

1 System.Net.IWebProxy Interface

2
3

```
4 [ILASM]  
5 .class interface public abstract IWebProxy  
  
6 [C#]  
7 public interface IWebProxy
```

8 Assembly Info:

- 9 • Name: System
- 10 • Public Key: [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- 11 • Version: 1.0.x.x
- 12 • Attributes:
 - 13 ○ CLSCompliantAttribute(true)

14 Summary

15

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

18 **Library:** Networking

19

20 Description

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

23

1 IWebProxy.GetProxy(System.Uri) Method

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

7 Summary

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

9 Parameters

10
11

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

12

13 Return Value

14

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

17 Behaviors

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

21 Usage

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

24

1 IWebProxy.IsBypassed(System.Uri)

2 Method

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

8 Summary

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

11 Parameters

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13

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

14
15
16

15 Return Value

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

19 Behaviors

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

23 Usage

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

27

1 IWebProxy.Credentials Property

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

10 Summary

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

13 Property Value

14

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

17 Behaviors

18 The **System.Net.ICredentials** instance set and returned by the
19 **System.Net.IWebProxy.Credentials** property contains the
20 credentials that are sent to the proxy server in response to an HTTP
21 407 (**System.Net.HttpStatusCode.ProxyAuthenticationRequired**)
22 status code.

23 Usage

24 Use this property to set the credentials supplied in response to HTTP
25 407 status code messages.

26