

APL2000.Utils.WebTransfer Namespace**Classes**

Class	Description
WebTransfer	Provides HTTP Client functionality both synchronous and asynchronous

WebTransfer Class

Provides HTTP Client functionality both synchronous and asynchronous

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

[System.Object](#)

WebTransfer

```
public class WebTransfer
```

Requirements

Namespace: [APL2000.Utls.WebTransfer](#)

Assembly: WebTransfer (in WebTransfer.dll)

See Also

[WebTransfer Members](#) | [APL2000.Utls.WebTransfer Namespace](#)


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Generated from assembly WebTransfer [1.1.1720.33944]

WebTransfer Members
















[WebTransfer overview](#)

Public Instance Constructors










 WebTransfer Constructor	Provides HTTP Client functionality both synchronous and asynchronous
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Public Instance Properties

 allowAutoRedirect	The allowAutoRedirect property
 baseurl	The baseurl property
 Cancel	The Cancel property
 contentLength	The contentLength property
 contentType	The contentType property
 cookieValue	The cookieValue property
 deleteReturnedFile	The deleteReturnedFile property
 id	The id property
 ifModifiedSince	The ifModifiedSince property
 inProcess	The inProcess property
 keepAlive	The keepAlive property
 lastError	The lastError property
 lastModified	The keepAlive property
 maximumAutomaticRedirections	The maximumAutomaticRedirections property
 networkCredentialDomain	The networkCredentialDomain used with Credentialing, optional.
 networkCredentialPassword	The networkCredentialPassword used with Credentialing
 networkCredentialUsername	The networkCredentialUsername used with Credentialing
 protocolVersion	The protocolversion property
 referer	The referer property
 responsePath	The responsePath property
 responsePort	The responsePort property




 returnedCharacterSet	The charset returned from the internet server property
 returnedContentEncoding	The returned content encoding property
 returnedContentType	The contentType property
 returnedData	The returnedData property
 returnedDataSizeFileThreshold	The returnedDataSizeFileThreshold property
 returnedFileName	The returnedFileName property
 returnedHeader	The returnedHeader property
 returnedObject	The returnedObject property
 returnedServer	The name of the server which sent the response property
 SetHeaders	The SetHeaders property
 statusCode	The statusCode property
 statusDescription	The statusDescription property
 timeOut	The timeOut property
 userAgent	The userAgent property
 version	The version property

Public Instance Methods






 Abort	The Abort method
 ASend	The ASend method
 ASendFile	The ASendFile method
 ASendFileSegment	The ASendFileSegment method
 ASendObject	The ASendObject method
 ASendSoapObject	The ASendSoapObject method
 Close	The Close method
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type. GetHashCode is suitable for use in hashing algorithms and data structures like a hash table.

 GetType (inherited from Object)	Gets the Type of the current instance.
 HeaderSet	The HeaderSet method
 Open	The Open method
 OpenNoValidate	The OpenNoValidate method
 Send	The Send method
 SendFile	The SendFile method
 SendFileSegment	The SendFileSegment method
 SendObject	The SendObject method
 SendSoapObject	The SendSoapObject method
 SetDefaults	The SetDefaults method
 ToString (inherited from Object)	Returns a String that represents the current Object .

Public Instance Events

 CompleteCallback	The CompleteCallback event
 DownloadProgressCallback	The DownloadProgressCallback event
 UploadProgressCallback	The UploadProgressCallback event

Protected Instance Methods

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .
 OnCompleteCallback	
 OnDownloadProgressCallback	
 OnUploadProgressCallback	

See Also

[WebTransfer Class](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer Constructor

Provides HTTP Client functionality both synchronous and asynchronous

```
public WebTransfer();
```

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)






