

# System.Security.Permissions.CodeAccessSecurityAttribute Class

```
[ILAsm]
.class public abstract serializable CodeAccessSecurityAttribute extends
System.Security.Permissions.SecurityAttribute

[C#]
public abstract class CodeAccessSecurityAttribute: SecurityAttribute
```

## 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)

## Type Attributes:

- AttributeUsageAttribute(AttributeTargets.Assembly | AttributeTargets.Class | AttributeTargets.Struct | AttributeTargets.Constructor | AttributeTargets.Method, AllowMultiple=true, Inherited=false)

## Summary

This is the base class for code access security attributes.

## Inherits From: System.Security.Permissions.SecurityAttribute

## 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

[*Note:* The types that derive from `System.Security.Permissions.CodeAccessSecurityAttribute` are used to secure access to resources or securable operations.

The security information declared by a security attribute is stored in the metadata of the attribute target, and is accessed by the system at run-time. Security attributes are used for declarative security only. Use the corresponding permission class derived from `System.Security.CodeAccessPermission` for imperative security.

]

# CodeAccessSecurityAttribute(System.Security.Permissions.SecurityAction) Constructor

```
[ILAsm]
public rtspecialname specialname instance void .ctor(valuetype
System.Security.Permissions.SecurityAction action)

[C#]
public CodeAccessSecurityAttribute(SecurityAction action)
```

## Summary

Constructs and initializes a new instance of System.Security.Permissions.CodeAccessSecurityAttribute with the specified System.Security.Permissions.SecurityAction value.

## Parameters

Parameter	Description
<i>action</i>	A System.Security.Permissions.SecurityAction value.

## Exceptions

Exception	Condition
<b>System.ArgumentException</b>	<i>action</i> is not a valid System.Security.Permissions.SecurityAction value.