

# 1 System.IO.DirectoryNotFoundException

## 2 Class

3  
4

```
5 [ILASM]  
6 .class public serializable DirectoryNotFoundException  
7 extends System.IO.IOException  
  
8 [C#]  
9 public class DirectoryNotFoundException: IOException
```

### 10 Assembly Info:

- 11 • Name: mscorlib
- 12 • Public Key: [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- 13 • Version: 1.0.x.x
- 14 • Attributes:
  - 15 ○ CLSCompliantAttribute(true)

### 16 Summary

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18 Represents the error that occurs when part of a file or directory  
19 argument cannot be found.

### 20 Inherits From: System.IO.IOException

21

22 **Library:** BCL

23

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

26

### 27 Example

28

29 The following example demonstrates an error that causes the  
30 **System.IO.DirectoryNotFoundException** exception to be thrown.  
31 In this case, the /Mistake/examples/ directory does not exist and  
32 therefore cannot be located.

33

```
34 [C#]  
  
35 using System;  
36 using System.IO;  
37 class DirectoryNotFoundExample {  
38     public static void Main () {  
39         string badPath = "/Mistake/examples/";  
40         try {  
41             Directory.GetFiles(badPath);  
42         }  
}
```

```
1     catch (DirectoryNotFoundException e) {  
2         Console.WriteLine("Caught: {0}", e.Message);  
3     }  
4 }  
5 }
```

6 The output is

```
7  
8     Caught: Could not find a part of the path  
9     "C:\Mistake\examples".  
10
```

11

# 1 DirectoryNotFoundException() 2 Constructor

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

## 7 Summary

8 Constructs and initializes a new instance of the  
9 **System.IO.DirectoryNotFoundException** class.

## 10 Description

11 This constructor initializes the  
12 **System.IO.DirectoryNotFoundException.Message** property of the  
13 new instance to a system-supplied message that describes the error,  
14 such as "Could not find the specified directory." This message takes  
15 into account the current system culture.

16  
17 The **System.IO.DirectoryNotFoundException.InnerException**  
18 property of the new instance is initialized to **null**.

19

# 1 DirectoryNotFoundException(System.String) 2 g) Constructor

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

## 8 Summary

9 Constructs and initializes a new instance of the  
10 **System.IO.DirectoryNotFoundException** class.

## 11 Parameters

12  
13

Parameter	Description
<i>message</i>	A <b>System.String</b> 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.IO.DirectoryNotFoundException.Message** property of the  
18 new instance using *message*. If *message* is **null**, the  
19 **System.IO.DirectoryNotFoundException.Message** property is  
20 initialized to the system-supplied message provided by the constructor  
21 that takes no arguments.

22

23 The **System.IO.DirectoryNotFoundException.InnerException**  
24 property is initialized to **null**.

25

# DirectoryNotFoundException(System.String, System.Exception) Constructor

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

[C#]
public DirectoryNotFoundException(string message, Exception
innerException)
```

## Summary

Constructs and initializes a new instance of the **System.IO.DirectoryNotFoundException** class.

## Parameters

Parameter	Description
<i>message</i>	A <b>System.String</b> 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>innerException</i>	An instance of <b>System.Exception</b> that is the cause of the current exception. If <i>innerException</i> is non-null, then the current Exception was raised in a catch block handling <i>innerException</i> .

## Description

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

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