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WebTransfer Properties

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

Public Instance Properties

 allowAutoRedirect	The allowAutoRedirect property
 baseurl	The baseurl property
 Cancel	The Cancel property
 contentLength	The contentLength property
 contentType	The contentType property
 cookieValue	The cookieValue property
 deleteReturnedFile	The deleteReturnedFile property
 id	The id property
 ifModifiedSince	The ifModifiedSince property
 inProcess	The inProcess property
 keepAlive	The keepAlive property
 lastError	The lastError property
 lastModified	The keepAlive property
 maximumAutomaticRedirections	The maximumAutomaticRedirections property
 networkCredentialDomain	The networkCredentialDoamin used with Credentialing, optional.
 networkCredentialPassword	The networkCredentialPassword used with Credentialing
 networkCredentialUsername	The networkCredentialUsername used with Credentialing
 protocolVersion	The protocolversion property
 referer	The referer property
 responsePath	The responsePath property
 responsePort	The responsePort property
 returnedCharacterSet	The charset returned from the internet server property
 returnedContentEncoding	The returned content encoding property

 returnedContentType	The contentType property
 returnedData	The returnedData property
 returnedDataSizeFileThreshold	The returnedDataSizeFileThreshold property
 returnedFileName	The returnedFileName property
 returnedHeader	The returnedHeader property
 returnedObject	The returnedObject property
 returnedServer	The name of the server which sent the response property
 SetHeaders	The SetHeaders property
 statusCode	The statusCode property
 statusDescription	The statusDescription property
 timeOut	The timeOut property
 userAgent	The userAgent property
 version	The version property

See Also

[WebTransfer Class](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.allowAutoRedirect Property

The allowAutoRedirect property

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

Remarks

This boolean property sets whether redirects are permitted.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.baseurl Property

The baseurl property

```
public string baseurl {get;}
```

Remarks

This property contains the url which will be used by the Send methods. It is read only.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.Cancel Property

The Cancel property

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

Remarks

Setting this property to 1 causes the transfer in process to abort at the end of the current read.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.contentLength Property

The contentLength property

```
public int contentLength {get;}
```

Remarks

The contentLength property contains the value of the Content-Length header returned with the response. If the Content-Length header is not set in the response, contentLength is set to the value -1. This property is read only.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.contentType Property

The contentType property

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

Remarks

Setting this property specifies the contenttype which will be used on the next interaction with an Internet resource.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utls.WebTransfer Namespace](#)

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WebTransfer.cookieValue Property

The cookieValue property

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

Remarks

This is the value of the last cookie set by the Internet resource referenced. The value of this property will be used as the cookie when the next request is made to an Internet resource.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.deleteReturnedFile Property

The deleteReturnedFile property

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

Remarks

When this is set to true, if a returnedFileName property has a value, the referenced file will be deleted on the next Close, Open, Dispose or any Send method invocation. When the returnedFileName property is set by the user, the deleteReturnedFile property is set to false. If you want the file you specify to be deleted you need to set the deleteReturnedFile to true after setting the returnedFileName property. If the returnedFileName property is set by the WebTransfer control as a result of the returnedDataSizeFileThreshold being exceeded the deleteReturnedFile value is not changed. The default value of this property is true. The general idea is that temporary files created by the system will be deleted, while files you choose will be managed based on this selection. Setting this to false will cause the temporary files to be left undeleted as well.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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Generated from assembly WebTransfer [1.1.1720.33944]

WebTransfer.id Property

The id property

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

Remarks

This property is an id which can be set and will be returned with the events for reference.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.ifModifiedSince Property

The ifModifiedSince property

```
public int\[\] ifModifiedSince {get; set;}
```

Remarks

If a file on the internet server has been modified after the date and time set in the ifModifiedSince property then that file will be returned. This property can be set using a timestamp structure. yyyy mm dd hh mm ss ms The default is null, which sets the value to the current time at the moment the request is made. This property is reset to the default when either the Close method the SetDefaults method are called.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.inProcess Property

The inProcess property

```
public bool inProcess {get;}
```

Remarks

The inProcess property returns a 1 if the asynchronous process is still in process, otherwise a 0 if the process has completed. This property is read only.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.keepAlive Property

The keepAlive property

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

Remarks

Setting this property to 1 causes the client to request a keep-alive connection with the server.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.lastError Property

The lastError property

```
public string lastError {get;}
```

Remarks

This property contains the last error since the Open method was last invoked. It is read only.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.lastModified Property

The keepAlive property

```
public int\[\] lastModified {get;}
```

Remarks

The lastModified property contains the value of the Last-Modified header received with the response. The date and time are assumed to be local time. This property is read only.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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Generated from assembly WebTransfer [1.1.1720.33944]

WebTransfer.maximumAutomaticRedirections Property

The maximumAutomaticRedirections property

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

Remarks

The maximum number of redirections which will be followed. The default is 50. This property is reset to the default when either the Close method the SetDefaults method are called.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.networkCredentialDomain Property

The networkCredentialDoamin used with Credentialing, optional.

