

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]
- *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 `System.Net.WebException.Response` property using *response*. 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.

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`.