object .)
	 MemberwiseClone	Creates a shallow copy of the current  Object . (Inherited from  Object .)
	OnInit	This will be called right after the size is found (or not) and the download / upload is ready to start.
	Progressed	This will be called whenever this is progress on the download / upload.
	 ToString	Returns a string that represents the current object. (Inherited from  Object .)

[Back to Top](#)

Properties

	Name	Description
	AskForSize	If set to true, this will ask for the size of the download / upload.
	Progress	Get the minute details of the current progress of the download / upload.

[Back to Top](#)

See Also

[Send Feedback](#) on this topic.

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

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
protected ProgressMonitorBase()
```

See Also

[ProgressMonitorBase Class](#)









[ProgressMonitorBase Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [ProgressMonitorBase](#) type exposes the following members.

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	OnInit	This will be called right after the size is found (or not) and the download / upload is ready to start.
	Progressed	This will be called whenever this is progress on the download / upload.
	ToString	Returns a string that represents the current object. (Inherited from Object .)

[Back to Top](#)

See Also

[ProgressMonitorBase Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

This will be called right after the size is found (or not) and the download / upload is ready to start.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public abstract void OnInit()
```

See Also

[ProgressMonitorBase Class](#)

[ProgressMonitorBase Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

ProgressMonitorBase Progressed Method

AltarNet3 - TCP/UDP/FTP
Library

This will be called whenever this is progress on the download / upload.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public abstract void Progressed()
```

See Also

[ProgressMonitorBase Class](#)



[ProgressMonitorBase Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [ProgressMonitorBase](#) type exposes the following members.

Properties

	Name	Description
	AskForSize	If set to true, this will ask for the size of the download / upload.
	Progress	Get the minute details of the current progress of the download / upload.

[Back to Top](#)

See Also

[ProgressMonitorBase Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

ProgressMonitorBase AskForSize Property

AltarNet3 - TCP/UDP/FTP
Library

If set to true, this will ask for the size of the download / upload.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public bool AskForSize { get; set; }
```

Property Value

Type:  [Boolean](#)

See Also

[ProgressMonitorBase Class](#)

[ProgressMonitorBase Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

ProgressMonitorBase Progress Property

AltarNet3 - TCP/UDP/FTP
Library

Get the minute details of the current progress of the download / upload.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public FtpProgress Progress { get; internal set; }
```

Property Value

Type: [FtpProgress](#)

See Also

[ProgressMonitorBase Class](#)

[ProgressMonitorBase Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Allow the user to check if their application run on a single instance, on the local machine.

Inheritance Hierarchy

 [System Object](#) **AltarNet SingleInstance**

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public class SingleInstance : IDisposable
```

See Also


[SingleInstance Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.








The [SingleInstance](#) type exposes the following members.

Constructors

	Name	Description
	SingleInstance	Create a single instance.


[Back to Top](#)

Methods

	Name	Description
	Dispose	Dispose of the single instance.
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)


[Back to Top](#)

Properties

	Name	Description
	IsSingle	Get the state of the instance.

[Back to Top](#)

Events

	Name	Description
	ArgumentsReceived	The event is called when a non-unique instance send it's arguments to the unique one.

[Back to Top](#)

See Also

[SingleInstance Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Create a single instance.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public SingleInstance(  
    int port,  
    string[] args = null,  
    int readTimeout = 5000,  
    int tryTimeout = 500  
)
```

Parameters

port

Type:  [System Int32](#)

The port to listen to locally

args (Optional)

Type:  [System String](#)

Optional, the arguments to send if the instance is non-unique

readTimeout (Optional)

Type:  [System Int32](#)

A timeout value in milliseconds until a non-unique client is automatically disconnected

tryTimeout (Optional)

Type:  [System Int32](#)

A timeout value in milliseconds that represent the amout of time it will try to find and connect to the unique instance, if any

See Also
























[SingleInstance Class](#)

[SingleInstance Members](#)

[AltarNet Namespace](#)

The [SingleInstance](#) type exposes the following members.

Methods

	Name	Description
	Dispose	Dispose of the single instance.
	 Equals	Determines whether the specified  Object is equal to the current  Object . (Inherited from  Object .)
	 Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from  Object .)
	 GetHashCode	Serves as a hash function for a particular type. (Inherited from  Object .)
	 GetType	Gets the  Type of the current instance. (Inherited from  Object .)
	 MemberwiseClone	Creates a shallow copy of the current  Object . (Inherited from  Object .)
	 ToString	Returns a string that represents the current object. (Inherited from  Object .)

[Back to Top](#)

See Also

[SingleInstance Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Dispose of the single instance.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public void Dispose()
```

Implements

 [IDisposable.Dispose](#)

See Also

[SingleInstance Class](#)


[SingleInstance Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [SingleInstance](#) type exposes the following members.

Properties

	Name	Description
	IsSingle	Get the state of the instance.

[Back to Top](#)

See Also

[SingleInstance Class](#)

[AltarNet Namespace](#)

Send [Feedback](#) on this topic.

Get the state of the instance.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

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

Property Value

Type:  [Boolean](#)

See Also

[SingleInstance Class](#)


[SingleInstance Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [SingleInstance](#) type exposes the following members.

Events

	Name	Description
	ArgumentsReceived	The event is called when a non-unique instance send it's arguments to the unique one.

[Back to Top](#)

See Also

[SingleInstance Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

SingleInstance ArgumentsReceived Event

AltarNet3 - TCP/UDP/FTP
Library

The event is called when a non-unique instance send it's arguments to the unique one.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public event EventHandler<ArgumentsEventArgs> ArgumentsReceived
```

Value

Type:  [System EventHandler ArgumentsEventArgs](#)

See Also

[SingleInstance Class](#)

[SingleInstance Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

This class helps with the creation, obtention and removal of self-signed SSL Certificates.

Inheritance Hierarchy

 [System.Object](#) **AltarNet.SslHelper**

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public static class SslHelper
```

See Also




[SslHelper Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [SslHelper](#) type exposes the following members.

Methods

	Name	Description
	GetCertificatesName	This will iterate through the store's certificates and return their subject name.
	GetOrCreateSelfSignedCertificate	This method of convenience allow the user to get a previously created SSL Self-Signed Certificate. It will create it if it doesn't exist. Example of SubjectName : CN=altarapp.com
	RemoveCertificate	This will remove a named SSL Certificate if it exist. Do nothing otherwise.

[Back to Top](#)

See Also




[SslHelper Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [SslHelper](#) type exposes the following members.

Methods

	Name	Description
	GetCertificatesName	This will iterate through the store's certificates and return their subject name.
	GetOrCreateSelfSignedCertificate	This method of convenience allow the user to get a previously created SSL Self-Signed Certificate. It will create it if it doesn't exist. Example of SubjectName : CN=altarapp.com
	RemoveCertificate	This will remove a named SSL Certificate if it exist. Do nothing otherwise.

[Back to Top](#)

See Also

[SslHelper Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

SslHelper GetCertificatesName Method

AltarNet3 - TCP/UDP/FTP
Library

This will iterate through the store's certificates and return their subject name.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public static IEnumerable<string> GetCertificatesName()
```

Return Value

Type:  [IEnumerable](#)  [String](#)

An iteration of all certificates' subject name

See Also

[SslHelper Class](#)

[SslHelper Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

SslHelper GetOrCreateSelfSignedCertificate Method

AltarNet3 -
TCP/UDP/FTP Library

This method of convenience allow the user to get a previously created SSL Self-Signed Certificate. It will create it if it doesn't exist. Example of SubjectName : CN=altarapp.com

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public static X509Certificate2 GetOrCreateSelfSignedCertificate (
    string subjectName,
    Nullable<DateTime> expiration = null
)
```

Parameters

subjectName

Type:  [System String](#)

The certificate's subject name

expiration (Optional)

Type:  [System Nullable](#)  [DateTime](#)

The expiration date for the certificate (Default to now + 25 years)

Return Value

Type:  [X509Certificate2](#)

The ssl certificate

See Also

[SslHelper Class](#)

[SslHelper Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

SslHelper RemoveCertificate Method

AltarNet3 - TCP/UDP/FTP Library

This will remove a named SSL Certificate if it exist. Do nothing otherwise.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public static void RemoveCertificate(  
    string subjectName  
)
```

Parameters

subjectName

Type:  [System String](#)

[Missing <param name="subjectName"/> documentation for
"M:AltarNet.SslHelper.RemoveCertificate(System.String)"]

See Also

[SslHelper Class](#)

[SslHelper Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Represent a TCP client, to connect to a server.

Inheritance Hierarchy

 [System.Object](#) **AltarNet.TcpClientHandler**

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public class TcpClientHandler : ITcpHandler
```

See Also


[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

































The [TcpClientHandler](#) type exposes the following members.









Constructors

	Name	Description
	TcpClientHandler	Create the client.

[Back to Top](#)









Methods

	Name	Description
	Connect	Attempt a connection.
	ConnectAsync	Attempt a connection.
	Disconnect	Disconnect the client, if connected. Do nothing otherwise.
	 Equals	Determines whether the specified  Object is equal to the current  Object . (Inherited from  Object .)
	 Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from  Object .)
	 GetHashCode	Serves as a hash function for a particular type. (Inherited from  Object .)
	 GetType	Gets the  Type of the current instance. (Inherited from  Object .)
	 MemberwiseClone	Creates a shallow copy of the current  Object . (Inherited from  Object .)
	OnDisconnect	Overrideable. Called when the client is disconnected.
	OnReceiveError	Overrideable. Called when an error occur while receiving messages.
	OnReceiveFragment	Overrideable. Called when a fragment of a packet is received.
	OnReceiveFull	Overrideable. Called when a packet is completed and is desired to be whole.
	OnSslError	Overrideable. Called when an error occur while starting the SSL connection.
	OnSslValidationRequest	Overrideable. Called when an SSL connection is being validated.
	ReportDisconnection	Not much useful outside internal callings.
	ReportPacketFragment	Not much useful outside internal callings.
	ReportReceiveError	Not much useful outside internal callings.
	ReportSslError	Not much useful outside internal callings.

	ReportSslValidate	Not much useful outside internal callings.
	Send	Send an array of bytes, given an offset, length and if the 4 bytes length is sent before the real message.
	SendAsync	Send an array of bytes, given an offset, length and if the 4 bytes length is sent before the real message.
	SendFile	Send a whole file, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.
	SendFileAsync	Send a whole file, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.
	 ToString	Returns a string that represents the current object. (Inherited from  Object .)







[Back to Top](#)

Properties

	Name	Description
	BufferSize	Get the buffer size for reading messages. Default : TcpClientInfo.BUFFERSIZE
	InfoHandler	The informations handler of the client.
	IsLengthInOneFrame	Get or set weither the length of a packet is combined into one with the data.
	LastConnectError	Get the exception generated if a connection fail.
	ObtainFullPackets	Get or set weither packets are buffered in memory. If the event ReceivedFull is non-null, this is ignored. Only useful in the case that you are overriding OnReceiveFull.
	Port	The port the client is set to connect to.
	ServerAddress	The server the client is set to connect to.
	SSLTargetHost	Get or set the target host used with an SSL connection. Disabled if null.

[Back to Top](#)

Events

	Name	Description
	Disconnected	Called when the client is disconnected.
	ReceivedFragment	Called when a fragment of a packet is received.
	ReceivedFull	Called when a packet is completed and is desired to be whole.
	ReceiveError	Called when an error occur while receiving messages.
	SslError	Called when an error occur while starting the SSL connection.
	SslValidationRequested	Called when an SSL connection is being validated.