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

Remarks

This is the Domain for the Credentials used when authentication credentials are required to access an Internet resource.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.networkCredentialPassword Property

The networkCredentialPassword used with Credentialing

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

Remarks

This is the Password for the Credentials used when authentication credentials are required to access an Internet resource.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.networkCredentialUsername Property

The networkCredentialUsername used with Credentialing

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

Remarks

This is the Username for the Credentials used when authentication credentials are required to access an Internet resource.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utls.WebTransfer Namespace](#)

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WebTransfer.protocolVersion Property

The protocolversion property

```
public string protocolVersion {get;}
```

Remarks

This property contains the major and minor values for the protocol version of the internet server which responded to the request. It is read only.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.referer Property

The referer property

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

Remarks

The referer is the url that would have referred the current request. The default is "". This property is reset to the default when either the Close method the SetDefaults method are called. If the allow redirect is true, the referer is going to change.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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Generated from assembly WebTransfer [1.1.1720.33944]

WebTransfer.responsePath Property

The responsePath property

```
public string responsePath {get;}
```

Remarks

The responsePath property contains the URL of the Internet resource that actually provided the response data. This resource may not be the originally requested URL as HTTP allows redirection of the request. This property is read only.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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Generated from assembly WebTransfer [1.1.1720.33944]

WebTransfer.responsePort Property

The responsePort property

```
public int responsePort {get;}
```

Remarks

The responsePort property contains the post of the Internet resource that actually provided the response data. This resource may not be the originally requested port as HTTP allows redirection of the request. This property is read only.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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Generated from assembly WebTransfer [1.1.1720.33944]

WebTransfer.returnedCharacterSet Property

The character set returned from the internet server property

```
public string returnedCharacterSet {get;}
```

Remarks

This property contains the character set specified by the internet server or "" is no character set was specified. It is read only.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utls.WebTransfer Namespace](#)

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Generated from assembly WebTransfer [1.1.1720.33944]

WebTransfer.returnedContentEncoding Property

The returned content encoding property

```
public string returnedContentEncoding {get;}
```

Remarks

This property contains the content encoding for the data returned from the internet server or "" if the content encoding was not set. It is read only.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.returnedContentType Property

The contentType property

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

Remarks

The contentType property contains the value of the Content-Type header returned with the response. This property is read only.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utls.WebTransfer Namespace](#)

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WebTransfer.returnedData Property

The returnedData property

```
public byte\[\] returnedData {get;}
```

Remarks

This property contains the data returned from the web server. It is read only.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.returnedDataSizeFileThreshold Property

The returnedDataSizeFileThreshold property

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

Remarks

The default for this property is 1,000,000 bytes. When the data returned from a server exceeds this threshold, and the returnedFileName property is set to empty, then the incoming data is placed in a temporary file and the returnedFileName property is set to this temporary file name. For synchronous requests the two element array which is returned has the first element set to 1 and the second element set to the temporary filename into which the data was placed. For asynchronous requests the returnedData property is set to empty and the returnedFileName is set. If the data returned from the server is less than this threshold then the data is returned from the synchronous request or the returnedData property contains the data for asynchronous requests.

Exceptions

Exception Type	Condition
	This property does not apply to returned data which is either Microsoft Binary or Microsoft Soap.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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Generated from assembly WebTransfer [1.1.1720.33944]

WebTransfer.returnedFileName Property

The returnedFileName property

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

Remarks

This property the filename into which the data returned from the server will be placed. If the filename referenced can not be accessed, the data is placed in a temporary file and this property is set to the temporary file name used. If the filename specified already contains data the incoming data is appended to the end of the file. When a filename is specified, synchronous requests return a two element array with the first element set to 1 and the second element set to the filename into which the incoming data was placed. For Asynchronous requests the returnedData is set to empty and referencing this property will provide the name of the file where the incoming data was placed. See the deleteReturnedFile for deletion options.

