

# System.UnauthorizedAccessException Class

```
[ILAsm]
.class public serializable UnauthorizedAccessException extends
System.SystemException

[C#]
public class UnauthorizedAccessException: SystemException
```

## 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 an I/O operation cannot be performed because of incompatible file access levels.

## Inherits From: System.SystemException

**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.

## Description

`System.UnauthorizedAccessException` is typically thrown when a request is made to write to a read-only file, or a file I/O operation is requested on a directory.

# UnauthorizedAccessException() Constructor

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

## Summary

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

## Description

This constructor initializes the `System.UnauthorizedAccessException.Message` property of the new instance to a system-supplied message that describes the error, such as "Attempted to perform an unauthorized operation." This message takes into account the current system culture.

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

# UnauthorizedAccessException(System.String) Constructor

```
[ILAsm]  
public rtspecialname specialname instance void .ctor(string message)  
  
[C#]  
public UnauthorizedAccessException(string message)
```

## Summary

Constructs and initializes a new instance of the `System.UnauthorizedAccessException` 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.UnauthorizedAccessException.Message` property of the new instance using *message*. If *message* is null, the `System.UnauthorizedAccessException.Message` property is initialized to the system-supplied message provided by the constructor that takes no arguments.

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

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

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

[C#]
public UnauthorizedAccessException(string message, Exception inner)
```

## Summary

Constructs and initializes a new instance of the `System.UnauthorizedAccessException` 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>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.UnauthorizedAccessException.Message` property of the new instance using *message* and the `System.UnauthorizedAccessException.InnerException` property using *inner*. If *message* is null, the `System.UnauthorizedAccessException.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`.]