[Back to Top](#)

See Also

[TcpClientHandler Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Create the client.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public TcpClientHandler(  
    IPAddress addr,  
    int port,  
    int buffersize = 16384  
)
```

Parameters

addr

Type:  [System.Net IPAddress](#)

The address to connect to

port

Type:  [System Int32](#)

The port to connect to

buffersize (Optional)

Type:  [System Int32](#)

The buffersize for reading messages

See Also

[TcpClientHandler Class](#)





































[TcpClientHandler Members](#)





[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpClientHandler](#) type exposes the following members.

Methods

	Name	Description
	Connect	Attempt a connection.
	ConnectAsync	Attempt a connection.
	Disconnect	Disconnect the client, if connected. Do nothing otherwise.
	 Equals	Determines whether the specified  Object is equal to the current  Object . (Inherited from  Object .)
	 Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from  Object .)
	 GetHashCode	Serves as a hash function for a particular type. (Inherited from  Object .)
	 GetType	Gets the  Type of the current instance. (Inherited from  Object .)
	 MemberwiseClone	Creates a shallow copy of the current  Object . (Inherited from  Object .)
	OnDisconnect	Overrideable. Called when the client is disconnected.
	OnReceiveError	Overrideable. Called when an error occur while receiving messages.
	OnReceiveFragment	Overrideable. Called when a fragment of a packet is received.
	OnReceiveFull	Overrideable. Called when a packet is completed and is desired to be whole.
	OnSslError	Overrideable. Called when an error occur while starting the SSL connection.
	OnSslValidationRequest	Overrideable. Called when an SSL connection is being validated.
	ReportDisconnection	Not much useful outside internal callings.
	ReportPacketFragment	Not much useful outside internal callings.
	ReportReceiveError	Not much useful outside internal callings.
	ReportSslError	Not much useful outside internal callings.
	ReportSslValidate	Not much useful outside internal callings.
	Send	Send an array of bytes, given an offset, length and if the 4 bytes length is sent before the real message.
	SendAsync	Send an array of bytes, given an offset, length and if the 4 bytes length is sent before the real message.
	SendFile	Send a whole file, given a prebuffer and a postbuffer, and if the 8 bytes length is

		sent before the real message.
	SendFileAsync	Send a whole file, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.
	 ToString	Returns a string that represents the current object. (Inherited from  Object .)

[Back to Top](#)

See Also

[TcpClientHandler Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Attempt a connection.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public bool Connect()
```

Return Value

Type:  [Boolean](#)

True if successful, false otherwise

Remarks

If it fail, check the LastConnectError property to see the details of the failure.

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientHandler ConnectAsync Method

AltarNet3 - TCP/UDP/FTP
Library

Attempt a connection.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task<bool> ConnectAsync()
```

Return Value

Type:  [Task](#)  [Boolean](#)

True if successful, false otherwise

Remarks

If it fail, check the LastConnectError property to see the details of the failure.

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Disconnect the client, if connected. Do nothing otherwise.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void Disconnect()
```

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientHandler OnDisconnect Method

AltarNet3 - TCP/UDP/FTP
Library

Overrideable. Called when the client is disconnected.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
protected virtual void OnDisconnect ()
```

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientHandler OnReceiveError Method

AltarNet3 - TCP/UDP/FTP
Library

Overrideable. Called when an error occur while receiving messages.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)


Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
protected virtual void OnReceiveError(  
    Exception e  
)
```

Parameters

e
Type:  [System Exception](#)
The error

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientHandler OnReceiveFragment Method

AltarNet3 - TCP/UDP/FTP
Library

Overrideable. Called when a fragment of a packet is received.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
protected virtual void OnReceiveFragment (
    TcpFragment packet
)
```

Parameters

packet

Type: [AltarNet TcpFragment](#)

The packet

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientHandler OnReceiveFull Method

AltarNet3 - TCP/UDP/FTP
Library

Overrideable. Called when a packet is completed and is desired to be whole.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
protected virtual void OnReceiveFull(  
    byte[] data  
)
```

Parameters

data

Type:  [System Byte](#)

The whole packet

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Overrideable. Called when an error occur while starting the SSL connection.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
protected virtual void OnSslError(  
    Exception e  
)
```

Parameters

e

Type:  [System Exception](#)

The error

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

<h1>TcpClientHandler.OnSslValidationRequest Method</h1>	AltarNet3 - TCP/UDP/FTP Library
---	---------------------------------

Overrideable. Called when an SSL connection is being validated.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
protected virtual Nullable<bool> OnSslValidationRequest (  
    Object sender,  
    X509Certificate certificate,  
    X509Chain chain,  
    SslPolicyErrors sslPolicyErrors  
)
```

Parameters

sender

Type:  [System Object](#)

The sender

certificate

Type:  [System.Security.Cryptography.X509Certificates X509Certificate](#)

The certificate

chain

Type:  [System.Security.Cryptography.X509Certificates X509Chain](#)

The chain

sslPolicyErrors

Type:  [System.Net.Security SslPolicyErrors](#)

The policy errors

Return Value

Type:  [Nullable](#)  [Boolean](#)

[Missing <returns> documentation for

"M:AltarNet.TcpClientHandler.OnSslValidationRequest(System.Object,System.Security.Cryptography.X509Certific

See Also

[TcpClientHandler Class](#)

TcpClientHandler Members

AltairNet Namespace

[Send Feedback](#) on this topic.

TcpClientHandler ReportDisconnection Method

AltarNet3 - TCP/UDP/FTP
Library

Not much useful outside internal callings.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void ReportDisconnection(  
    TcpClientInfo info  
)
```

Parameters

info

Type: [AltarNet TcpClientInfo](#)

The disconnected client

Implements

[ITcpHandler ReportDisconnection\(TcpClientInfo\)](#)

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientHandler ReportPacketFragment Method

AltarNet3 - TCP/UDP/FTP
Library

Not much useful outside internal callings.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void ReportPacketFragment(  
    TcpClientInfo info,  
    TcpFragment packet  
)
```

Parameters

info

Type: [AltarNet TcpClientInfo](#)

The client

packet

Type: [AltarNet TcpFragment](#)

The packet

Implements

[ITcpHandler ReportPacketFragment\(TcpClientInfo, TcpFragment\)](#)

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientHandler ReportReceiveError Method

AltarNet3 - TCP/UDP/FTP
Library

Not much useful outside internal callings.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void ReportReceiveError(  
    TcpClientInfo info,  
    Exception e  
)
```

Parameters

info

Type: [AltarNet TcpClientInfo](#)

The client

e

Type:  [System Exception](#)

The error

Implements

[ITcpHandler ReportReceiveError\(TcpClientInfo, Exception\)](#)

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientHandler ReportSslError Method

AltarNet3 - TCP/UDP/FTP
Library

Not much useful outside internal callings.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void ReportSslError(  
    TcpClientInfo info,  
    Exception e  
)
```

Parameters

info

Type: [AltarNet TcpClientInfo](#)

The client

e

Type:  [System Exception](#)

The error

Implements

[ITcpHandler ReportSslError\(TcpClientInfo, Exception\)](#)

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Not much useful outside internal callings.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Nullable<bool> ReportSslValidate(  
    Object sender,  
    X509Certificate certificate,  
    X509Chain chain,  
    SslPolicyErrors sslPolicyErrors  
)
```

Parameters

sender

Type:  [System Object](#)

The sender

certificate

Type:  [System.Security.Cryptography.X509Certificates X509Certificate](#)

The certificate

chain

Type:  [System.Security.Cryptography.X509Certificates X509Chain](#)

The chain

sslPolicyErrors

Type:  [System.Net.Security SslPolicyErrors](#)

The policy errors

Return Value

Type:  [Nullable](#)  [Boolean](#)

[Missing <returns> documentation for

"M:AltarNet.TcpClientHandler.ReportSslValidate(System.Object,System.Security.Cryptography.X509Certificates.X

Implements

[ITcpHandler ReportSslValidate\(Object, X509Certificate, X509Chain, SslPolicyErrors\)](#)

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltairNet Namespace](#)

[Send Feedback](#) on this topic.

Send an array of bytes, given an offset, length and if the 4 bytes length is sent before the real message.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void Send(  
    byte[] data,  
    int offset = 0,  
    Nullable<int> count = null,  
    bool withLengthPrefixed = true  
)
```

Parameters

data

Type:  [System Byte](#)

The data to send

offset (Optional)

Type:  [System Int32](#)


The offset of the data

count (Optional)

Type:  [System Nullable](#)  [Int32](#)

The length to read from the data (if null, will take full length)

withLengthPrefixed (Optional)

Type:  [System Boolean](#)

if the 4 bytes length is sent before the real message

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

Send an array of bytes, given an offset, length and if the 4 bytes length is sent before the real message.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task SendAsync(  
    byte[] data,  
    int offset = 0,  
    Nullable<int> count = null,  
    bool withLengthPrefixed = true  
)
```

Parameters

data

Type:  [System Byte](#)

The data to send

offset (Optional)

Type:  [System Int32](#)


The offset of the data

count (Optional)

Type:  [System Nullable](#)  [Int32](#)

The length to read from the data (if null, will take full length)

withLengthPrefixed (Optional)

Type:  [System Boolean](#)

if the 4 bytes length is sent before the real message

Return Value

Type:  [Task](#)

A Task

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[Send Feedback](#) on this topic.

Send a whole file, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void SendFile(  
    string filepath,  
    byte[] preBuffer = null,  
    byte[] postBuffer = null,  
    bool withLengthPrefixed = true,  
    bool preBufferIsBeforeLength = false  
)
```

Parameters

filepath

Type:  [System String](#)

The path to the file

preBuffer (Optional)

Type:  [System Byte](#)

A prefixed buffer

postBuffer (Optional)

Type:  [System Byte](#)

A suffixed buffer

withLengthPrefixed (Optional)

Type:  [System Boolean](#)

if the 4 bytes length is sent before the real message

preBufferIsBeforeLength (Optional)

Type:  [System Boolean](#)

Weither the prebuffer is placed before the length prefix (if applicable)

Remarks

If withLengthPrefixed is true, it's important for the receiving end to know that he is

receiving a longer a 8 bytes length prefix. For the receiving end and within this class, you can set 'InfoHandler.ReadNextAsLong' to true to do so.

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientHandler SendFileAsync Method

AltarNet3 - TCP/UDP/FTP
Library

Send a whole file, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task SendFileAsync(  
    string filepath,  
    byte[] preBuffer = null,  
    byte[] postBuffer = null,  
    bool withLengthPrefixed = true,  
    bool preBufferIsBeforeLength = false  
)
```

Parameters

filepath

Type:  [System String](#)

The path to the file

preBuffer (Optional)

Type:  [System Byte](#)

A prefixed buffer

postBuffer (Optional)

Type:  [System Byte](#)

A suffixed buffer

withLengthPrefixed (Optional)

Type:  [System Boolean](#)


if the 4 bytes length is sent before the real message

preBufferIsBeforeLength (Optional)

Type:  [System Boolean](#)

Weither the prebuffer is placed before the length prefix (if applicable)

Return Value

Type:  [Task](#)

A Task

Remarks

If `withLengthPrefixed` is true, it's important for the receiving end to know that he is receiving a longer a 8 bytes length prefix. For the receiving end and within this class, you can set `'InfoHandler.ReadNextAsLong'` to true to do so.

See Also

[TcpClientHandler Class](#)









[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpClientHandler](#) type exposes the following members.

Properties

	Name	Description
	BufferSize	Get the buffer size for reading messages. Default : TcpClientInfo.BUFFERSIZE
	InfoHandler	The informations handler of the client.
	IsLengthInOneFrame	Get or set weither the length of a packet is combined into one with the data.
	LastConnectError	Get the exception generated if a connection fail.
	ObtainFullPackets	Get or set weither packets are buffered in memory. If the event ReceivedFull is non-null, this is ignored. Only useful in the case that you are overriding OnReceiveFull.
	Port	The port the client is set to connect to.
	ServerAddress	The server the client is set to connect to.
	SSLTargetHost	Get or set the target host used with an SSL connection. Disabled if null.

[Back to Top](#)

See Also

[TcpClientHandler Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get the buffer size for reading messages. Default : TcpClientInfo.BUFFERSIZE

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public int BufferSize { get; private set; }
```