Exceptions

Exception Type	Condition
	This property does not apply to returned data which is either Microsoft Binary or Microsoft Soap.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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Generated from assembly WebTransfer [1.1.1720.33944]

WebTransfer.returnedHeader Property

The returnedHeader property

```
public string[,] returnedHeader {get;}
```

Remarks

This property contains the header returned from the web server. It is read only.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.returnedObject Property

The returnedObject property

```
public object\[\] returnedObject {get;}
```

Remarks

This property contains the deserialized data returned from the web server. It is read only.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.returnedServer Property

The name of the server which sent the response property

```
public string returnedServer {get;}
```

Remarks

This property contains the name of the server which sent the response or "" is this property failed to be set. It is read only.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.SetHeaders Property

The SetHeaders property

```
public System.Collections.ArrayList SetHeaders {get; set;}
```

Remarks

This property takes a value of ArrayList and sets all of the headers at one time

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.statusCode Property

The statusCode property

```
public int statusCode {get;}
```

Remarks

The statusCode parameter is a number indicating the status of the HTTP response. A 200 indicates success, while a 404 indicates page not found. You can find a complete list of status codes at w3c.org. This property is read only.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.statusDescription Property

The statusDescription property

```
public string statusDescription {get;}
```

Remarks

The statusDescription parameter is a string indicating the description of the status of the HTTP response. This is an arbitrary message set by the responding server. You can find a complete definition at w3c.org. This property is read only.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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Generated from assembly WebTransfer [1.1.1720.33944]

WebTransfer.timeOut Property

The timeOut property

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

Remarks

This property is set to 30 seconds by default. This property specifies how long this client will wait for a response from a server.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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Generated from assembly WebTransfer [1.1.1720.33944]

WebTransfer.userAgent Property

The userAgent property

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

Remarks

The userAgent is the type of device which will be used to display the returned page. Some sites will not return a content page if the userAgent is not set. When a Close or Open is issued the userAgent is reset to an empty string.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.version Property

The version property

```
public string version {get;}
```

Remarks

This property contains the version number. It is read only.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer Methods





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

Public Instance Methods

 Abort	The Abort method
 ASend	The ASend method
 ASendFile	The ASendFile method
 ASendFileSegment	The ASendFileSegment method
 ASendObject	The ASendObject method
 ASendSoapObject	The ASendSoapObject method
 Close	The Close method
 Equals (inherited from Object)	Determines whether the specified Object is equal to the current Object .
 GetHashCode (inherited from Object)	Serves as a hash function for a particular type. GetHashCode is suitable for use in hashing algorithms and data structures like a hash table.
 GetType (inherited from Object)	Gets the Type of the current instance.
 HeaderSet	The HeaderSet method
 Open	The Open method
 OpenNoValidate	The OpenNoValidate method
 Send	The Send method
 SendFile	The SendFile method
 SendFileSegment	The SendFileSegment method
 SendObject	The SendObject method
 SendSoapObject	The SendSoapObject method
 SetDefaults	The SetDefaults method
 ToString (inherited from Object)	Returns a String that represents the current Object .

Protected Instance Methods

 Finalize (inherited from Object)	Allows an Object to attempt to free resources and perform other cleanup operations before the Object is reclaimed by garbage collection.
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 MemberwiseClone (inherited from Object)	Creates a shallow copy of the current Object .
 OnCompleteCallback	
 OnDownloadProgressCallback	
 OnUploadProgressCallback	

See Also

[WebTransfer Class](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.Abort Method

The Abort method

```
public void Abort();
```

Return Value

Remarks

This method forces the existing connection to be aborted.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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Generated from assembly WebTransfer [1.1.1720.33944]

WebTransfer.ASend Method

The ASend method

```
public object\[\] ASend(  
    string path,  
    string data  
) ;
```

Parameters

path

path to method on server

data

If this is "" then the GET method is used. If data is a character array then the POST method is used and this data becomes the body of the post.

