

System.IO.FileLoadException Class

```
[ILAsm]
.class public serializable FileLoadException extends System.IO.IOException

[C#]
public class FileLoadException: IOException
```

Assembly Info:

- *Name:* mscorlib
- *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00 00]
- *Version:* 2.0.x.x
- *Attributes:*
 - CLSCompliantAttribute(true)

Summary

Represents the error that occurs when a `System.Reflection.Assembly` file is found but cannot be loaded.

Inherits From: System.IO.IOException

Library: BCL

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:* The `System.IO.FileNotFoundException` exception is thrown when the file fails to load because it cannot be located. If the file is located, but cannot be loaded due to insufficient permissions, a `System.Security.SecurityException` is thrown.]

FileLoadException() Constructor

```
[ILAsm]  
public rtspecialname specialname instance void .ctor()  
  
[C#]  
public FileLoadException()
```

Summary

Constructs and initializes a new instance of the `System.IO.FileLoadException` class.

Description

This constructor initializes the `System.IO.FileLoadException.Message` property of the new instance to a system-supplied message that describes the error, such as "Could not load the specified file." This message takes into account the current system culture.

The `System.IO.FileLoadException.InnerException` property and `System.IO.FileLoadException.FileName` property of the new instance are initialized to `null`.

FileLoadException(System.String) Constructor

```
[ILAsm]  
public rtspecialname specialname instance void .ctor(string message)  
  
[C#]  
public FileLoadException(string message)
```

Summary

Constructs and initializes a new instance of the `System.IO.FileLoadException` class with the specified error message.

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.

Description

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

The `System.IO.FileLoadException.InnerException` property and `System.IO.FileLoadException.FileName` property of the new instance are initialized to null.

FileLoadException(System.String, System.Exception) Constructor

```
[ILAsm]
public rtspecialname specialname instance void .ctor(string message, class
System.Exception inner)

[C#]
public FileLoadException(string message, Exception inner)
```

Summary

Constructs and initializes a new instance of the `System.IO.FileLoadException` 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>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> .

Description

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

The `System.IO.FileLoadException.FileName` property of the new instance is initialized to null.

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

FileLoadException(System.String, System.String) Constructor

```
[ILAsm]
public rtspecialname specialname instance void .ctor(string message,
string fileName)

[C#]
public FileLoadException(string message, string fileName)
```

Summary

Constructs and initializes a new instance of the `System.IO.FileLoadException` 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>fileName</i>	A <code>System.String</code> containing the name of the file that was not loaded.

Description

This constructor initializes the `System.IO.FileLoadException.Message` property of the new instance using *message* and the `System.IO.FileLoadException.FileName` property using *fileName*. If *message* is null, the `System.IO.FileLoadException.Message` property is initialized to the system-supplied message provided by the constructor that takes no arguments.

The `System.IO.FileLoadException.InnerException` property of the new instance is initialized to null.

[*Note:* `System.IO.FileLoadException.FileName` is not required to be a file stored on disk; it can be any part of a system that supports access via streams. For example, depending on the system, this class might be able to access a physical device.

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FileLoadException(System.String, System.String, System.Exception) Constructor

```
[ILAsm]  
public rtspecialname specialname instance void .ctor(string message,  
string fileName, class System.Exception inner)  
  
[C#]  
public FileLoadException(string message, string fileName, Exception inner)
```

Summary

Constructs and initializes a new instance of the `System.IO.FileLoadException` 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>fileName</i>	A <code>System.String</code> containing the name of the file that was not loaded.
<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> .

Description

This constructor initializes the `System.IO.FileLoadException.Message` property of the new instance using *message*, the `System.IO.FileLoadException.InnerException` property using *inner*, and the `System.IO.FileLoadException.FileName` property using *fileName*. If *message* is null, the `System.IO.FileLoadException.Message` property is initialized to the system-supplied message provided by the constructor that takes no arguments.

[*Note:* `System.IO.FileLoadException.FileName` is not required to be a file stored on disk; it can be any part of a system that supports access via streams. For example, depending on the system, this class might be able to access a physical device.

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

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FileLoadException.ToString() Method

```
[ILAsm]  
.method public hidebysig virtual string ToString()  
  
[C#]  
public override string ToString()
```

Summary

Returns a string representation of the current exception.

Return Value

A `System.String` representation of the current exception.

Description

The string representation returned by this method includes the value of the `System.IO.FileLoadException.Message` property, the value of the `System.IO.FileLoadException.FileName` property, the result of calling `ToString` on the exception returned by `System.IO.FileLoadException.InnerException`, and the result of calling `System.Environment.StackTrace`. If any of these members is `null`, its value is not included in the returned string.

[*Note:* This method overrides `System.Object.ToString`.]

FileLoadException.FileName Property

```
[ILAsm]  
.property string FileName { public hidebysig specialname instance string  
get_FileName() }  
  
[C#]  
public string FileName { get; }
```

Summary

Gets the name of the file that caused the current exception.

Property Value

A `System.String` containing the name of the file that caused the current exception.

Description

This property is read-only.

This property returns the name of the file supplied to the constructor for the current instance, if any. If the file name was not specified or is a null reference, this property returns `null`.

FileLoadException.Message Property

```
[ILAsm]
.property string Message { public hidebysig virtual specialname string
get_Message() }

[C#]
public override string Message { get; }
```

Summary

Gets the error message that describes the current exception.

Property Value

A `System.String` containing a message that describes the error that caused the current exception.

Description

If the message supplied to the constructor for the current instance was not `null`, this property returns that message. Otherwise, this property returns a system-supplied message that includes the name of the file that was not loaded, for example, "Unable to load file a *FileName*." (a *FileName* represents the value returned by `System.IO.FileLoadException.FileName`.) If `System.IO.FileLoadException.FileName` is `null`, this is indicated in the system-supplied message as "(null)". The system-supplied message takes into account the current system culture.

This property is read-only.

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