Property Value

Type:  [Int32](#)

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientHandler InfoHandler Property

AltarNet3 - TCP/UDP/FTP
Library

The informations handler of the client.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public TcpClientInfo InfoHandler { get; private set; }
```

Property Value

Type: [TcpClientInfo](#)

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientHandler IsLengthInOneFrame Property

AltarNet3 - TCP/UDP/FTP
Library

Get or set weither the length of a packet is combined into one with the data.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public bool IsLengthInOneFrame { get; set; }
```

Property Value

Type:  [Boolean](#)

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientHandler LastConnectError Property

AltarNet3 - TCP/UDP/FTP
Library

Get the exception generated if a connection fail.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Exception LastConnectError { get; private set; }
```

Property Value

Type:  [Exception](#)

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientHandler ObtainFullPackets Property

AltarNet3 - TCP/UDP/FTP
Library

Get or set whether packets are buffered in memory. If the event ReceivedFull is non-null, this is ignored. Only useful in the case that you are overriding OnReceiveFull.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public bool ObtainFullPackets { get; set; }
```

Property Value

Type:  [Boolean](#)

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The port the client is set to connect to.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public int Port { get; private set; }
```

Property Value

Type:  [Int32](#)

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientHandler ServerAddress Property

AltarNet3 - TCP/UDP/FTP
Library

The server the client is set to connect to.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public IPAddress ServerAddress { get; private set; }
```

Property Value

Type:  [IPAddress](#)

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientHandler SSLTargetHost Property

AltarNet3 - TCP/UDP/FTP
Library

Get or set the target host used with an SSL connection. Disabled if null.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public string SSLTargetHost { get; set; }
```

Property Value

Type:  [String](#)

See Also

[TcpClientHandler Class](#)







[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpClientHandler](#) type exposes the following members.

Events

	Name	Description
	Disconnected	Called when the client is disconnected.
	ReceivedFragment	Called when a fragment of a packet is received.
	ReceivedFull	Called when a packet is completed and is desired to be whole.
	ReceiveError	Called when an error occur while receiving messages.
	SslError	Called when an error occur while starting the SSL connection.
	SslValidationRequested	Called when an SSL connection is being validated.

[Back to Top](#)

See Also

[TcpClientHandler Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Called when the client is disconnected.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public event EventHandler<TcpEventArgs> Disconnected
```

Value

Type:  [System EventHandler TcpEventArgs](#)

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientHandler ReceivedFragment Event

AltarNet3 - TCP/UDP/FTP
Library

Called when a fragment of a packet is received.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public event EventHandler<TcpFragmentReceivedEventArgs> ReceivedFragment
```

Value

Type:  [System EventHandler TcpFragmentReceivedEventArgs](#)

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientHandler ReceivedFull Event

AltarNet3 - TCP/UDP/FTP Library

Called when a packet is completed and is desired to be whole.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public event EventHandler<TcpReceivedEventArgs> ReceivedFull
```

Value

Type:  [System EventHandler TcpReceivedEventArgs](#)

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Called when an error occur while receiving messages.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public event EventHandler<TcpErrorEventArgs> ReceiveError
```

Value

Type:  [System EventHandler TcpErrorEventArgs](#)

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Called when an error occur while starting the SSL connection.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public event EventHandler<TcpErrorEventArgs> SslError
```

Value

Type:  [System EventHandler TcpErrorEventArgs](#)

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientHandler SslValidationRequested Event

AltarNet3 - TCP/UDP/FTP
Library

Called when an SSL connection is being validated.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public event EventHandler SslValidationRequested
```

Value

Type:  [System EventHandler](#)

See Also

[TcpClientHandler Class](#)

[TcpClientHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Represent and manage the informations of a client, such as receiving, parsing and sending data.

Inheritance Hierarchy

 [System.Object](#) **AltarNet.TcpClientInfo**

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public class TcpClientInfo
```

See Also




























[TcpClientInfo Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.



The [TcpClientInfo](#) type exposes the following members.

Methods

	Name	Description
	Disconnect	Disconnect the client. Do nothing if already disconnected.
	 Equals	Determines whether the specified  Object is equal to the current  Object . (Inherited from  Object .)
	 Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from  Object .)
	 GetHashCode	Serves as a hash function for a particular type. (Inherited from  Object .)
	 GetType	Gets the  Type of the current instance. (Inherited from  Object .)
	 MemberwiseClone	Creates a shallow copy of the current  Object . (Inherited from  Object .)
	Send	Send an array of bytes, given an offset, length and if the 4 bytes length is sent before the real message.
	SendAsync	Send an array of bytes, given an offset, length and if the 4 bytes length is sent before the real message.
	SendFile	Send a whole file, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.
	SendFileAsync	Send a whole file, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.
	 ToString	Returns a string that represents the current object. (Inherited from  Object .)

[Back to Top](#)












Fields

	Name	Description
	BUFFERSIZE	The default reading buffer size. Default is 4*1024.
	FILEBUFFERSIZE	The default reading buffer size for file transfer. Default is 8*1024.

[Back to Top](#)

Properties

--	--	--

	Name	Description
	BufferSize	Get the buffer size for reading messages. Default : BUFFERSIZE
	Client	Get the socket.
	EnableSsl	Get the value determining whether it will use SSL or not. SSLServerCertificate must not be null when set to true.
	IsLengthInOneFrame	Get or set whether the length of a packet is combined into one with the data.
	Parent	Get the parent handler.
	ReadNextAsLong	If set to true, the next time a packet begins, it will read the length of it as 8 bytes (long) instead of 4 (int).
	ReadNextNotBuffered	If set to true, the next time a packet begins, it will not call the ReceivedFull event until the next packet.
	SSLServerCertificate	Get the certificate to use for SSL connections.
	SSLTargetHost	Get the target host used with an SSL connection. Disabled if null.
	Tag	Get or set a convenient object which can contain anything you want.
	Timeout	Get or set the amount in milliseconds the connection will stay alive without receiving anything. Setting it at 0 or less disables it. This supersedes a TcpServerHandler's ReadTimeout value.

[Back to Top](#)

See Also



[TcpClientInfo Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpClientInfo](#) type exposes the following members.

Fields

	Name	Description
	BUFFERSIZE	The default reading buffer size. Default is 4*1024.
	FILEBUFFERSIZE	The default reading buffer size for file transfer. Default is 8*1024.

[Back to Top](#)

See Also

[TcpClientInfo Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The default reading buffer size. Default is 4*1024.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)


Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public const int BUFFERSIZE
```

Field Value

Type:  [Int32](#)

See Also

[TcpClientInfo Class](#)

[TcpClientInfo Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The default reading buffer size for file transfer. Default is 8*1024.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)


Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public const int FILEBUFFERSIZE
```

Field Value

Type:  [Int32](#)

See Also

[TcpClientInfo Class](#)




























[TcpClientInfo Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpClientInfo](#) type exposes the following members.

Methods

	Name	Description
	Disconnect	Disconnect the client. Do nothing if already disconnected.
	 Equals	Determines whether the specified  Object is equal to the current  Object . (Inherited from  Object .)
	 Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from  Object .)
	 GetHashCode	Serves as a hash function for a particular type. (Inherited from  Object .)
	 GetType	Gets the  Type of the current instance. (Inherited from  Object .)
	 MemberwiseClone	Creates a shallow copy of the current  Object . (Inherited from  Object .)
	Send	Send an array of bytes, given an offset, length and if the 4 bytes length is sent before the real message.
	SendAsync	Send an array of bytes, given an offset, length and if the 4 bytes length is sent before the real message.
	SendFile	Send a whole file, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.
	SendFileAsync	Send a whole file, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.
	 ToString	Returns a string that represents the current object. (Inherited from  Object .)

[Back to Top](#)

See Also

[TcpClientInfo Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Disconnect the client. Do nothing if already disconnected.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void Disconnect()
```

See Also

[TcpClientInfo Class](#)

[TcpClientInfo Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Send an array of bytes, given an offset, length and if the 4 bytes length is sent before the real message.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void Send(  
    byte[] data,  
    int offset = 0,  
    Nullable<int> count = null,  
    bool withLengthPrefixed = true  
)
```

Parameters

data

Type:  [System Byte](#)

The data to send

offset (Optional)

Type:  [System Int32](#)


The offset of the data

count (Optional)

Type:  [System Nullable](#)  [Int32](#)

The length to read from the data (if null, will take full length)

withLengthPrefixed (Optional)

Type:  [System Boolean](#)

if the 4 bytes length is sent before the real message

See Also

[TcpClientInfo Class](#)

[TcpClientInfo Members](#)

[AltarNet Namespace](#)

Send an array of bytes, given an offset, length and if the 4 bytes length is sent before the real message.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task SendAsync(  
    byte[] data,  
    int offset = 0,  
    Nullable<int> count = null,  
    bool withLengthPrefixed = true  
)
```

Parameters

data

Type:  [System Byte](#)

The data to send

offset (Optional)

Type:  [System Int32](#)


The offset of the data

count (Optional)

Type:  [System Nullable](#)  [Int32](#)

The length to read from the data (if null, will take full length)

withLengthPrefixed (Optional)

Type:  [System Boolean](#)

if the 4 bytes length is sent before the real message

Return Value

Type:  [Task](#)

A Task

See Also

[TcpClientInfo Class](#)

[TcpClientInfo Members](#)

[Send Feedback](#) on this topic.

Send a whole file, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void SendFile(  
    string filepath,  
    byte[] preBuffer = null,  
    byte[] postBuffer = null,  
    bool withLengthPrefixed = true,  
    bool preBufferIsBeforeLength = false  
)
```

Parameters

filepath

Type:  [System String](#)

[Missing <param name="filepath"/> documentation for

"M:AltarNet.TcpClientInfo.SendFile(System.String,System.Byte[],System.Byte[],System.Boolean,System.Boolean)

preBuffer (Optional)

Type:  [System Byte](#)

[Missing <param name="preBuffer"/> documentation for

"M:AltarNet.TcpClientInfo.SendFile(System.String,System.Byte[],System.Byte[],System.Boolean,System.Boolean)

postBuffer (Optional)

Type:  [System Byte](#)

[Missing <param name="postBuffer"/> documentation for

"M:AltarNet.TcpClientInfo.SendFile(System.String,System.Byte[],System.Byte[],System.Boolean,System.Boolean)

withLengthPrefixed (Optional)

Type:  [System Boolean](#)

[Missing <param name="withLengthPrefixed"/> documentation for

"M:AltarNet.TcpClientInfo.SendFile(System.String,System.Byte[],System.Byte[],System.Boolean,System.Boolean)

preBufferIsBeforeLength (Optional)

Type:  [System Boolean](#)

Weither the prebuffer is placed before the length prefix (if applicable)

Remarks

If withLengthPrefixed is true, it's important for the receiving end to know that he is receiving a longer a 8 bytes length prefix. For the receiving end and within this class, you can set ReadNextAsLong to true to do so.

