

# 1 System.TypeLoadException Class

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

## 7 Assembly Info:

- 8 • *Name:* mscorlib
- 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 the error that occurs when the system cannot load a `System.Type`.

## 15 Inherits From: System.SystemException

16

17 **Library:** RuntimeInfrastructure

18

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

21

## 22 Description

23 `System.TypeLoadException` is thrown when the system cannot load a `System.Type`, or  
24 cannot locate the assembly that contains the `System.Type`.

25

26 [*Note:* The following CIL instructions throw `System.TypeLoadException` and set the  
27 `TypeName` property via some unspecified mechanism:

- 28 • `box`
- 29 • `castclass`
- 30 • `cpobj`
- 31 • `isinst`
- 32 • `ldobj`
- 33 • `mkrefany`
- 34 • `refanyval`

- 1     • stobj
- 2     • unbox
- 3 ]
- 4

# 1 TypeLoadException() Constructor

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

## 6 Summary

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

## 8 Description

9 This constructor initializes the `System.TypeLoadException.Message` property of the new  
10 instance to a system-supplied message that describes the error, such as "A failure has  
11 occurred while loading a type." This message takes into account the current system  
12 culture.

13  
14 The `System.TypeLoadException.TypeName` property is initialized to  
15 `System.String.Empty`, and the `System.TypeLoadException.InnerException` property  
16 is initialized to `null`.

17

# 1 TypeLoadException(System.String)

## 2 Constructor

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

### 7 Summary

8 Constructs and initializes a new instance of the `System.TypeLoadException` class.

### 9 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.

10

### 11 Description

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

16

17 The `System.TypeLoadException.TypeName` property is initialized to  
18 `System.String.Empty`, and the `System.TypeLoadException.InnerException` property  
19 is initialized to null.

20

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

```
3 [ILAsm]  
4 public rtspecialname specialname instance void .ctor(string message, class  
5 System.Exception inner)  
  
6 [C#]  
7 public TypeLoadException(string message, Exception inner)
```

## 8 Summary

9 Constructs and initializes a new instance of the `System.TypeLoadException` class.

## 10 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>inner</i>	An instance of <code>System.Exception</code> that is the cause of the current exception. If <i>inner</i> is non-null, then the current Exception was raised in a catch block handling <i>inner</i> .

## 11 12 Description

13 This constructor initializes the `System.TypeLoadException.Message` property of the new  
14 instance using *message* and the `System.TypeLoadException.InnerException` property  
15 using *inner*. If *message* is null, the `System.TypeLoadException.Message` property is  
16 initialized to the system-supplied message provided by the constructor that takes no  
17 arguments.

18  
19 The `System.TypeLoadException.TypeName` property is initialized to  
20 `System.String.Empty`.

21  
22 For more information on inner exceptions, see `System.Exception.InnerException`.

23

# 1 TypeLoadException.Message Property

```
2 [ILAsm]  
3 .property string Message { public hidebysig virtual specialname string  
4 get_Message() }  
5 [C#]  
6 public override string Message { get; }
```

## 7 Summary

8 Gets the error message for this exception.

## 9 Property Value

10 A `System.String` containing a message that describes the error.

## 11 Description

12 This property is read-only.

13  
14 [*Note:* This property overrides `System.Exception.Message`.]  
15

16  
17  
18 If no message was supplied to the constructor for the current instance, the system  
19 supplies a default message that is formatted using the current system culture. The  
20 system-supplied message includes the fully qualified name of the type that failed to  
21 load, and the string obtained by invoking `System.Reflection.Assembly.ToString` on  
22 the assembly that referenced the type. For a type named *MyTypes.MyClass*, referenced  
23 by an assembly with the simple name *MyAssembly*, the message might read as follows:  
24

25 Could not load type MyTypes.MyClass from assembly MyAssembly,  
26 Version=0.0.0.0, Culture=neutral, PublicKeyToken=null.

27

# 1 TypeLoadException.TypeName Property

```
2 [ILAsm]  
3 .property string TypeName { public hidebysig specialname instance string  
4 get_TypeName() }  
  
5 [C#]  
6 public string TypeName { get; }
```

## 7 Summary

8 Gets the fully qualified name of the `System.Type` that failed to load.

## 9 Property Value

10 A `System.String` containing the fully qualified type name.

## 11 Description

12 This property is read-only.

13