

# System.IO.DirectoryNotFoundException

## Class

```
[ILASM]
.class public serializable DirectoryNotFoundException
extends System.IO.IOException

[C#]
public class DirectoryNotFoundException: IOException
```

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

### Inherits From: System.IO.IOException

**Library:** BCL

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

### Example

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

```
[C#]

using System;
using System.IO;
class DirectoryNotFoundExample {
    public static void Main () {
        string badPath = "/Mistake/examples/";
        try {
            Directory.GetFiles(badPath);
        }
    }
}
```

```
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

# DirectoryNotFoundException(System.String) Constructor

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

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

## 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.

## Description

This constructor initializes the **System.IO.DirectoryNotFoundException.Message** property of the new instance using *message*. 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.

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

# 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**.]