See Also

[TcpClientInfo Class](#)

[TcpClientInfo Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientInfo SendFileAsync Method

AltarNet3 - TCP/UDP/FTP Library

Send a whole file, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task SendFileAsync(  
    string filepath,  
    byte[] preBuffer = null,  
    byte[] postBuffer = null,  
    bool withLengthPrefixed = true,  
    bool preBufferIsBeforeLength = false  
)
```

Parameters

filepath

Type:  [System String](#)

[Missing <param name="filepath"/> documentation for

"M:AltarNet.TcpClientInfo.SendFileAsync(System.String,System.Byte[],System.Byte[],System.Boolean,System.E

preBuffer (Optional)

Type:  [System Byte](#)

[Missing <param name="preBuffer"/> documentation for

"M:AltarNet.TcpClientInfo.SendFileAsync(System.String,System.Byte[],System.Byte[],System.Boolean,System.E

postBuffer (Optional)

Type:  [System Byte](#)

[Missing <param name="postBuffer"/> documentation for

"M:AltarNet.TcpClientInfo.SendFileAsync(System.String,System.Byte[],System.Byte[],System.Boolean,System.E

withLengthPrefixed (Optional)

Type:  [System Boolean](#)

[Missing <param name="withLengthPrefixed"/> documentation for


"M:AltarNet.TcpClientInfo.SendFileAsync(System.String,System.Byte[],System.Byte[],System.Boolean,System.E

preBufferIsBeforeLength (Optional)

Type:  [System Boolean](#)

Weither the prebuffer is placed before the length prefix (if applicable)

Return Value

Type:  [Task](#)

A Task

Remarks

If withLengthPrefixed is true, it's important for the receiving end to know that he is receiving a longer a 8 bytes length prefix. For the receiving end and within this class, you can set ReadNextAsLong to true to do so.

See Also

[TcpClientInfo Class](#)












[TcpClientInfo Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpClientInfo](#) type exposes the following members.

Properties

	Name	Description
	BufferSize	Get the buffer size for reading messages. Default : BUFFERSIZE
	Client	Get the socket.
	EnableSsl	Get the value determining whether it will use SSL or not. SSLServerCertificate must not be null when set to true.
	IsLengthInOneFrame	Get or set whether the length of a packet is combined into one with the data.
	Parent	Get the parent handler.
	ReadNextAsLong	If set to true, the next time a packet begins, it will read the length of it as 8 bytes (long) instead of 4 (int).
	ReadNextNotBuffered	If set to true, the next time a packet begins, it will not call the ReceivedFull event until the next packet.
	SSLServerCertificate	Get the certificate to use for SSL connections.
	SSLTargetHost	Get the target host used with an SSL connection. Disabled if null.
	Tag	Get or set a convenient object which can contain anything you want.
	Timeout	Get or set the amount in milliseconds the connection will stay alive without receiving anything. Setting it at 0 or less disables it. This supersedes a TcpServerHandler's ReadTimeout value.

[Back to Top](#)

See Also

[TcpClientInfo Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get the buffer size for reading messages. Default : BUFFERSIZE

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public int BufferSize { get; private set; }
```

Property Value

Type:  [Int32](#)

See Also

[TcpClientInfo Class](#)

[TcpClientInfo Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get the socket.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public TcpClient Client { get; private set; }
```

Property Value

Type:  [TcpClient](#)

See Also

[TcpClientInfo Class](#)

[TcpClientInfo Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get the value determining whether it will use SSL or not. SSLServerCertificate must not be null when set to true.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public bool EnableSsl { get; internal set; }
```

Property Value

Type:  [Boolean](#)

See Also

[TcpClientInfo Class](#)

[TcpClientInfo Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientInfo IsLengthInOneFrame Property

AltarNet3 - TCP/UDP/FTP
Library

Get or set weither the length of a packet is combined into one with the data.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public bool IsLengthInOneFrame { get; internal set; }
```

Property Value

Type:  [Boolean](#)

See Also

[TcpClientInfo Class](#)

[TcpClientInfo Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get the parent handler.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public ITcpHandler Parent { get; private set; }
```

Property Value

Type: [ITcpHandler](#)

See Also

[TcpClientInfo Class](#)

[TcpClientInfo Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientInfo ReadNextAsLong Property

AltarNet3 - TCP/UDP/FTP
Library

If set to true, the next time a packet begin, it will read the length of it as 8 bytes (long) instead of 4 (int).

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public bool ReadNextAsLong { get; set; }
```

Property Value

Type:  [Boolean](#)

See Also

[TcpClientInfo Class](#)

[TcpClientInfo Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientInfo ReadNextNotBuffered Property

AltarNet3 - TCP/UDP/FTP
Library

If set to true, the next time a packet begin, it will not call the ReceivedFull event until the next packet.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public bool ReadNextNotBuffered { get; set; }
```

Property Value

Type:  [Boolean](#)

See Also

[TcpClientInfo Class](#)

[TcpClientInfo Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientInfo SSLServerCertificate Property

AltarNet3 - TCP/UDP/FTP
Library

Get the certificate to use for SSL connections.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public X509Certificate SSLServerCertificate { get; internal set; }
```

Property Value

Type:  [X509Certificate](#)

See Also

[TcpClientInfo Class](#)

[TcpClientInfo Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpClientInfo SSLTargetHost Property

AltarNet3 - TCP/UDP/FTP
Library

Get the target host used with an SSL connection. Disabled if null.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public string SSLTargetHost { get; internal set; }
```

Property Value

Type:  [String](#)

See Also

[TcpClientInfo Class](#)

[TcpClientInfo Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get or set a convenient object which can contains anything you want.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public Object Tag { get; set; }
```

Property Value

Type:  [Object](#)

See Also

[TcpClientInfo Class](#)

[TcpClientInfo Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get or set the amount in milliseconds the connection will stay alive without receiving anything. Setting it at 0 or less disable it. This supersede a TcpServerHandler's ReadTimeout value.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public int Timeout { get; set; }
```

Property Value

Type:  [Int32](#)

See Also

[TcpClientInfo Class](#)

[TcpClientInfo Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Represent some informations related to an error while reading messages.

Inheritance Hierarchy

 [System.Object](#)  [System.EventArgs](#)

AltarNet TcpEventArgs

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public class TcpEventArgs : EventArgs
```

See Also

[TcpEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.







The [TcpErrorEventArgs](#) type exposes the following members.

Constructors

	Name	Description
	TcpErrorEventArgs	Create the TcpErrorEventArgs.



[Back to Top](#)

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)

[Back to Top](#)

Properties

	Name	Description
	Client	The client involved.
	Error	The error which occurred.

[Back to Top](#)

See Also

[TcpErrorEventArgs Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Create the TcpErrorEventArgs.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public TcpErrorEventArgs(  
    TcpClientInfo info,  
    Exception e  
)
```

Parameters

info

Type: [AltarNet TcpClientInfo](#)

The client

e

Type:  [System Exception](#)

The error

See Also

[TcpErrorEventArgs Class](#)







[TcpErrorEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpErrorEventArgs](#) type exposes the following members.

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)

[Back to Top](#)

See Also



[TcpErrorEventArgs Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpErrorEventArgs](#) type exposes the following members.

Properties

	Name	Description
	Client	The client involved.
	Error	The error which occurred.

[Back to Top](#)

See Also

[TcpErrorEventArgs Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The client involved.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public TcpClientInfo Client { get; private set; }
```

Property Value

Type: [TcpClientInfo](#)

See Also

[TcpErrorEventArgs Class](#)

[TcpErrorEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The error which occurred.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public Exception Error { get; private set; }
```

Property Value

Type:  [Exception](#)

See Also

[TcpErrorEventArgs Class](#)

[TcpErrorEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Represent some generic informations related to a TCP event.

Inheritance Hierarchy

 [System.Object](#)  [System.EventArgs](#)

AltarNet.TcpEventArgs

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public class TcpEventArgs : EventArgs
```

See Also


[TcpEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.







The [TcpEventArgs](#) type exposes the following members.

Constructors

	Name	Description
	TcpEventArgs	Create the TcpEventArgs.


[Back to Top](#)

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)

[Back to Top](#)

Properties

	Name	Description
	Client	The client involved.

[Back to Top](#)

See Also

[TcpEventArgs Class](#)

[AltarNet Namespace](#)

Create the TcpEventArgs.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public TcpEventArgs (  
    TcpClientInfo info  
)
```

Parameters

info

Type: [AltarNet TcpClientInfo](#)

The client

See Also

[TcpEventArgs Class](#)







[TcpEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpEventArgs](#) type exposes the following members.

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)

[Back to Top](#)

See Also


[TcpEventArgs Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpEventArgs](#) type exposes the following members.

Properties

	Name	Description
	Client	The client involved.

[Back to Top](#)

See Also

[TcpEventArgs Class](#)

[AltarNet Namespace](#)

Send [Feedback](#) on this topic.

The client involved.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# VB C++ F#

[Copy to Clipboard](#) [Print](#)

```
public TcpClientInfo Client { get; private set; }
```

Property Value

Type: [TcpClientInfo](#)

See Also

[TcpEventArgs Class](#)

[TcpEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Represent a portion of one TCP message.

Inheritance Hierarchy

 [System.Object](#) **AltarNet.TcpFragment**

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public class TcpFragment
```

See Also









[TcpFragment Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.









The [TcpFragment](#) type exposes the following members.

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetPercentDone	Get the percentage of the message that has been received so far.
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)
	WriteToStream	This method automatically take the Data, CurrentOffset and CurrentReadCount properties and write the fragment's data into a given stream.

[Back to Top](#)

Properties

	Name	Description
	Completed	Get a value indicating whether the message is fully read.
	CumulativeReadCount	Get the cumulative read count for each pass. Also represent the current progress toward FullLength.
	CurrentOffset	Get the offset to start reading into Data.
	CurrentReadCount	Get the amount of bytes the current fragment has read. Not to be confused with CumulativeReadCount.
	Data	Get the array of bytes from which the fragment has informations. To be used with CurrentOffset and CurrentReadCount to determinate the fragment.
	FullLength	Gets the full length.
	LengthFound	Get a value indicating whether the Length of the message has been read.
	Tag	Get or set a convenient object which can contains anything you want.

[Back to Top](#)

See Also









[TcpFragment Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpFragment](#) type exposes the following members.

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetPercentDone	Get the percentage of the message that has been received so far.
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)
	WriteToStream	This method automatically take the Data, CurrentOffset and CurrentReadCount properties and write the fragment's data into a given stream.

[Back to Top](#)

See Also

[TcpFragment Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpFragment GetPercentDone Method

AltarNet3 - TCP/UDP/FTP
Library

Get the percentage of the message that has been received so far.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public int GetPercentDone()
```

Return Value

Type:  [Int32](#)

The percent, between 0 and 100

See Also

[TcpFragment Class](#)

[TcpFragment Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpFragment WriteToStream Method

AltarNet3 - TCP/UDP/FTP Library

This method automatically take the Data, CurrentOffset and CurrentReadCount properties and write the fragment's data into a given stream.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void WriteToStream(  
    Stream stream  
)
```

Parameters

stream

Type:  [System.IO Stream](#)

The stream to write to

See Also

[TcpFragment Class](#)









[TcpFragment Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpFragment](#) type exposes the following members.

Properties

	Name	Description
	Completed	Get a value indicating whether the message is fully read.
	CumulativeReadCount	Get the cumulative read count for each pass. Also represent the current progress toward FullLength.
	CurrentOffset	Get the offset to start reading into Data.
	CurrentReadCount	Get the amount of bytes the current fragment has read. Not to be confused with CumulativeReadCount.
	Data	Get the array of bytes from which the fragment has informations. To be used with CurrentOffset and CurrentReadCount to determinate the fragment.
	FullLength	Gets the full length.
	LengthFound	Get a value indicating whether the Length of the message has been read.
	Tag	Get or set a convenient object which can contains anything you want.

[Back to Top](#)

See Also

[TcpFragment Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get a value indicating whether the message is fully read.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public bool Completed { get; internal set; }
```

Property Value

Type:  [Boolean](#)

See Also

[TcpFragment Class](#)

[TcpFragment Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpFragment CumulativeReadCount Property

AltarNet3 - TCP/UDP/FTP
Library

Get the cumulative read count for each pass. Also represent the current progress toward FullLength.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public long CumulativeReadCount { get; internal set; }
```

Property Value

Type:  [Int64](#)

See Also

[TcpFragment Class](#)

[TcpFragment Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpFragment CurrentOffset Property

AltarNet3 - TCP/UDP/FTP Library

Get the offset to start reading into Data.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public int CurrentOffset { get; internal set; }
```

Property Value

Type:  [Int32](#)

See Also

[TcpFragment Class](#)

[TcpFragment Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpFragment CurrentReadCount Property

AltarNet3 - TCP/UDP/FTP
Library

Get the amount of bytes the current fragment has read. Not to be confused with CumulativeReadCount.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public int CurrentReadCount { get; internal set; }
```

Property Value

Type:  [Int32](#)

See Also

[TcpFragment Class](#)

[TcpFragment Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get the array of bytes from which the fragment has informations. To be used with CurrentOffset and CurrentReadCount to determinate the fragment.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public byte[] Data { get; internal set; }
```

Property Value

Type:  [Byte](#)

See Also

[TcpFragment Class](#)

[TcpFragment Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Gets the full length.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public long FullLength { get; internal set; }
```

Property Value

Type:  [Int64](#)

See Also

[TcpFragment Class](#)

[TcpFragment Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get a value indicating whether the Length of the message has been read.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public bool LengthFound { get; internal set; }
```

Property Value

Type:  [Boolean](#)

See Also

[TcpFragment Class](#)

[TcpFragment Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get or set a convenient object which can contains anything you want.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Object Tag { get; set; }
```

Property Value

Type:  [Object](#)

See Also

[TcpFragment Class](#)

[TcpFragment Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpFragmentReceivedEventArgs Class

AltarNet3 - TCP/UDP/FTP Library

Represent the informations sent with the ReceivedFragment event.

Inheritance Hierarchy

 [System Object](#)  [System EventArgs](#)

AltarNet TcpFragmentReceivedEventArgs

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public class TcpFragmentReceivedEventArgs : EventArgs
```

See Also


[TcpFragmentReceivedEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.























