

System.Net.IWebProxy Interface

```
[ILASM]
.class interface public abstract IWebProxy

[C#]
public interface IWebProxy
```

Assembly Info:

- *Name:* System
- *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- *Version:* 1.0.x.x
- *Attributes:*
 - CLSCompliantAttribute(true)

Summary

Defines the methods and properties required by types that support accessing hosts via proxy servers.

Library: Networking

Description

[*Note:* This interface is implemented by the **System.Net.WebRequest** type.]

IWebProxy.GetProxy(System.Uri) Method

```
[ILASM]
.method public hidebysig virtual abstract class System.Uri
GetProxy(class System.Uri destination)

[C#]
Uri GetProxy(Uri destination)
```

Summary

Returns the Uniform Resource Identifier (URI) of a proxy server.

Parameters

| Parameter | Description |
|--------------------|---|
| <i>destination</i> | A System.Uri specifying the requested Internet resource. |

Return Value

A **System.Uri** instance containing the URI of the proxy used to contact *destination*.

Behaviors

The **System.Net.IWebProxy.GetProxy** method returns the URI of the proxy server that handles requests to the Internet resource specified in the *destination* parameter.

Usage

Use this method to get the URI of the proxy server used to access the specified resource.

IWebProxy.IsBypassed(System.Uri)

Method

```
[ILASM]
.method public hidebysig virtual abstract bool
IsBypassed(class System.Uri host)

[C#]
bool IsBypassed(Uri host)
```

Summary

Returns a **System.Boolean** value that indicates whether the proxy server is not used to access a specified server.

Parameters

| Parameter | Description |
|-------------|---|
| <i>host</i> | The System.Uri of the server to check for proxy use. |

Return Value

true if the proxy server is not used to access the server specified in *host*; otherwise, **false**.

Behaviors

The value returned by the **System.Net.IWebProxy.IsBypassed** method indicates whether requests that access the server specified in the *host* parameter bypass the proxy server.

Usage

If **System.Net.IWebProxy.IsBypassed** is **true**, requests and responses between the client and *host* are not required to go through the proxy server.

IWebProxy.Credentials Property

```
[ILASM]
.property class System.Net.ICredentials Credentials {
public hidebysig virtual abstract specialname class
System.Net.ICredentials get_Credentials() public hidebysig
virtual abstract specialname void set_Credentials(class
System.Net.ICredentials value) }

[C#]
ICredentials Credentials { get; set; }
```

Summary

Gets or sets the credentials to submit to the proxy server for authentication.

Property Value

A **System.Net.ICredentials** instance that contains the credentials needed to authenticate a request to the proxy server.

Behaviors

The **System.Net.ICredentials** instance set and returned by the **System.Net.IWebProxy.Credentials** property contains the credentials that are sent to the proxy server in response to an HTTP 407 (**System.Net.HttpStatusCode.ProxyAuthenticationRequired**) status code.

Usage

Use this property to set the credentials supplied in response to HTTP 407 status code messages.