

System.Net.WebException Class

```
[ILAsm]
.class public serializable WebException extends
System.InvalidOperationException

[C#]
public class WebException: InvalidOperationException
```

Assembly Info:

- *Name:* System
- *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00 00]
- *Version:* 2.0.x.x
- *Attributes:*
 - CLSCompliantAttribute(true)

Summary

Represents an error that occurs while accessing the Internet through a pluggable protocol.

Inherits From: System.InvalidOperationException

Library: Networking

Thread Safety: All public static members of this type are safe for multithreaded operations. No instance members are guaranteed to be thread safe.

Description

[*Note:* System.Net.WebException is thrown by classes derived from System.Net.WebRequest and System.Net.WebResponse that implement pluggable protocols when an error occurs in while accessing the Internet.

When System.Net.WebException is thrown by a method in a class derived from System.Net.WebRequest, the System.Net.WebException.Response property provides the Internet response to the application.

]

WebException() Constructor

```
[ILAsm]  
public rtspecialname specialname instance void .ctor()  
  
[C#]  
public WebException()
```

Summary

Constructs and initializes a new instance of the `System.Net.WebException` class.

Description

This constructor initializes the `System.Net.WebException.Message` property of the new instance to a system-supplied message that describes the error. This message takes into account the current system culture. The `System.Net.WebException.InnerException` and `System.Net.WebException.Response` properties of the new instance are initialized to null. The `System.Net.WebException.Status` property is initialized to `System.Net.WebException.Status.UnknownError`.

WebException(System.String) Constructor

```
[ILAsm]  
public rtspecialname specialname instance void .ctor(string message)  
  
[C#]  
public WebException(string message)
```

Summary

Constructs and initializes a new instance of the `System.Net.WebException` class.

Parameters

Parameter	Description
<i>message</i>	A <code>System.String</code> that describes the error. The content of <i>message</i> is intended to be understood by humans. The caller of this constructor is required to ensure that this string has been localized for the current system culture.

Description

This constructor initializes the `System.Net.WebException.Message` property of the new instance using *message*. If *message* is null, the `System.Net.WebException.Message` property is initialized to the system-supplied message provided by the constructor that takes no arguments.

The `System.Net.WebException.InnerException` and `System.Net.WebException.Response` properties of the new instance are initialized to null. The `System.Net.WebException.Status` property is initialized to `System.Net.WebException.Status.UnknownError`.

WebException(System.String, System.Exception) Constructor

```
[ILAsm]
public rtspecialname specialname instance void .ctor(string message, class
System.Exception innerException)

[C#]
public WebException(string message, Exception innerException)
```

Summary

Constructs and initializes a new instance of the `System.Net.WebException` class.

Parameters

Parameter	Description
<i>message</i>	A <code>System.String</code> that describes the error. The content of <i>message</i> is intended to be understood by humans. The caller of this constructor is required to ensure that this string has been localized for the current system culture.
<i>innerException</i>	An instance of <code>System.Exception</code> that is the cause of the current exception. If <i>innerException</i> is non-null, then the current <code>Exception</code> was raised in a catch block handling <i>innerException</i> .

Description

This constructor initializes the `System.Net.WebException.Message` property of the new instance using *message* and the `System.Net.WebException.InnerException` property using *innerException*. If *message* is null, the `System.Net.WebException.Message` property is initialized to the system-supplied message provided by the constructor that takes no arguments.

The `System.Net.WebException.Response` property of the new instance are initialized to null. The `System.Net.WebException.Status` property is initialized to `System.Net.WebException.Status.UnknownError`.

[Note: For more information on inner exceptions, see `System.Exception.InnerException`.]

WebException(System.String, System.Net.WebExceptionStatus) Constructor

```
[ILAsm]
public rtspecialname specialname instance void .ctor(string message,
valuetype System.Net.WebExceptionStatus status)

[C#]
public WebException(string message, WebExceptionStatus status)
```

Summary

Constructs and initializes a new instance of the `System.Net.WebException` class.