The [TcpFragmentReceivedEventArgs](#) type exposes the following members.

Constructors

	Name	Description
	TcpFragmentReceivedEventArgs	Create the TcpFragmentReceivedEventArgs.



[Back to Top](#)

Methods

	Name	Description
	 Equals	Determines whether the specified  Object is equal to the current  Object . (Inherited from  Object .)
	 Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from  Object .)
	 GetHashCode	Serves as a hash function for a particular type. (Inherited from  Object .)
	 GetType	Gets the  Type of the current instance. (Inherited from  Object .)
	 MemberwiseClone	Creates a shallow copy of the current  Object . (Inherited from  Object .)
	 ToString	Returns a string that represents the current object. (Inherited from  Object .)

[Back to Top](#)

Properties

	Name	Description
	Client	The client who sent the packet.
	Packet	The packet which was received.

[Back to Top](#)

See Also

[TcpFragmentReceivedEventArgs Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpFragmentReceivedEventArgs Constructor

AltarNet3 - TCP/UDP/FTP
Library

Create the TcpFragmentReceivedEventArgs.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public TcpFragmentReceivedEventArgs (  
    TcpClientInfo info,  
    TcpFragment packet  
)
```

Parameters

info

Type: [AltarNet TcpClientInfo](#)

The client

packet

Type: [AltarNet TcpFragment](#)

The packet fragment received

See Also

[TcpFragmentReceivedEventArgs Class](#)







[TcpFragmentReceivedEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpFragmentReceivedEventArgs](#) type exposes the following members.

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)

[Back to Top](#)

See Also

[TcpFragmentReceivedEventArgs Class](#)

[AltarNet Namespace](#)



[Send Feedback](#) on this topic.

TcpFragmentReceivedEventArgs Properties

AltarNet3 - TCP/UDP/FTP
Library

The [TcpFragmentReceivedEventArgs](#) type exposes the following members.

Properties

	Name	Description
	Client	The client who sent the packet.
	Packet	The packet which was received.

[Back to Top](#)

See Also

[TcpFragmentReceivedEventArgs Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpFragmentReceivedEventArgs Client Property

AltarNet3 - TCP/UDP/FTP
Library

The client who sent the packet.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public TcpClientInfo Client { get; private set; }
```

Property Value

Type: [TcpClientInfo](#)

See Also

[TcpFragmentReceivedEventArgs Class](#)

[TcpFragmentReceivedEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpFragmentReceivedEventArgs Packet Property

AltarNet3 - TCP/UDP/FTP
Library

The packet which was received.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public TcpFragment Packet { get; private set; }
```

Property Value

Type: [TcpFragment](#)

See Also

[TcpFragmentReceivedEventArgs Class](#)

[TcpFragmentReceivedEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Represent the informations sent with the ReceivedFull event.

Inheritance Hierarchy

 [System.Object](#)  [System.EventArgs](#)

AltarNet TcpReceivedEventArgs

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public class TcpReceivedEventArgs : EventArgs
```

See Also


[TcpReceivedEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.







The [TcpReceivedEventArgs](#) type exposes the following members.

Constructors

	Name	Description
	TcpReceivedEventArgs	Create the TcpReceivedEventArgs.



[Back to Top](#)

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)

[Back to Top](#)

Properties

	Name	Description
	Client	The client who sent the packet.
	Data	The full array of bytes of the packet.

[Back to Top](#)

See Also

[TcpReceivedEventArgs Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Create the TcpReceivedEventArgs.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public TcpReceivedEventArgs (  
    TcpClientInfo info,  
    byte[] data  
)
```

Parameters

info

Type: [AltarNet TcpClientInfo](#)

The client

data

Type:  [System Byte](#)

The full data

See Also

[TcpReceivedEventArgs Class](#)







[TcpReceivedEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpReceivedEventArgs](#) type exposes the following members.

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)

[Back to Top](#)

See Also



[TcpReceivedEventArgs Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpReceivedEventArgs](#) type exposes the following members.

Properties

	Name	Description
	Client	The client who sent the packet.
	Data	The full array of bytes of the packet.

[Back to Top](#)

See Also

[TcpReceivedEventArgs Class](#)

[AltarNet Namespace](#)

Send [Feedback](#) on this topic.

TcpReceivedEventArgs Client Property

AltarNet3 - TCP/UDP/FTP
Library

The client who sent the packet.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public TcpClientInfo Client { get; private set; }
```

Property Value

Type: [TcpClientInfo](#)

See Also

[TcpReceivedEventArgs Class](#)

[TcpReceivedEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpReceivedEventArgs Data Property

AltarNet3 - TCP/UDP/FTP Library

The full array of bytes of the packet.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

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

Property Value

Type:  [Byte](#)

See Also

[TcpReceivedEventArgs Class](#)

[TcpReceivedEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Represent a TCP server, accepting clients.

Inheritance Hierarchy

 [System.Object](#) **AltarNet.TcpServerHandler**

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public class TcpServerHandler : ITcpHandler
```

See Also


[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

































The [TcpServerHandler](#) type exposes the following members.
















Constructors

	Name	Description
	TcpServerHandler	Create a TCP server, with the given address, port, read timeout and backlog limit.

[Back to Top](#)










Methods

	Name	Description
	DisconnectAll	Disconnect all connected clients.
	DisconnectClient	Disconnect the given client.
	 Equals	Determines whether the specified  Object is equal to the current  Object . (Inherited from  Object .)
	 Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from  Object .)
	 GetHashCode	Serves as a hash function for a particular type. (Inherited from  Object .)
	 GetType	Gets the  Type of the current instance. (Inherited from  Object .)
	 MemberwiseClone	Creates a shallow copy of the current  Object . (Inherited from  Object .)
	OnConnect	Overrideable. Called when a new connection is made.
	OnDisconnect	Overrideable. Called when a client is disconnected.
	OnMaxClientsReach	Overrideable. Called when the maximum amount of clients is reached.
	OnReceiveError	Overrideable. Called when an error occur while receiving messages.
	OnReceiveFragment	Overrideable. Called when a fragment of a packet is received.
	OnReceiveFull	Overrideable. Called when a packet is completed and is desired to be received whole.
	OnSslError	Overrideable. Called when an error occur while starting an SSL connection.
	ReportDisconnection	Not much useful outside internal callings.
	ReportPacketFragment	Not much useful outside internal callings.
	ReportReceiveError	Not much useful outside internal callings.
		

	ReportSslError	Not much useful outside internal callings.
	ReportSslValidate	Not much useful outside internal callings.
	Send	Send an array of bytes to the chosen client, given an offset, length and if the 4 bytes length is sent before the real message.
	SendAll	Send an array of bytes to ALL clients, given an offset, length and if the 4 bytes length is sent before the real message.
	SendAllAsync	Send an array of bytes to ALL clients, given an offset, length and if the 4 bytes length is sent before the real message.
	SendAllFile	Send a whole file to all clients, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.
	SendAllFileAsync	Send a whole file to all clients, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.
	SendAsync	Send an array of bytes to the chosen client, given an offset, length and if the 4 bytes length is sent before the real message.
	SendFile	Send a whole file to a chosen client, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.
	SendFileAsync	Send a whole file, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.
	Start	Start the server so that it accept connections, if it's not already started.
	Stop	Stop listening for new connections.
	 ToString	Returns a string that represents the current object. (Inherited from  Object .)








[Back to Top](#)

Properties

	Name	Description
	Backlog	The amount of simultaneous connection attempts the server may have.
	BufferSize	Get the buffer size for reading messages. Default : TcpClientInfo.BUFFERSIZE
	Clients	A collection of currently connected clients.
	IsLengthInOneFrame	Get or set weither the length of a packet is combined into one with the data.
	IsListening	Is true if the server is listening for new connections.
	MaxClients	Get or set the maximum amount of clients the server will unconditionally accept.
	ObtainFullPackets	Get or set weither packets are buffered in memory. If the event ReceivedFull is non-null, this is ignored. Only useful in the case that you are overriding OnReceiveFull.
	ReadTimeout	The default amount of time in milliseconds before a client is disconnected if nothing is received from it.
	SSLServerCertificate	The certificate to use for SSL connections. Setting this to non-null shall activate SSL.

[Back to Top](#)

Events

	Name	Description
	Connected	Called when a new connection is made.
	Disconnected	Called when a client is disconnected.
	MaxClientsReached	Called when the maximum amount of clients is reached.
	ReceivedFragment	Called when a fragment of a packet is received.
	ReceivedFull	Called when a packet is completed and is desired to be received whole.
	ReceiveError	Called when an error occur while receiving messages.
	SslError	Called when an error occur while starting an SSL connection.

[Back to Top](#)

See Also

[TcpServerHandler Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Create a TCP server, with the given address, port, read timeout and backlog limit.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# VB C++ F#

[Copy to Clipboard](#) [Print](#)

```
public TcpServerHandler(  
    IPAddress address,  
    int port,  
    int readTimeout = 0,  
    int backlog = 100,  
    int maxClients = 2147483647,  
    int buffersize = 16384  
)
```

Parameters

address

Type:  [System.Net IPAddress](#)

The address to listen

port

Type:  [System Int32](#)

The port to listen

readTimeout (Optional)

Type:  [System Int32](#)

The default read timeout

backlog (Optional)

Type:  [System Int32](#)

The backlog

maxClients (Optional)

Type:  [System Int32](#)

The maximum amount of clients. Default to Int.MaxValue

buffersize (Optional)

Type:  [System Int32](#)

The buffer size when reading messages

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)












[AltairNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpServerHandler](#) type exposes the following members.

Methods

	Name	Description
⇒	DisconnectAll	Disconnect all connected clients.
⇒	DisconnectClient	Disconnect the given client.
⇒	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
💡	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
⇒	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
⇒	GetType	Gets the Type of the current instance. (Inherited from Object .)
💡	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
💡	OnConnect	Overrideable. Called when a new connection is made.
💡	OnDisconnect	Overrideable. Called when a client is disconnected.
💡	OnMaxClientsReach	Overrideable. Called when the maximum amount of clients is reached.
💡	OnReceiveError	Overrideable. Called when an error occur while receiving messages.
💡	OnReceiveFragment	Overrideable. Called when a fragment of a packet is received.
💡	OnReceiveFull	Overrideable. Called when a packet is completed and is desired to be received whole.
💡	OnSslError	Overrideable. Called when an error occur while starting an SSL connection.
⇒	ReportDisconnection	Not much useful outside internal callings.
⇒	ReportPacketFragment	Not much useful outside internal callings.
⇒	ReportReceiveError	Not much useful outside internal callings.
⇒	ReportSslError	Not much useful outside internal callings.
⇒	ReportSslValidate	Not much useful outside internal callings.
⇒	Send	Send an array of bytes to the chosen client, given an offset, length and if the 4 bytes length is sent before the real message.
⇒	SendAll	Send an array of bytes to ALL clients, given an offset, length and if the 4 bytes length is sent before the real message.

	SendAllAsync	Send an array of bytes to ALL clients, given an offset, length and if the 4 bytes length is sent before the real message.
	SendAllFile	Send a whole file to all clients, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.
	SendAllFileAsync	Send a whole file to all clients, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.
	SendAsync	Send an array of bytes to the chosen client, given an offset, length and if the 4 bytes length is sent before the real message.
	SendFile	Send a whole file to a chosen client, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.
	SendFileAsync	Send a whole file, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.
	Start	Start the server so that it accept connections, if it's not already started.
	Stop	Stop listening for new connections.
	 ToString	Returns a string that represents the current object. (Inherited from  Object .)

[Back to Top](#)

See Also

- [TcpServerHandler Class](#)
- [AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler DisconnectAll Method

AltarNet3 - TCP/UDP/FTP
Library

Disconnect all connected clients.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void DisconnectAll()
```

