

# 1 System.IO.DirectoryNotFoundException Class

```
2 [ILAsm]  
3 .class public serializable DirectoryNotFoundException extends  
4 System.IO.IOException  
  
5 [C#]  
6 public class DirectoryNotFoundException: IOException
```

## 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 part of a file or directory argument cannot be  
15 found.

## 16 Inherits From: System.IO.IOException

17

18 **Library:** BCL

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 Example

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

27

```
28 [C#]  
  
29 using System;  
30 using System.IO;  
31 class DirectoryNotFoundExample {  
32     public static void Main () {  
33         string badPath = "/Mistake/examples/";  
34         try {  
35             Directory.GetFiles(badPath);  
36         }  
37         catch (DirectoryNotFoundException e) {  
38             Console.WriteLine("Caught: {0}", e.Message);  
39         }  
40     }  
41 }
```

1 The output is

2

3 Caught: Could not find a part of the path "C:\Mistake\examples".

4

5

# 1 DirectoryNotFoundException() Constructor

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

## 6 Summary

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

## 9 Description

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

14  
15 The `System.IO.DirectoryNotFoundException.InnerException` property of the new  
16 instance is initialized to null.

17

# 1 DirectoryNotFoundException(System.String) 2 Constructor

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

## 7 Summary

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

## 10 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.

## 11 12 Description

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

17  
18 The System.IO.DirectoryNotFoundException.InnerException property is initialized  
19 to null.

20

# 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 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>innerException</i>	An instance of System.Exception 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.]