Return Value

Returns a two elements array, the first element is a 0 for success, a 1 for error, the second element contains the word inprocess for success or the error message. The returned data will be in the returnedObject property.

Remarks

Method used to send a character array to a server asynchronously, such as for connecting with a web server

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.ASendFile Method

The ASendFile method

```
public object\[\] ASendFile(  
    string path,  
    string fileName  
) ;
```

Parameters

path

path to method on server

fileName

The name of the file to be sent.

Return Value

Returns a two elements array, the first element is a 0 for success, a 1 for error, or a 2 for filename result, the second element contains the returned data from the server, the error message, or the filename containing the result.

Remarks

Method used to send a file to a server asynchronously, such as for connecting with a web server.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.ASendFileSegment Method

The ASendFileSegment method

```
public object\[\] ASendFileSegment(  
    string path,  
    string fileName,  
    int fileOffset,  
    int fileCount  
) ;
```

Parameters

path

path to method on server

fileName

The name of the file to be sent.

fileOffset

The offset to the beginning of the file segment to be transmitted.

fileCount

The total number of bytes to be sent beginning at fileOffset.

Return Value

Returns a two elements array, the first element is a 0 for success, a 1 for error, or a 2 for filename result, the second element contains the returned data from the server, the error message, or the filename containing the result.

Remarks

Method used to send a file to a server asynchronously, such as for connecting with a web server.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.ASendObject Method

The ASendObject method

```
public object[] ASendObject(  
    string path,  
    object data  
) ;
```

Parameters

path

path to method on server

data

Object, such as an array, to be sent to server

Return Value

Returns a two elements array, the first element is a 0 for success, a 1 for error, the second element contains the word inprocess for success or the error message. The returned data will be in the returnedObject property.

Remarks

Method used to send objects to server asynchronously, choose binarywrap1 on the server to deserialize

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.ASendSoapObject Method

The ASendSoapObject method

```
public object\[\] ASendSoapObject(  
    string path,  
    object data  
);
```

Parameters

path

path to method on server

data

Object, such as an array, to be sent to server

Return Value

Returns a two elements array, the first element is a 0 for success, a 1 for error, the second element contains the word inprocess for success or the error message. The returned data will be in the returnedObject property.

Remarks

Method used to send objects to server asynchronously serialized as SOAP, choose soapwrapl on the server to deserialize

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.Close Method

The Close method

```
public void Close();
```

Return Value

Remarks

This method closes the existing connection and resets all parameters to default.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.HeaderSet Method

The HeaderSet method

```
public void HeaderSet(  
    string name,  
    string val  
) ;
```

Parameters

name

The name of the element.

val

The value to be associated with the name.

Return Value

Remarks

Used to set an arbitrary element in the header of the request being sent to an Internet resource using HTTP.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utls.WebTransfer Namespace](#)

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WebTransfer.OnCompleteCallback Method

```
protected virtual void OnCompleteCallback(  
    int c,  
    int errcode  
);
```

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.OnDownloadProgressCallback Method

```
protected virtual void OnDownloadProgressCallback(  
    int a,  
    int b,  
    int c  
);
```

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.OnUploadProgressCallback Method

```
protected virtual void OnUploadProgressCallback(  
    int a,  
    int b,  
    int c  
) ;
```

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.Open Method

The Open method

```
public object[] Open(  
    string baseUrl  
);
```

Parameters

baseUrl
URL of domain (web site) referenced

Return Value

Returns a two elements array, the first element is a 0 for success, a 1 for error, the second element contains the word opened for success or the error message.

Remarks

This method validates the url being referenced. Once a url has been validated, it does not need to be validated again in the same session, which can result in speed improvements. If you are confident of the url, use OpenNoValidate instead.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.OpenNoValidate Method

The OpenNoValidate method

```
public void OpenNoValidate(  
    string baseurl  
) ;
```

Parameters

baseurl
URL of domain (web site) referenced

Return Value

Remarks

This method does no validation of the url referenced either for syntax or existence. Choose this when you are confident of the url.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utls.WebTransfer Namespace](#)

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WebTransfer.Send Method

The Send method

```
public object\[\] Send(  
    string path,  
    string data  
);
```

Parameters

path

path to method on server

data

If this is "" then the GET method is used. If data is a character array then the POST method is used and this data becomes the body of the post.

