

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.

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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 <code>System.Security.Permissions.SecurityAction</code> value.

Exceptions

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