

1 System.Net.IWebProxy Interface

```
2 [ILAsm]  
3 .class interface public abstract IWebProxy  
  
4 [C#]  
5 public interface IWebProxy
```

6 Assembly Info:

- 7 • *Name:* System
- 8 • *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00 00]
- 9 • *Version:* 2.0.x.x
- 10 • *Attributes:*
 - 11 ○ CLSCompliantAttribute(true)

12 Summary

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

15 **Library:** Networking

16

17 Description

18 [*Note:* This interface is implemented by the `System.Net.WebRequest` type.]
19
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21

1 IWebProxy.GetProxy(System.Uri) Method

```
2 [ILAsm]  
3 .method public hidebysig virtual abstract class System.Uri GetProxy(class  
4 System.Uri destination)  
  
5 [C#]  
6 Uri GetProxy(Uri destination)
```

7 Summary

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

9 Parameters

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

10 11 Return Value

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

13 Behaviors

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

16

17 Usage

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

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1 IWebProxy.IsBypassed(System.Uri) Method

```
2 [ILAsm]  
3 .method public hidebysig virtual abstract bool IsBypassed(class System.Uri  
4 host )  
  
5 [C#]  
6 bool IsBypassed(Uri host)
```

7 Summary

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

10 Parameters

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

11 Return Value

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

15 Behaviors

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

20 Usage

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

23

24

1 IWebProxy.Credentials Property

```
2 [ILAsm]  
3 .property class System.Net.ICredentials Credentials { public hideby sig  
4 virtual abstract specialname class System.Net.ICredentials  
5 get_Credentials() public hideby sig virtual abstract specialname void  
6 set_Credentials(class System.Net.ICredentials value) }  
  
7 [C#]  
8 ICredentials Credentials { get; set; }
```

9 Summary

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

11 Property Value

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

14 Behaviors

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

19

20 Usage

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

23

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