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler DisconnectClient Method

AltarNet3 - TCP/UDP/FTP
Library

Disconnect the given client.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void DisconnectClient(  
    TcpClientInfo client  
)
```

Parameters

client

Type: [AltarNet TcpClientInfo](#)

The client

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler OnConnect Method

AltarNet3 - TCP/UDP/FTP
Library

Overrideable. Called when a new connection is made.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
protected virtual void OnConnect(  
    TcpClientInfo client  
)
```

Parameters

client

Type: [AltarNet TcpClientInfo](#)

The client

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler OnDisconnect Method

AltarNet3 - TCP/UDP/FTP
Library

Overrideable. Called when a client is disconnected.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
protected virtual void OnDisconnect(  
    TcpClientInfo client  
)
```

Parameters

client

Type: [AltarNet TcpClientInfo](#)

The client

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler OnMaxClientsReach Method

AltarNet3 - TCP/UDP/FTP
Library

Overrideable. Called when the maximum amount of clients is reached.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
protected virtual void OnMaxClientsReach(  
    TcpClientInfo client  
)
```

Parameters

client

Type: [AltarNet TcpClientInfo](#)

The client

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler OnReceiveError Method

AltarNet3 - TCP/UDP/FTP
Library

Overrideable. Called when an error occur while receiving messages.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
protected virtual void OnReceiveError(  
    TcpClientInfo client,  
    Exception e  
)
```

Parameters

client

Type: [AltarNet TcpClientInfo](#)

The client

e

Type:  [System Exception](#)

The error

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler OnReceiveFragment Method

AltarNet3 - TCP/UDP/FTP
Library

Overrideable. Called when a fragment of a packet is received.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
protected virtual void OnReceiveFragment (
    TcpClientInfo client,
    TcpFragment packet
)
```

Parameters

client

Type: [AltarNet TcpClientInfo](#)

The client

packet

Type: [AltarNet TcpFragment](#)

The received packet

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler OnReceiveFull Method

AltarNet3 - TCP/UDP/FTP
Library

Overrideable. Called when a packet is completed and is desired to be received whole.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
protected virtual void OnReceiveFull(  
    TcpClientInfo client,  
    byte[] data  
)
```

Parameters

client

Type: [AltarNet TcpClientInfo](#)

The client

data

Type:  [System Byte](#)

The whole packet

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Overrideable. Called when an error occur while starting an SSL connection.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
protected virtual void OnSslError(  
    TcpClientInfo client,  
    Exception e  
)
```

Parameters

client

Type: [AltarNet TcpClientInfo](#)

The client

e

Type:  [System Exception](#)

The error

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler ReportDisconnection Method

AltarNet3 - TCP/UDP/FTP
Library

Not much useful outside internal callings.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void ReportDisconnection(  
    TcpClientInfo client  
)
```

Parameters

client

Type: [AltarNet TcpClientInfo](#)

The disconnected client

Implements

[ITcpHandler ReportDisconnection\(TcpClientInfo\)](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler ReportPacketFragment Method

AltarNet3 - TCP/UDP/FTP
Library

Not much useful outside internal callings.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void ReportPacketFragment(  
    TcpClientInfo client,  
    TcpFragment packet  
)
```

Parameters

client

Type: [AltarNet TcpClientInfo](#)

The client

packet

Type: [AltarNet TcpFragment](#)

The packet

Implements

[ITcpHandler](#) [ReportPacketFragment\(TcpClientInfo, TcpFragment\)](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler ReportReceiveError Method

AltarNet3 - TCP/UDP/FTP
Library

Not much useful outside internal callings.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void ReportReceiveError(  
    TcpClientInfo client,  
    Exception e  
)
```

Parameters

client

Type: [AltarNet TcpClientInfo](#)

The client

e

Type:  [System Exception](#)

The error

Implements

[ITcpHandler ReportReceiveError\(TcpClientInfo, Exception\)](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler ReportSslError Method

AltarNet3 - TCP/UDP/FTP
Library

Not much useful outside internal callings.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void ReportSslError(  
    TcpClientInfo client,  
    Exception e  
)
```

Parameters

client

Type: [AltarNet TcpClientInfo](#)

The client

e

Type:  [System Exception](#)

The error

Implements

[ITcpHandler ReportSslError\(TcpClientInfo, Exception\)](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Not much useful outside internal callings.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Nullable<bool> ReportSslValidate(  
    Object sender,  
    X509Certificate certificate,  
    X509Chain chain,  
    SslPolicyErrors sslPolicyErrors  
)
```

Parameters

sender

Type:  [System Object](#)

The sender

certificate

Type:  [System.Security.Cryptography.X509Certificates X509Certificate](#)

The certificate

chain

Type:  [System.Security.Cryptography.X509Certificates X509Chain](#)

The chain

sslPolicyErrors

Type:  [System.Net.Security SslPolicyErrors](#)

The policy errors

Return Value

Type:  [Nullable](#)  [Boolean](#)

[Missing <returns> documentation for

"M:AltarNet.TcpServerHandler.ReportSslValidate(System.Object,System.Security.Cryptography.X509Certificates.)"

Implements

[ITcpHandler ReportSslValidate\(Object, X509Certificate, X509Chain, SslPolicyErrors\)](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltairNet Namespace](#)

[Send Feedback](#) on this topic.

Send an array of bytes to the chosen client, given an offset, length and if the 4 bytes length is sent before the real message.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void Send(  
    TcpClientInfo client,  
    byte[] data,  
    int offset = 0,  
    Nullable<int> count = null,  
    bool withLengthPrefixed = true  
)
```

Parameters

client

Type: [AltarNet TcpClientInfo](#)

The receiving client

data

Type:  [System Byte](#)

The data to send

offset (Optional)

Type:  [System Int32](#)

The offset of the data

count (Optional)

Type:  [System Nullable](#)  [Int32](#)

The length to read from the data (if null, will take full length)

withLengthPrefixed (Optional)

Type:  [System Boolean](#)

if the 4 bytes length is sent before the real message

See Also

[TcpServerHandler Class](#)

TcpServerHandler Members

AltairNet Namespace

[Send Feedback](#) on this topic.

Send an array of bytes to ALL clients, given an offset, length and if the 4 bytes length is sent before the real message.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void SendAll(  
    byte[] data,  
    int offset = 0,  
    Nullable<int> count = null,  
    bool withLengthPrefixed = true  
)
```

Parameters

data

Type:  [System Byte](#)

The data to send

offset (Optional)

Type:  [System Int32](#)


The offset of the data

count (Optional)

Type:  [System Nullable](#)  [Int32](#)

The length to read from the data (if null, will take full length)

withLengthPrefixed (Optional)

Type:  [System Boolean](#)

if the 4 bytes length is sent before the real message

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

TcpServerHandler SendAllAsync Method

AltarNet3 - TCP/UDP/FTP
Library

Send an array of bytes to ALL clients, given an offset, length and if the 4 bytes length is sent before the real message.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task SendAllAsync(  
    byte[] data,  
    int offset = 0,  
    Nullable<int> count = null,  
    bool withLengthPrefixed = true  
)
```

Parameters

data

Type:  [System Byte](#)

The data to send

offset (Optional)

Type:  [System Int32](#)

The offset of the data

count (Optional)

Type:  [System Nullable](#)  [Int32](#)

The length to read from the data (if null, will take full length)

withLengthPrefixed (Optional)

Type:  [System Boolean](#)

if the 4 bytes length is sent before the real message

Return Value

Type:  [Task](#)

A Task

See Also

[TcpServerHandler Class](#)

TcpServerHandler Members

AltairNet Namespace

[Send Feedback](#) on this topic.

TcpServerHandler SendAllFile Method

AltarNet3 - TCP/UDP/FTP
Library

Send a whole file to all clients, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void SendAllFile(  
    string filepath,  
    byte[] preBuffer = null,  
    byte[] postBuffer = null,  
    bool withLengthPrefixed = true,  
    bool preBufferIsBeforeLength = false  
)
```

Parameters

filepath

Type:  [System String](#)

The path to the file

preBuffer (Optional)

Type:  [System Byte](#)

A prefixed buffer

postBuffer (Optional)

Type:  [System Byte](#)

A suffixed buffer

withLengthPrefixed (Optional)

Type:  [System Boolean](#)

if the 4 bytes length is sent before the real message

preBufferIsBeforeLength (Optional)

Type:  [System Boolean](#)

Weither the prebuffer is placed before the length prefix (if applicable)

Remarks

If `withLengthPrefixed` is true, it's important for the receiving end to know that he is receiving a longer a 8 bytes length prefix. For the receiving end and within this class, you can set `'InfoHandler.ReadNextAsLong'` to true to do so.

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltairNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler SendAllFileAsync Method

AltarNet3 - TCP/UDP/FTP
Library

Send a whole file to all clients, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task SendAllFileAsync(  
    string filepath,  
    byte[] preBuffer = null,  
    byte[] postBuffer = null,  
    bool withLengthPrefixed = true,  
    bool preBufferIsBeforeLength = false  
)
```

Parameters

filepath

Type:  [System String](#)

The path to the file

preBuffer (Optional)

Type:  [System Byte](#)

A prefixed buffer

postBuffer (Optional)

Type:  [System Byte](#)

A suffixed buffer

withLengthPrefixed (Optional)

Type:  [System Boolean](#)


if the 4 bytes length is sent before the real message

preBufferIsBeforeLength (Optional)

Type:  [System Boolean](#)

Weither the prebuffer is placed before the length prefix (if applicable)

Return Value

Type:  [Task](#)

A Task

Remarks

If `withLengthPrefixed` is true, it's important for the receiving end to know that he is receiving a longer a 8 bytes length prefix. For the receiving end and within this class, you can set '`InfoHandler.ReadNextAsLong`' to true to do so.

