System.BadImageFormatException Class

```
[ILAsm]
.class public serializable BadImageFormatException extends
System.SystemException

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

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 an attempt is made to load a
`System.Reflection.Assembly` from a file with an invalid file image.

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

This exception is thrown when the file image of an executable program is invalid.
For example, this exception is thrown when unmanaged code is passed to
`System.Reflection.Assembly.Load` for loading.

Example

The following example demonstrates an attempt to load an unmanaged
executable, which causes the system to throw a
`System.BadImageFormatException` exception. [*Note:* The name of the
unmanaged executable is "calc".]

```
[C#]

using System;
using System.Reflection;
```

```
public class BadImageExample {
  public static void Main() {
    try {
      Assembly a = Assembly.Load("calc");
    }
    catch (BadImageFormatException e) {
      Console.WriteLine("Caught: {0}", e.Message);
    }
  }
}
```

The output is

```
Caught: The format of the file 'calc' is invalid.
```

BadImageFormatException() Constructor

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


[C#]
public BadImageFormatException()
```

Summary

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

Description

This constructor initializes the `System.BadImageFormatException.Message`
property of the new instance to a system-supplied message that describes the
error, such as "Format of the executable or library is invalid." This message takes
into account the current system culture.

The `System.BadImageFormatException.InnerException` and the
`System.BadImageFormatException.FileName` properties of the new instance are
initialized to `null`.

BadImageFormatException(System.String) Constructor

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


[C#]
public BadImageFormatException(string message)
```

Summary

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

Parameters

Parameter	Description
message	A `System.String` that describes the error. The content of *message* 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.BadImageFormatException.Message`
property of the new instance using *message*. If *message* is `null`, the
`System.BadImageFormatException.Message` property is initialized to the
system-supplied message provided by the constructor that takes no arguments.

The `System.BadImageFormatException.InnerException` and the
`System.BadImageFormatException.FileName` properties of the new instance are
initialized to `null`.

BadImageFormatException(System.String , System.Exception) Constructor

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


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

Summary

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

Parameters

Parameter	Description
message	A `System.String` that describes the error. The content of *message* 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.
inner	An instance of `System.Exception` that is the cause of the current exception. If *inner* is non-null, then the current exception was raised in a catch block handling *inner*.

Description

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

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

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

BadImageFormatException(System.String, System.String) Constructor

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


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

Summary

Constructs and initializes a new instance of the
System.BadImageFormatException class.

Parameters

Parameter	Description
message	A System.String that describes the error. The content of *message* 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.
fileName	A System.String containing the name of the file with the invalid image.

Description

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

The System.BadImageFormatException.InnerException property of the new
instance is initialized to null.

If the *fileName* parameter is null, the
System.BadImageFormatException.FileName property is set to null, the
System.BadImageFormatException.Message property does not contain the name
of the file, and the System.BadImageFormatException.ToString method does
not return the name of the file with the invalid image.

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

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

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

Summary

Constructs and initializes a new instance of the
System.BadImageFormatException class.

Parameters

Parameter	Description
message	A System.String that describes the error. The content of *message* 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.
fileName	A System.String containing the name of the file with the invalid image.
inner	An instance of System.Exception that is the cause of the current exception. If *inner* is non-null, then the current exception was raised in a catch block handling *inner*.

Description

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

[*Note:* If the *fileName* parameter is null, the
System.BadImageFormatException.FileName property is set to null, the
System.BadImageFormatException.Message property does not contain the name
of the file, and the System.BadImageFormatException.ToString method does
not return the name of the file with the invalid image.

For more information on inner exceptions, see

```
System.Exception.InnerException.

]
```

BadImageFormatException.ToString() Method

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


[C#]
public override string ToString()
```

Summary

Returns a `System.String` representation of the value of the current exception.

Return Value

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

Description

The string representation returned by this method includes the name of the exception, the value of the `System.BadImageFormatException.Message` property, the result of calling `ToString` on the inner exception, the value of the `System.BadImageFormatException.FileName` property, 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.Exception.ToString`.]

BadImageFormatException.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 with the invalid image.

Property Value

A `System.String` containing the name of the file with the invalid image, or `null` if no file name was passed to the constructor for the current instance.

Description

This property is read-only.

BadImageFormatException.Message Property

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


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

Summary

Gets a `System.String` that describes the error that caused the current exception.

Property Value

A `System.String` containing the error description.

Description

If no message was supplied to the constructor for the current exception, this property returns a system-supplied error message. If the `System.BadImageFormatException.FileName` property is not `null`, the message includes the file name.

This property is read-only.