

# 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 [C#]  
5 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

# 1 WebException(System.String) Constructor

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

## 7 Summary

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

## 10 Parameters

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12

Parameter	Description
<i>message</i>	A <b>System.String</b> 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.

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## 14 Description

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

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24

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

25

# 1 WebException(System.String, 2 System.Exception) Constructor

```
3 [ILASM]  
4 public rtspecialname specialname instance void .ctor(string  
5 message, class System.Exception innerException)  
  
6 [C#]  
7 public WebException(string message, Exception  
8 innerException)
```

## 9 Summary

10 Constructs and initializes a new instance of the  
11 **System.Net.WebException** class.

## 12 Parameters

13  
14

Parameter	Description
<i>message</i>	A <b>System.String</b> 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 <b>System.Exception</b> 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> .

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## Description

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

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

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

31

# 1 WebException(System.String, 2 System.Net.WebExceptionStatus) 3 Constructor

```
4 [ILASM]  
5 public rtspecialname specialname instance void .ctor(string  
6 message, valuetype System.Net.WebExceptionStatus status)  
  
7 [C#]  
8 public WebException(string message, WebExceptionStatus  
9 status)
```

## 10 Summary

11 Constructs and initializes a new instance of the  
12 **System.Net.WebException** class.

## 13 Parameters

14  
15

Parameter	Description
<i>message</i>	A <b>System.String</b> 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 <b>System.Net.WebExceptionStatus</b> value that describes the status of the network connection after the exception is thrown.

16

## 17 Description

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

24

25 The **System.Net.WebException.InnerException** and  
26 **System.Net.WebException.Response** properties of the new  
27 instance are initialized to **null**.

28

# 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  
7 message, class System.Exception innerException, valuetype  
8 System.Net.WebExceptionStatus status, class  
9 System.Net.WebResponse response)  
  
10 [C#]  
11 public WebException(string message, Exception  
12 innerException, WebExceptionStatus status, WebResponse  
13 response)
```

## 14 Summary

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

## 18 Parameters

19  
20

Parameter	Description
<i>message</i>	A <b>System.String</b> 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 <b>System.Exception</b> 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 <b>System.Net.WebExceptionStatus</b> value that describes the status of the network connection after the exception is thrown.
<i>response</i>	A <b>System.Net.WebResponse</b> instance containing the response from the host.

21

## 22 Description

23 This constructor initializes the **System.Net.WebException.Message**  
24 property of the new instance using *message*, the  
25 **System.Net.WebException.Status** property using *status*, the  
26 **System.Net.WebException.InnerException** property using  
27 *innerException*, and the **System.Net.WebException.Response**  
28 property using *response*. If *message* is **null**, the  
29 **System.Net.WebException.Message** property is initialized to the

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

3

# 1 WebException.Response Property

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

## 8 Summary

9 Gets the **System.Net.WebResponse** that the host returned.

## 10 Property Value

11

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

## 14 Description

15 This property is read-only.

16

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

28

# 1 WebException.Status Property

```
2 [ILASM]
3 .property valuetype System.Net.WebExceptionStatus Status {
4 public hidebyref specialname instance valuetype
5 System.Net.WebExceptionStatus get_Status() }
6
7 [C#]
8 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