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler SendAsync Method

AltarNet3 - TCP/UDP/FTP
Library

Send an array of bytes to the chosen client, given an offset, length and if the 4 bytes length is sent before the real message.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task SendAsync(  
    TcpClientInfo client,  
    byte[] data,  
    int offset = 0,  
    Nullable<int> count = null,  
    bool withLengthPrefixed = true  
)
```

Parameters

client

Type: [AltarNet TcpClientInfo](#)

The receiving client

data

Type:  [System Byte](#)

The data to send

offset (Optional)

Type:  [System Int32](#)

The offset of the data

count (Optional)

Type:  [System Nullable](#)  [Int32](#)


The length to read from the data (if null, will take full length)

withLengthPrefixed (Optional)

Type:  [System Boolean](#)

if the 4 bytes length is sent before the real message

Return Value

Type:  [Task](#)

A Task

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Send a whole file to a chosen client, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void SendFile(  
    TcpClientInfo client,  
    string filepath,  
    byte[] preBuffer = null,  
    byte[] postBuffer = null,  
    bool withLengthPrefixed = true,  
    bool preBufferIsBeforeLength = false  
)
```

Parameters

client

Type: [AltarNet TcpClientInfo](#)

The receiving client

filepath

Type:  [System String](#)

The path to the file

preBuffer (Optional)

Type:  [System Byte](#)

A prefixed buffer

postBuffer (Optional)

Type:  [System Byte](#)

A suffixed buffer

withLengthPrefixed (Optional)

Type:  [System Boolean](#)

if the 4 bytes length is sent before the real message

preBufferIsBeforeLength (Optional)

Type:  [System Boolean](#)

Weither the prebuffer is placed before the length prefix (if applicable)

Remarks

If `withLengthPrefixed` is true, it's important for the receiving end to know that he is receiving a longer a 8 bytes length prefix. For the receiving end and within this class, you can set '`InfoHandler.ReadNextAsLong`' to true to do so.

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler SendFileAsync Method

AltarNet3 - TCP/UDP/FTP
Library

Send a whole file, given a prebuffer and a postbuffer, and if the 8 bytes length is sent before the real message.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task SendFileAsync(  
    TcpClientInfo client,  
    string filepath,  
    byte[] preBuffer = null,  
    byte[] postBuffer = null,  
    bool withLengthPrefixed = true,  
    bool preBufferIsBeforeLength = false  
)
```

Parameters

client

Type: [AltarNet TcpClientInfo](#)

The receiving client

filepath

Type:  [System String](#)

The path to the file

preBuffer (Optional)

Type:  [System Byte](#)

A prefixed buffer

postBuffer (Optional)

Type:  [System Byte](#)

A suffixed buffer

withLengthPrefixed (Optional)

Type:  [System Boolean](#)

if the 4 bytes length is sent before the real message

preBufferIsBeforeLength (Optional)

Type:  [System Boolean](#)

Weither the prebuffer is placed before the length prefix (if applicable)

Return Value

Type:  [Task](#)

A Task

Remarks

If withLengthPrefixed is true, it's important for the receiving end to know that he is receiving a longer a 8 bytes length prefix. For the receiving end and within this class, you can set 'InfoHandler.ReadNextAsLong' to true to do so.

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Start the server so that it accept connections, if it's not already started.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public void Start()
```

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Stop listening for new connections.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public void Stop()
```

See Also

[TcpServerHandler Class](#)










[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpServerHandler](#) type exposes the following members.

Properties

	Name	Description
	Backlog	The amount of simultaneous connection attempts the server may have.
	BufferSize	Get the buffer size for reading messages. Default : TcpClientInfo.BUFFERSIZE
	Clients	A collection of currently connected clients.
	IsLengthInOneFrame	Get or set weither the length of a packet is combined into one with the data.
	IsListening	Is true if the server is listening for new connections.
	MaxClients	Get or set the maximum amount of clients the server will unconditionally accept.
	ObtainFullPackets	Get or set weither packets are buffered in memory. If the event ReceivedFull is non-null, this is ignored. Only useful in the case that you are overriding OnReceiveFull.
	ReadTimeout	The default amount of time in milliseconds before a client is disconnected if nothing is received from it.
	SSLServerCertificate	The certificate to use for SSL connections. Setting this to non-null shall activate SSL.

[Back to Top](#)

See Also

[TcpServerHandler Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The amount of simultaneous connection attempts the server may have.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)


Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public int Backlog { get; private set; }
```

Property Value

Type:  [Int32](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler BufferSize Property

AltarNet3 - TCP/UDP/FTP
Library

Get the buffer size for reading messages. Default : TcpClientInfo.BUFFERSIZE

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public int BufferSize { get; private set; }
```

Property Value

Type:  [Int32](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

A collection of currently connected clients.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public ConcurrentDictionary<TcpClient, TcpClientInfo> Clients { get; private
```

Property Value

Type:  [ConcurrentDictionary](#)  [TcpClient](#), [TcpClientInfo](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler IsLengthInOneFrame Property

AltarNet3 - TCP/UDP/FTP
Library

Get or set weither the length of a packet is combined into one with the data.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public bool IsLengthInOneFrame { get; set; }
```

Property Value

Type:  [Boolean](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler IsListening Property

AltarNet3 - TCP/UDP/FTP
Library

Is true if the server is listening for new connections.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public bool IsListening { get; }
```

Property Value

Type:  [Boolean](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler MaxClients Property

AltarNet3 - TCP/UDP/FTP
Library

Get or set the maximum amount of clients the server will unconditionally accept.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public int MaxClients { get; set; }
```

Property Value

Type:  [Int32](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler ObtainFullPackets Property

AltarNet3 - TCP/UDP/FTP
Library

Get or set whether packets are buffered in memory. If the event ReceivedFull is non-null, this is ignored. Only useful in the case that you are overriding OnReceiveFull.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public bool ObtainFullPackets { get; set; }
```

Property Value

Type:  [Boolean](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler ReadTimeout Property

AltarNet3 - TCP/UDP/FTP
Library

The default amount of time in milliseconds before a client is disconnected if nothing is received from it.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public int ReadTimeout { get; private set; }
```

Property Value

Type:  [Int32](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler SSLServerCertificate Property

AltarNet3 - TCP/UDP/FTP
Library

The certificate to use for SSL connections. Setting this to non-null shall activate SSL.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public X509Certificate SSLServerCertificate { get; set; }
```

Property Value

Type:  [X509Certificate](#)

See Also

[TcpServerHandler Class](#)








[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpServerHandler](#) type exposes the following members.

Events

	Name	Description
	Connected	Called when a new connection is made.
	Disconnected	Called when a client is disconnected.
	MaxClientsReached	Called when the maximum amount of clients is reached.
	ReceivedFragment	Called when a fragment of a packet is received.
	ReceivedFull	Called when a packet is completed and is desired to be received whole.
	ReceiveError	Called when an error occur while receiving messages.
	SslError	Called when an error occur while starting an SSL connection.

[Back to Top](#)

See Also

[TcpServerHandler Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Called when a new connection is made.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public event EventHandler<TcpEventArgs> Connected
```

Value

Type:  [System EventHandler TcpEventArgs](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler Disconnected Event

AltarNet3 - TCP/UDP/FTP
Library

Called when a client is disconnected.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public event EventHandler<TcpEventArgs> Disconnected
```

Value

Type:  [System EventHandler TcpEventArgs](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler MaxClientsReached Event

AltarNet3 - TCP/UDP/FTP
Library

Called when the maximum amount of clients is reached.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public event EventHandler<TcpEventArgs> MaxClientsReached
```

Value

Type:  [System EventHandler TcpEventArgs](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpServerHandler ReceivedFragment Event

AltarNet3 - TCP/UDP/FTP
Library

Called when a fragment of a packet is received.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public event EventHandler<TcpFragmentReceivedEventArgs> ReceivedFragment
```

Value

Type:  [System EventHandler TcpFragmentReceivedEventArgs](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Called when a packet is completed and is desired to be received whole.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public event EventHandler<TcpReceivedEventArgs> ReceivedFull
```

Value

Type:  [System EventHandler TcpReceivedEventArgs](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Called when an error occur while receiving messages.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public event EventHandler<TcpErrorEventArgs> ReceiveError
```

Value

Type:  [System EventHandler TcpErrorEventArgs](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Called when an error occur while starting an SSL connection.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public event EventHandler<TcpErrorEventArgs> SslError
```

Value

Type:  [System EventHandler TcpErrorEventArgs](#)

See Also

[TcpServerHandler Class](#)

[TcpServerHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Represent the informations related to the validation of a client's SSL connection.

Inheritance Hierarchy

 [System.Object](#)  [System.EventArgs](#)

AltarNet TcpSslValidateEventArgs

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public class TcpSslValidateEventArgs : EventArgs
```

See Also

[TcpSslValidateEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.







The [TcpSslValidateEventArgs](#) type exposes the following members.

Constructors

	Name	Description
	TcpSslValidateEventArgs	Create the TcpEventArgs.



[Back to Top](#)

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)

[Back to Top](#)

Properties

	Name	Description
	Accepted	Get or set whether the SSL connection is valid. Set to null to let the default validator do his own works.
	Client	The client involved.

[Back to Top](#)

See Also

[TcpSslValidateEventArgs Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpSslValidateEventArgs Constructor

AltarNet3 - TCP/UDP/FTP Library

Create the TcpEventArgs.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public TcpSslValidateEventArgs(  
    TcpClientInfo info,  
    Nullable<bool> accepted = null  
)
```

Parameters

info

Type: [AltarNet TcpClientInfo](#)

The client

accepted (Optional)

Type:  [System Nullable](#)  [Boolean](#)

The acceptance state

See Also

[TcpSslValidateEventArgs Class](#)







[TcpSslValidateEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpSslValidateEventArgs](#) type exposes the following members.

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)

[Back to Top](#)

See Also



[TcpSslValidateEventArgs Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [TcpSslValidateEventArgs](#) type exposes the following members.

Properties

	Name	Description
	Accepted	Get or set weither the SSL connection is valid. Set to null to let the default validator do his own works.
	Client	The client involved.

[Back to Top](#)

See Also

[TcpSslValidateEventArgs Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpSslValidateEventArgs Accepted Property

AltarNet3 - TCP/UDP/FTP
Library

Get or set weither the SSL connection is valid. Set to null to let the default validator do his own works.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public Nullable<bool> Accepted { get; set; }
```

Property Value

Type:  [Nullable](#)  [Boolean](#)

See Also

[TcpSslValidateEventArgs Class](#)

[TcpSslValidateEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

TcpSslValidateEventArgs Client Property

AltarNet3 - TCP/UDP/FTP
Library

The client involved.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public TcpClientInfo Client { get; private set; }
```

Property Value

Type: [TcpClientInfo](#)

See Also

[TcpSslValidateEventArgs Class](#)

[TcpSslValidateEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Represent an helper class for thread safety. This one is static and only deal with string keys.

Inheritance Hierarchy

 [System.Object](#) **AltarNet.ThreadSafeHelper**

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public static class ThreadSafeHelper
```

See Also




[ThreadSafeHelper Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [ThreadSafeHelper](#) type exposes the following members.

Methods

	Name	Description
	Release	This will release the ressource labelled as 'key'.
	Wait	This will wait until the ressource labelled as 'key' is freed, then lock on it.
	WaitAsync	This will wait until the ressource labelled as 'key' is freed, then lock on it.

[Back to Top](#)

See Also




[ThreadSafeHelper Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [ThreadSafeHelper](#) type exposes the following members.

Methods

	Name	Description
	Release	This will release the ressource labelled as 'key'.
	Wait	This will wait until the ressource labelled as 'key' is freed, then lock on it.
	WaitAsync	This will wait until the ressource labelled as 'key' is freed, then lock on it.

[Back to Top](#)

See Also

[ThreadSafeHelper Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

This will release the ressource labelled as 'key'.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public static void Release(  
    string key  
)
```

Parameters

key

Type:  [System String](#)

The key to release

See Also

[ThreadSafeHelper Class](#)

[ThreadSafeHelper Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

This will wait until the ressource labelled as 'key' is freed, then lock on it.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public static void Wait(  
    string key  
)
```

Parameters

key

Type:  [System String](#)

The key to wait on

See Also

[ThreadSafeHelper Class](#)

[ThreadSafeHelper Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

ThreadSafeHelper WaitAsync Method

AltarNet3 - TCP/UDP/FTP Library

This will wait until the ressource labelled as 'key' is freed, then lock on it.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public static Task WaitAsync(  
    string key  
)
```


Parameters

key

Type:  [System String](#)

The key to wait on

Return Value

Type:  [Task](#)

A Task

See Also

[ThreadSafeHelper Class](#)

[ThreadSafeHelper Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Represent an helper class for thread safety. It accept equatable keys, such as int, byte, string, etc.

Inheritance Hierarchy

 [System.Object](#) **AltarNet ThreadSafeHelper T**

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public class ThreadSafeHelper<T>  
where T : Object, IEquatable<T>
```

Type Parameters

T

[Missing <typeparam name="T"/> documentation for "T:AltarNet.ThreadSafeHelper`1"]

See Also


[ThreadSafeHelper T Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.