Return Value

Returns a two elements array, the first element is a 0 for success, a 1 for error, the second element contains the returned data from the server or the error message.

Remarks

Method used to send a character array to a server and waits for an answer, such as for connecting with a web server

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utls.WebTransfer Namespace](#)

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WebTransfer.SendFile Method

The SendFile method

```
public object\[\] SendFile(  
    string path,  
    string fileName  
) ;
```

Parameters

path

path to method on server

fileName

The name of the file to be sent.

Return Value

Returns a two elements array, the first element is a 0 for success, a 1 for error, or a 2 for filename result, the second element contains the returned data from the server, the error message, or the filename containing the result.

Remarks

Method used to send a file to a server and wait for an answer, such as for connecting with a web server. As data is being uploaded to the server the HTTP method is always a post.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.SendFileSegment Method

The SendFileSegment method

```
public object\[\] SendFileSegment(  
    string path,  
    string fileName,  
    int fileOffset,  
    int fileCount  
) ;
```

Parameters

path

path to method on server

fileName

The name of the file to be sent.

fileOffset

fileCount

Return Value

Returns a two elements array, the first element is a 0 for success, a 1 for error, or a 2 for filename result, the second element contains the returned data from the server, the error message, or the filename containing the result.

Remarks

Method used to send a segment of a file to a server and wait for an answer, such as for connecting with a web server. As data is being uploaded to the server the HTTP method is always a post.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.SendObject Method

The SendObject method

```
public object\[\] SendObject(  
    string path,  
    object data  
);
```

Parameters

path

path to method on server

data

Object, such as an array, to be sent to server

Return Value

Two element array, the first is a code, 0 for success, 1 for error, the second element contains the result or error code

Remarks

Method used to send objects to server, choose binarywrap1 on the server to deserialize

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.SendSoapObject Method

The SendSoapObject method

```
public object\[\] SendSoapObject(  
    string path,  
    object data  
) ;
```

Parameters

path

path to method on server

data

Object, such as an array, to be sent to server

Return Value

Two element array, the first is a code, 0 for success, 1 for error, the second element contains the result or error code

Remarks

Method used to send objects to server serialized as SOAP, choose soapwrapl on the server to deserialize

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utills.WebTransfer Namespace](#)

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WebTransfer.SetDefaults Method

The SetDefaults method

```
public void SetDefaults();
```

Return Value

Remarks

This method sets the default values for statusCode, statusDescription, returnedCharacterSet, returnedContentEncoding protocolVersion, returnedServer, referer, maximumAutomaticRedirections, ifModifiedSince and allowAutoRedirect.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utls.WebTransfer Namespace](#)




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WebTransfer Events

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

Public Instance Events

 CompleteCallback	The CompleteCallback event
 DownloadProgressCallback	The DownloadProgressCallback event
 UploadProgressCallback	The UploadProgressCallback event

See Also

[WebTransfer Class](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.CompleteCallback Event

The CompleteCallback event

```
public event TransferCompleteHandler CompleteCallback;
```

Remarks

This event occurs at completion of HTTP transaction, which can include an upload, download, or both. Warg is set to two integers, the id value set in the id property and a 0 for success and a -1 for failure.

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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WebTransfer.DownloadProgressCallback Event

The DownloadProgressCallback event

```
public event DownloadProgressHandler DownloadProgressCallback;
```

Remarks

This event occurs during asynchronous calls to an Internet resource every time the receiving buffer is full. Warg is set to three integers, bytes processed so far, total size of data being downloaded, id specified in id property

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utls.WebTransfer Namespace](#)

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WebTransfer.UploadProgressCallback Event

The UploadProgressCallback event

```
public event UploadProgressHandler UploadProgressCallback;
```

Remarks

This event occurs during asynchronous uploads to an Internet resource every time the sending buffer is empty. Warg is set to three integers, bytes processed so far, total size of data being downloaded, id specified in id property

See Also

[WebTransfer Class](#) | [WebTransfer Members](#) | [APL2000.Utils.WebTransfer Namespace](#)

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