

System.TypeLoadException Class

```
[ILASM]
.class public serializable TypeLoadException extends
System.SystemException

[C#]
public class TypeLoadException: SystemException
```

Assembly Info:

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

Inherits From: System.SystemException

Library: RuntimeInfrastructure

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

Description

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

[*Note:* The following IL instructions throw **System.TypeLoadException**:

- box
- castclass
- isinst
- ldobj
- mkrefany

- 1 • refanyval
- 2 • stobj
- 3 • unbox
- 4]
- 5

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
8 **System.TypeLoadException** class.

9 Description

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

14
15 The **System.TypeLoadException.TypeName** property is initialized
16 to **System.String.Empty**, and the
17 **System.TypeLoadException.InnerException** property is initialized
18 to **null**.

19

1 TypeLoadException(System.String) 2 Constructor

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

8 Summary

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

11 Parameters

12
13

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.

14
15

15 Description

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

21
22 The **System.TypeLoadException.TypeName** property is initialized
23 to **System.String.Empty**, and the
24 **System.TypeLoadException.InnerException** property is initialized
25 to **null**.

26

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

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

8 Summary

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

11 Parameters

12
13

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>inner</i>	An instance of System.Exception 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> .

14
15

Description

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

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The **System.TypeLoadException.TypeName** property is initialized
to **System.String.Empty**.

26
27

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

28

1 TypeLoadException.Message Property

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

7 Summary

8 Gets the error message for this exception.

9 Property Value

10

11 A **System.String** containing a message that describes the error.

12 Description

13 This property is read-only.

14

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

16

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

25

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

29

1 TypeLoadException.TypeName Property

```
2 [ILASM]  
3 .property string TypeName { public hidebysig specialname  
4 instance string 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

11 A **System.String** containing the fully qualified type name, or
12 **System.String.Empty** if no type name was supplied to the
13 constructor of the current instance.

14 Description

15 This property is read-only.

16