

1 System.Net.WebException Class

```
2 [ILAsm]  
3 .class public serializable WebException extends  
4 System.InvalidOperationException  
  
5 [C#]  
6 public class WebException: InvalidOperationException
```

7 Assembly Info:

- 8 • *Name:* System
- 9 • *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- 10 • *Version:* 2.0.x.x
- 11 • *Attributes:*
 - 12 ○ CLSCompliantAttribute(true)

13 Summary

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

16 Inherits From: System.InvalidOperationException

17

18 **Library:** Networking

19

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

22

23 Description

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

27

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

31

32]

33

1 WebException() Constructor

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

6 Summary

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

8 Description

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

15

1 WebException(System.String) Constructor

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

6 Summary

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

8 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.

9

10 Description

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

15

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

20

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.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.

1 WebException(System.String, 2 System.Exception, 3 System.Net.WebExceptionStatus, 4 System.Net.WebResponse) Constructor

```
5 [ILAsm]  
6 public rtspecialname specialname instance void .ctor(string message, class  
7 System.Exception innerException, valuetype System.Net.WebExceptionStatus  
8 status, class System.Net.WebResponse response)  
9  
10 [C#]  
11 public WebException(string message, Exception innerException,  
12 WebExceptionStatus status, WebResponse response)
```

12 Summary

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

15 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 Exception 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.

16 17 Description

18 This constructor initializes the `System.Net.WebException.Message` property of the new
19 instance using *message*, the `System.Net.WebException.Status` property using *status*,
20 the `System.Net.WebException.InnerException` property using *innerException*, and the
21 `System.Net.WebException.Response` property using *response*. If *message* is null, the
22 `System.Net.WebException.Message` property is initialized to the system-supplied
23 message provided by the constructor that takes no arguments.

1 WebException.Response Property

```
2 [ILAsm]  
3 .property class System.Net.WebResponse Response { public hidebyref  
4 specialname instance class System.Net.WebResponse get_Response() }  
  
5 [C#]  
6 public WebResponse Response { get; }
```

7 Summary

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

9 Property Value

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

12 Description

13 This property is read-only.

14
15 [Note: Some Internet protocols, such as HTTP, return otherwise valid responses
16 indicating that an error has occurred at the protocol level. When the response to an
17 Internet request indicates an error, System.Net.WebRequest.GetResponse sets the
18 System.Net.WebException.Status property to
19 System.Net.WebExceptionStatus.ProtocolError and provides the
20 System.Net.WebResponse containing the error message in the
21 System.Net.WebException.Response property of the System.Net.WebException that
22 was thrown. The System.Net.WebResponse can be examined to determine the actual
23 error.]
24
25

26

1 WebException.Status Property

```
2 [ILAsm]  
3 .property valuetype System.Net.WebExceptionStatus Status { public  
4 hidebysig specialname instance valuetype System.Net.WebExceptionStatus  
5 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 A `System.Net.WebExceptionStatus` value that indicates the status of the response.

12 Description

13 This property is read-only.

14
15 The `System.Net.WebException.Status` property indicates the reason for the current
16 exception.

17
18 The default value for this property is `System.Net.WebExceptionStatus.UnknownError`.

19