This page is specific to

Microsoft Visual Studio 2010/.NET Framework 4

.NET Framework Class Library

**IHttpHandler Interface**

Defines the contract that ASP.NET implements to synchronously process HTTP Web requests using custom HTTP handlers.

**Namespace:** [System.Web](http://msdn.microsoft.com/en-us/library/system.web.aspx)  
**Assembly:** System.Web (in System.Web.dll)

Description: http://i.msdn.microsoft.com/Global/Images/clear.gifSyntax

Visual Basic

Public Interface IHttpHandler

C#

public interface IHttpHandler

Visual C++

public interface class IHttpHandler

F#

type IHttpHandler = interface end

The **IHttpHandler** type exposes the following members.

Description: http://i.msdn.microsoft.com/Global/Images/clear.gifProperties

|  |  |  |
| --- | --- | --- |
|  | **Name** | **Description** |
| Description: Public property | [IsReusable](http://msdn.microsoft.com/en-us/library/system.web.ihttphandler.isreusable.aspx) | Gets a value indicating whether another request can use the **IHttpHandler** instance. |

[Top](http://msdn.microsoft.com/en-us/library/system.web.ihttphandler.aspx#mainBody)

Description: http://i.msdn.microsoft.com/Global/Images/clear.gifMethods

|  |  |  |
| --- | --- | --- |
|  | **Name** | **Description** |
| Description: Public method | [ProcessRequest](http://msdn.microsoft.com/en-us/library/system.web.ihttphandler.processrequest.aspx) | Enables processing of HTTP Web requests by a custom **HttpHandler** that implements the **IHttpHandler** interface. |

[Top](http://msdn.microsoft.com/en-us/library/system.web.ihttphandler.aspx#mainBody)

Description: http://i.msdn.microsoft.com/Global/Images/clear.gifRemarks

You can write custom HTTP handlers to process specific, predefined types of HTTP requests in any Common Language Specification (CLS) compliant language. Executable code defined in the **HttpHandler** classes, rather than conventional ASP or ASP.NET Web pages, responds to these specific requests. HTTP handlers give you a means of interacting with the low-level request and response services of the IIS Web server and provide functionality much like ISAPI extensions but with a simpler programming model.

If your handler will access session state values, it must implement the [IRequiresSessionState](http://msdn.microsoft.com/en-us/library/system.web.sessionstate.irequiressessionstate.aspx) interface (a marker interface with no methods).

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**IHttpModule Interface**

Provides module initialization and disposal events to the implementing class.

**Namespace:** [System.Web](http://msdn.microsoft.com/en-us/library/system.web.aspx)  
**Assembly:** System.Web (in System.Web.dll)

Description: http://i.msdn.microsoft.com/Global/Images/clear.gifSyntax

Visual Basic

Public Interface IHttpModule

C#

public interface IHttpModule

Visual C++

public interface class IHttpModule

F#

type IHttpModule = interface end

The **IHttpModule** type exposes the following members.

Description: http://i.msdn.microsoft.com/Global/Images/clear.gifMethods

|  |  |  |
| --- | --- | --- |
|  | **Name** | **Description** |
| Description: Public method | [Dispose](http://msdn.microsoft.com/en-us/library/system.web.ihttpmodule.dispose.aspx) | Disposes of the resources (other than memory) used by the module that implements **IHttpModule**. |
| Description: Public method | [Init](http://msdn.microsoft.com/en-us/library/system.web.ihttpmodule.init.aspx) | Initializes a module and prepares it to handle requests. |

[Top](http://msdn.microsoft.com/en-us/library/system.web.ihttpmodule.aspx#mainBody)

Description: http://i.msdn.microsoft.com/Global/Images/clear.gifExamples

For an example of a custom module that implements **IHttpModule**, see [Walkthrough: Creating and Registering a Custom HTTP Module](http://msdn.microsoft.com/en-us/library/ms227673.aspx).

This page is specific to

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.NET Framework Class Library

**IHttpHandlerFactory Interface**

Defines the contract that class factories must implement to create new [IHttpHandler](http://msdn.microsoft.com/en-us/library/system.web.ihttphandler.aspx) objects.

**Namespace:** [System.Web](http://msdn.microsoft.com/en-us/library/system.web.aspx)  
**Assembly:** System.Web (in System.Web.dll)

Description: http://i.msdn.microsoft.com/Global/Images/clear.gifSyntax

Visual Basic

Public Interface IHttpHandlerFactory

C#

public interface IHttpHandlerFactory

Visual C++

public interface class IHttpHandlerFactory

F#

type IHttpHandlerFactory = interface end

The **IHttpHandlerFactory** type exposes the following members.

Description: http://i.msdn.microsoft.com/Global/Images/clear.gifMethods

|  |  |  |
| --- | --- | --- |
|  | **Name** | **Description** |
| Description: Public method | [GetHandler](http://msdn.microsoft.com/en-us/library/system.web.ihttphandlerfactory.gethandler.aspx) | Returns an instance of a class that implements the [IHttpHandler](http://msdn.microsoft.com/en-us/library/system.web.ihttphandler.aspx) interface. |
| Description: Public method | [ReleaseHandler](http://msdn.microsoft.com/en-us/library/system.web.ihttphandlerfactory.releasehandler.aspx) | Enables a factory to reuse an existing handler instance. |

[Top](http://msdn.microsoft.com/en-us/library/system.web.ihttphandlerfactory.aspx#mainBody)

Description: http://i.msdn.microsoft.com/Global/Images/clear.gifRemarks

A class that implements the **IHttpHandlerFactory** interface has no behavior except to dynamically manufacture new instances of classes that implement the [IHttpHandler](http://msdn.microsoft.com/en-us/library/system.web.ihttphandler.aspx) interface.