

1 System.BadImageFormatException Class

```
2 [ILAsm]
3 .class public serializable BadImageFormatException extends
4 System.SystemException
5
6 [C#]
7 public class BadImageFormatException: SystemException
```

7 Assembly Info:

- 8 • *Name:* mscorlib
- 9 • *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- 10 • *Version:* 2.0.x.x
- 11 • *Attributes:*
 - 12 ○ CLSCompliantAttribute(true)

13 Summary

14 Represents the error that occurs when an attempt is made to load a
15 System.Reflection.Assembly from a file with an invalid file image.

16 Inherits From: System.SystemException

17

18 **Library:** RuntimeInfrastructure

19

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

22

23 Description

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

27 Example

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

31

32

33

34 [C#]

```
35 using System;
36 using System.Reflection;
37
38 public class BadImageExample {
39     public static void Main() {
```

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

10 The output is

11
12 Caught: The format of the file 'calc' is invalid.

13

14

1 BadImageFormatException() Constructor

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

6 Summary

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

9 Description

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

14
15 The `System.BadImageFormatException.InnerException` and the
16 `System.BadImageFormatException.FileName` properties of the new instance are
17 initialized to null.

18

1 BadImageFormatException(System.String)

2 Constructor

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

7 Summary

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

10 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.

11 12 Description

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

17
18 The `System.BadImageFormatException.InnerException` and the
19 `System.BadImageFormatException.FileName` properties of the new instance are
20 initialized to null.

21

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

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

8 Summary

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

11 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> .

12

13 Description

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

19

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

22

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

25

26

27

1 BadImageFormatException(System.String, 2 System.String) Constructor

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

8 Summary

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

11 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 with the invalid image.

12

13 Description

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

19

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

22

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

27

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 <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 with the invalid image.
<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.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     For more information on inner exceptions, see System.Exception.InnerException.  
2  
3 ]  
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 exception.

9 Return Value

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

11 Description

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

18
19 [*Note:* This method overrides `System.Exception.ToString`.]
20
21

22

1 BadImageFormatException.FileName 2 Property

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

8 Summary

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

10 Property Value

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

13 Description

14 This property is read-only.

15

1 BadImageFormatException.Message Property

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

7 Summary

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

9 Property Value

10 A `System.String` containing the error description.

11 Description

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

16
17 This property is read-only.

18