

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]
- Version: 1.0.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;
```

```
1      public class BadImageExample {  
2          public static void Main() {  
3              try {  
4                  Assembly a = Assembly.Load("calc");  
5              }  
6              catch (BadImageFormatException e) {  
7                  Console.WriteLine("Caught: {0}", e.Message);  
8              }  
9          }  
10     }  
11
```

12 The output is

13
14 Caught: The format of the file 'calc' is invalid.
15

16

1 **BadImageFormatException() Constructor**

```
2 [ILASM]  
3 public rtspecialname specialname instance void .ctor()  
4  
5 [C#]  
6 public BadImageFormatException()
```

6 **Summary**

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

9 **Description**

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

15
16 The **System.BadImageFormatException.InnerException** and the
17 **System.BadImageFormatException.FileName** properties of the
18 new instance are initialized to **null**.

19

1 BadImageFormatException(System.String 2) Constructor

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

8 Summary

9 Constructs and initializes a new instance of the
10 **System.BadImageFormatException** 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 Description

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

22

23 The **System.BadImageFormatException.InnerException** and the
24 **System.BadImageFormatException.FileName** properties of the
25 new instance are initialized to **null**.

26

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
<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> .

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
<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>fileName</i>	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
<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>fileName</i>	A System.String containing the name of the file with the invalid image.
<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> .

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.

1
2 For more information on inner exceptions, see
3 **System.Exception.InnerException.]**

4

1 **BadImageFormatException.ToString()**

2 **Method**

```
3 [ILASM]  
4 .method public hidebysig virtual string ToString()  
  
5 [C#]  
6 public override string ToString()
```

7 **Summary**

8 Returns a **System.String** representation of the value of the current
9 exception.

10 **Return Value**

11

12 A **System.String** representation of the current exception.

13 **Description**

14 The string representation returned by this method includes the name
15 of the exception, the value of the
16 **System.BadImageFormatException.Message** property, the result
17 of calling **ToString** on the inner exception, the value of the
18 **System.BadImageFormatException.FileName** property, and the
19 result of calling **System.Environment.StackTrace**. If any of these
20 members is **null**, its value is not included in the returned string.
21

22 [Note: This method overrides **System.Exception.ToString**.]
23

1 BadImageFormatException.FileName

2 Property

```
3 [ILASM]
4 .property string FileName { public hidebysig specialname
5 instance string get_FileName() }
6
7 [C#]
8 public string FileName { get; }
```

8 Summary

9 Gets the name of the file with the invalid image.

10 Property Value

11

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

15 Description

16 This property is read-only.

17

1 BadImageFormatException.Message

2 Property

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

8 Summary

9 Gets a **System.String** that describes the error that caused the current
10 exception.

11 Property Value

12

13 A **System.String** containing the error description.

14 Description

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

19

20 This property is read-only.

21