

# 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]
- *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.

]

# 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`.



# 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`.]