

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]
- *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`.]