The [ThreadSafeHelper T](#) type exposes the following members.

Constructors

	Name	Description
	ThreadSafeHelper T	Create a ThreadSafeHelper/

[Back to Top](#)

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	Release	This will release the ressource labelled as 'key'.
	ToString	Returns a string that represents the current object. (Inherited from Object .)
	Wait	This will wait until the ressource labelled as 'key' is freed, then lock on it.
	WaitAsync	This will wait until the ressource labelled as 'key' is freed, then lock on it.

[Back to Top](#)

See Also

[ThreadSafeHelper T Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Create a ThreadSafeHelper/

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# VB C++ F#

[Copy to Clipboard](#) [Print](#)

```
public ThreadSafeHelper()
```

See Also

[ThreadSafeHelper T Class](#)










[ThreadSafeHelper T Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [ThreadSafeHelper T](#) type exposes the following members.

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	Release	This will release the ressource labelled as 'key'.
	ToString	Returns a string that represents the current object. (Inherited from Object .)
	Wait	This will wait until the ressource labelled as 'key' is freed, then lock on it.
	WaitAsync	This will wait until the ressource labelled as 'key' is freed, then lock on it.

[Back to Top](#)

See Also

[ThreadSafeHelper T Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

ThreadSafeHelper T Release Method

AltarNet3 - TCP/UDP/FTP Library

This will release the ressource labelled as 'key'.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void Release (  
    T key  
)
```

Parameters

key

Type: [T](#)

The key to release

See Also

[ThreadSafeHelper T Class](#)

[ThreadSafeHelper T Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

This will wait until the ressource labelled as 'key' is freed, then lock on it.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void Wait(  
    T key  
)
```

Parameters

key

Type: [T](#)

The key to wait on

See Also

[ThreadSafeHelper T Class](#)

[ThreadSafeHelper T Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

ThreadSafeHelper T WaitAsync Method

AltarNet3 - TCP/UDP/FTP
Library

This will wait until the ressource labelled as 'key' is freed, then lock on it.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public Task WaitAsync(  
    T key  
)
```


Parameters

key

Type: [T](#)

The key to wait on

Return Value

Type:  [Task](#)

A Task

See Also

[ThreadSafeHelper T Class](#)

[ThreadSafeHelper T Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Create an UDP client, for listening and sending packets.

Inheritance Hierarchy

 [System.Object](#) **AltarNet.UdpHandler**

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public class UdpHandler : IDisposable
```

See Also


[UdpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.












The [UdpHandler](#) type exposes the following members.

Constructors

	Name	Description
	UdpHandler	Construct an UDP client, listening on an endpoint and starting to listen now (or not).




[Back to Top](#)

Methods

	Name	Description
	Dispose	Dispose of the client, stopping it if it's listening.
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	Listen	Start or stop listening for new packets.
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	OnReceive	Overrideable. Called when a packet is received.
	Send	Send a packet of informations to the specified endpoint.
	SendAsync	Send a packet of informations to the specified endpoint.
	ToString	Returns a string that represents the current object. (Inherited from Object .)

[Back to Top](#)


Properties

	Name	Description
	Client	Get the socket.
	IsDisposed	Get the disposed state of the object.
	IsListening	Get the listening state of the client.

	ListenEndPoint	Get the endpoint of which we listening from.
---	--------------------------------	--

[Back to Top](#)

Events

	Name	Description
	Received	Called when a packet is received.

[Back to Top](#)

See Also

[UdpHandler Class](#)

[Altarnet Namespace](#)

[Send Feedback](#) on this topic.

Construct an UDP client, listening on an endpoint and starting to listen now (or not).

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public UdpHandler(  
    IPEndPoint listenIPendp,  
    bool startListening = false  
)
```

Parameters

listenIPendp

Type:  [System.Net IPEndPoint](#)

The endpoint to listen to

startListening (Optional)

Type:  [System Boolean](#)

If true, will call Listen(true)

See Also

[UdpHandler Class](#)




























[UdpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [UdpHandler](#) type exposes the following members.

Methods

	Name	Description
	Dispose	Dispose of the client, stopping it if it's listening.
	 Equals	Determines whether the specified  Object is equal to the current  Object . (Inherited from  Object .)
	 Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from  Object .)
	 GetHashCode	Serves as a hash function for a particular type. (Inherited from  Object .)
	 GetType	Gets the  Type of the current instance. (Inherited from  Object .)
	Listen	Start or stop listening for new packets.
	 MemberwiseClone	Creates a shallow copy of the current  Object . (Inherited from  Object .)
	OnReceive	Overrideable. Called when a packet is received.
	Send	Send a packet of informations to the specified endpoint.
	SendAsync	Send a packet of informations to the specified endpoint.
	 ToString	Returns a string that represents the current object. (Inherited from  Object .)

[Back to Top](#)

See Also

[UdpHandler Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Dispose of the client, stopping it if it's listening.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void Dispose()
```

Implements



[IDisposable](#) [Dispose](#)

See Also

[UdpHandler Class](#)

[UdpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Start or stop listening for new packets.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void Listen(  
    bool state = true  
)
```

Parameters

state (Optional)

Type:  [System Boolean](#)

True = Start, False = stop

See Also

[UdpHandler Class](#)

[UdpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Overrideable. Called when a packet is received.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
protected virtual void OnReceive(  
    UdpReceiveResult response  
)
```

Parameters

response

Type: **UdpReceiveResult**

The packet

See Also

[UdpHandler Class](#)

[UdpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Send a packet of informations to the specified endpoint.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public void Send(  
    byte[] data,  
    IPEndPoint to,  
    int length = -1  
)
```

Parameters

data

Type:  [System Byte](#)

The information to send

to

Type:  [System.Net IPEndPoint](#)

The endpoint who's the packet is sent to

length (Optional)

Type:  [System Int32](#)

Optional, specify the portion of the data that is sent

See Also

[UdpHandler Class](#)

[UdpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Send a packet of informations to the specified endpoint.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

[Copy to Clipboard](#) [Print](#)

```
public Task SendAsync(  
    byte[] data,  
    IPEndPoint to,  
    int length = -1  
)
```

Parameters

data

Type:  [System Byte](#)

The information to send

to

Type:  [System.Net IPEndPoint](#)

The endpoint who's the packet is sent to

length (Optional)

Type:  [System Int32](#)

Optional, specify the portion of the data that is sent

Return Value

Type:  [Task](#)

A Task

See Also

[UdpHandler Class](#)





[UdpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [UdpHandler](#) type exposes the following members.

Properties

	Name	Description
	Client	Get the socket.
	IsDisposed	Get the disposed state of the object.
	IsListening	Get the listening state of the client.
	ListenEndPoint	Get the endpoint of which we listening from.

[Back to Top](#)

See Also

[UdpHandler Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get the socket.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

```
public UdpClient Client { get; }
```

Property Value

Type:  [UdpClient](#)

See Also

[UdpHandler Class](#)

[UdpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get the disposed state of the object.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | **VB** | **C++** | **F#**

[Copy to Clipboard](#) [Print](#)

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

Property Value

Type:  [Boolean](#)

See Also

[UdpHandler Class](#)

[UdpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

Get the listening state of the client.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) | [VB](#) | [C++](#) | [F#](#)

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```
public bool IsListening { get; }
```

Property Value

Type:  [Boolean](#)

See Also

[UdpHandler Class](#)

[UdpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

UdpHandler ListenEndPoint Property

AltarNet3 - TCP/UDP/FTP Library

Get the endpoint of which we listening from.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

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```
public IPEndPoint ListenEndPoint { get; private set; }
```

Property Value

Type:  [IPEndPoint](#)

See Also

[UdpHandler Class](#)


[UdpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [UdpHandler](#) type exposes the following members.

Events

	Name	Description
	Received	Called when a packet is received.

[Back to Top](#)

See Also

[UdpHandler Class](#)

[AltarNet Namespace](#)

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Called when a packet is received.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# | [VB](#) | [C++](#) | [F#](#)

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```
public event EventHandler<UdpPacketReceivedEventArgs> Received
```

Value

Type:  [System EventHandler UdpPacketReceivedEventArgs](#)

See Also

[UdpHandler Class](#)

[UdpHandler Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

This object is used to represent the message received from an UDP client.

Inheritance Hierarchy

 [System Object](#)  [System EventArgs](#)

AltarNet UdpPacketReceivedEventArgs

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

C# **VB** **C++** **F#**

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```
public class UdpPacketReceivedEventArgs : EventArgs
```

See Also


[UdpPacketReceivedEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.























The [UdpPacketReceivedEventArgs](#) type exposes the following members.

Constructors

	Name	Description
	UdpPacketReceivedEventArgs	Create an UDP response.


[Back to Top](#)

Methods

	Name	Description
	 Equals	Determines whether the specified  Object is equal to the current  Object . (Inherited from  Object .)
	 Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from  Object .)
	 GetHashCode	Serves as a hash function for a particular type. (Inherited from  Object .)
	 GetType	Gets the  Type of the current instance. (Inherited from  Object .)
	 MemberwiseClone	Creates a shallow copy of the current  Object . (Inherited from  Object .)
	 ToString	Returns a string that represents the current object. (Inherited from  Object .)

[Back to Top](#)

Properties

	Name	Description
	Response	The UDP response.

[Back to Top](#)

See Also

[UdpPacketReceivedEventArgs Class](#)
[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

UdpPacketReceivedEventArgs Constructor

AltarNet3 - TCP/UDP/FTP
Library

Create an UDP response.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

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```
public UdpPacketReceivedEventArgs(  
    UdpReceiveResult resp  
)
```

Parameters

resp

Type: **UdpReceiveResult**

The UDP response

See Also

[UdpPacketReceivedEventArgs Class](#)







[UdpPacketReceivedEventArgs Members](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

The [UdpPacketReceivedEventArgs](#) type exposes the following members.

Methods

	Name	Description
	Equals	Determines whether the specified Object is equal to the current Object . (Inherited from Object .)
	Finalize	Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from Object .)
	GetHashCode	Serves as a hash function for a particular type. (Inherited from Object .)
	GetType	Gets the Type of the current instance. (Inherited from Object .)
	MemberwiseClone	Creates a shallow copy of the current Object . (Inherited from Object .)
	ToString	Returns a string that represents the current object. (Inherited from Object .)

[Back to Top](#)

See Also

[UdpPacketReceivedEventArgs Class](#)

[AltarNet Namespace](#)


[Send Feedback](#) on this topic.

UdpPacketReceivedEventArgs Properties

AltarNet3 - TCP/UDP/FTP
Library

The [UdpPacketReceivedEventArgs](#) type exposes the following members.

Properties

	Name	Description
	Response	The UDP response.

[Back to Top](#)

See Also

[UdpPacketReceivedEventArgs Class](#)

[AltarNet Namespace](#)

[Send Feedback](#) on this topic.

UdpPacketReceivedEventArgs Response Property

AltarNet3 - TCP/UDP/FTP
Library

The UDP response.

Namespace: [AltarNet](#)

Assembly: AltarNet3 (in AltarNet3.dll) Version: 3.2.4.0 (3.2.4.0)

Syntax

[C#](#) [VB](#) [C++](#) [F#](#)

[Copy to Clipboard](#) [Print](#)

```
public UdpReceiveResult Response { get; private set; }
```

Property Value

Type: **UdpReceiveResult**

See Also

[UdpPacketReceivedEventArgs Class](#)

[UdpPacketReceivedEventArgs Members](#)

[AltarNet Namespace](#)

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