

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: 1.0.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.]

1 WebException() Constructor

```
2 [ILASM]  
3 public rtspecialname specialname instance void .ctor()  
4  
5 [C#]  
6 public WebException()
```

6 Summary

7 Constructs and initializes a new instance of the
8 **System.Net.WebException** class.

9 Description

10 This constructor initializes the **System.Net.WebException.Message**
11 property of the new instance to a system-supplied message that
12 describes the error. This message takes into account the current
13 system culture. The **System.Net.WebException.InnerException**,
14 **System.Net.WebException.Status**, and
15 **System.Net.WebException.Response** properties of the new
16 instance are initialized to **null**.

17

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 System.String 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**, **System.Net.WebException.Status**, and **System.Net.WebException.Response** properties of the new instance are initialized to **null**.

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 System.String 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 System.Exception that is the cause of the current exception. If <i>innerException</i> is non-null, then the current Exception 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.Status**, and **System.Net.WebException.Response** properties of the new instance are initialized to **null**.

[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 System.String 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 System.Net.WebExceptionStatus 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 System.String 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 System.Exception that is the cause of the current exception. If <i>innerException</i> is non-null, then the current Exception was raised in a catch block handling <i>innerException</i> .
<i>status</i>	A System.Net.WebExceptionStatus value that describes the status of the network connection after the exception is thrown.
<i>response</i>	A System.Net.WebResponse 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

- 1 system-supplied message provided by the constructor that takes no
- 2 arguments.
- 3

WebException.Response Property

```
[ILASM]
.property class System.Net.WebResponse Response { public
hidebysig 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.]

1 WebException.Status Property

```
2 [ILASM]
3 .property valuetype System.Net.WebExceptionStatus Status {
4 public hidebysig specialname instance valuetype
5 System.Net.WebExceptionStatus get_Status() }

6 [C#]
7 public WebExceptionStatus Status { get; }
```

8 Summary

9 Gets a value that indicates the status of the response.

10 Property Value

11

12 A **System.Net.WebExceptionStatus** value that indicates the status
13 of the response.

14 Description

15 This property is read-only.

16

17 The **System.Net.WebException.Status** property indicates the
18 reason for the current exception.

19