

# 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 00]
- *Version:* 2.0.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);
        }
        catch (DirectoryNotFoundException e) {
            Console.WriteLine("Caught: {0}", e.Message);
        }
    }
}
```

```
1     }
2     }
3     }
4 The output is
5
6 Caught: Could not find a part of the path "C:\Mistake\examples".
7
8
```

# DirectoryNotFoundException() Constructor

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

## Summary

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

## Description

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

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

# 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 <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.

## 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 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.]