

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]
- *Version:* 1.0.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.

- 1 Use the corresponding permission class derived from
- 2 **System.Security.CodeAccessPermission** for imperative security.]
- 3

1 CodeAccessSecurityAttribute() 2 Constructor

```
3 [ILASM]  
4 family specialname instance void .ctor()  
  
5 [C#]  
6 protected CodeAccessSecurityAttribute()
```

7 Summary

8 Constructs a new instance of the
9 **System.Security.Permissions.CodeAccessSecurityAttribute**
10 class.
11

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