Parameters

Parameter	Description
<i>message</i>	A <code>System.String</code> that describes the error. The content of <i>message</i> is intended to be understood by humans. The caller of this constructor is required to ensure that this string has been localized for the current system culture.
<i>status</i>	A <code>System.Net.WebExceptionStatus</code> value that describes the status of the network connection after the exception is thrown.

Description

This constructor initializes the `System.Net.WebException.Message` property of the new instance using *message* and `System.Net.WebException.Status` using *status*. If *message* is null, the `System.Net.WebException.Message` property is initialized to the system-supplied message provided by the constructor that takes no arguments.

The `System.Net.WebException.InnerException` and `System.Net.WebException.Response` properties of the new instance are initialized to null.

WebException(System.String, System.Exception, System.Net.WebExceptionStatus, System.Net.WebResponse) Constructor

```
[ILAsm]
public rtspecialname specialname instance void .ctor(string message, class
System.Exception innerException, valuetype System.Net.WebExceptionStatus
status, class System.Net.WebResponse response)

[C#]
public WebException(string message, Exception innerException,
WebExceptionStatus status, WebResponse response)
```

Summary

Constructs and initializes a new instance of the `System.Net.WebException` class with the specified error message, nested exception, status, and response.

Parameters

Parameter	Description
<i>message</i>	A <code>System.String</code> that describes the error. The content of <i>message</i> is intended to be understood by humans. The caller of this constructor is required to ensure that this string has been localized for the current system culture.
<i>innerException</i>	An instance of <code>System.Exception</code> that is the cause of the current exception. If <i>innerException</i> is non-null, then the current <code>Exception</code> was raised in a catch block handling <i>innerException</i> .
<i>status</i>	A <code>System.Net.WebExceptionStatus</code> value that describes the status of the network connection after the exception is thrown.
<i>response</i>	A <code>System.Net.WebResponse</code> instance containing the response from the host.

Description

This constructor initializes the `System.Net.WebException.Message` property of the new instance using *message*, the `System.Net.WebException.Status` property using *status*, the `System.Net.WebException.InnerException` property using *innerException*, and the

1 `System.Net.WebException.Response` property using *response*. If *message* is null, the
2 `System.Net.WebException.Message` property is initialized to the system-supplied
3 message provided by the constructor that takes no arguments.

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WebException.Response Property

```
[ILAsm]
.property class System.Net.WebResponse Response { public hideby sig
specialname instance class System.Net.WebResponse get_Response() }

[C#]
public WebResponse Response { get; }
```

Summary

Gets the `System.Net.WebResponse` that the host returned.

Property Value

A `System.Net.WebResponse` instance containing the error response if one is available; otherwise, `null`.

Description

This property is read-only.

[*Note:* Some Internet protocols, such as HTTP, return otherwise valid responses indicating that an error has occurred at the protocol level. When the response to an Internet request indicates an error, `System.Net.WebRequest.GetResponse` sets the `System.Net.WebException.Status` property to `System.Net.WebExceptionStatus.ProtocolError` and provides the `System.Net.WebResponse` containing the error message in the `System.Net.WebException.Response` property of the `System.Net.WebException` that was thrown. The `System.Net.WebResponse` can be examined to determine the actual error.]

WebException.Status Property

```
[ILAsm]  
.property valuetype System.Net.WebExceptionStatus Status { public  
hidebysig specialname instance valuetype System.Net.WebExceptionStatus  
get_Status() }  
  
[C#]  
public WebExceptionStatus Status { get; }
```

Summary

Gets a value that indicates the status of the response.

Property Value

A `System.Net.WebExceptionStatus` value that indicates the status of the response.

Description

This property is read-only.

The `System.Net.WebException.Status` property indicates the reason for the current exception.

The default value for this property is `System.Net.WebExceptionStatus.UnknownError`.