

1 System.Security.Permissions.CodeAccessSecurityAttribute Class

```
3 [ILAsm]  
4 .class public abstract serializable CodeAccessSecurityAttribute extends  
5 System.Security.Permissions.SecurityAttribute  
  
6 [C#]  
7 public abstract class CodeAccessSecurityAttribute: SecurityAttribute
```

8 Assembly Info:

- 9 • *Name:* mscorlib
- 10 • *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00 00]
- 11 • *Version:* 2.0.x.x
- 12 • *Attributes:*
 - 13 ○ CLSCompliantAttribute(true)

14 Type Attributes:

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

18 Summary

19 This is the base class for code access security attributes.

20 Inherits From: System.Security.Permissions.SecurityAttribute

21
22 **Library:** BCL

23
24 **Thread Safety:** All public static members of this type are safe for multithreaded operations.
25 No instance members are guaranteed to be thread safe.

26 27 Description

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

31
32 The security information declared by a security attribute is stored in the metadata of the
33 attribute target, and is accessed by the system at run-time. Security attributes are used
34 for declarative security only. Use the corresponding permission class derived from
35 System.Security.CodeAccessPermission for imperative security.

36
37]

38

1
2 **CodeAccessSecurityAttribute(System.Security**
3 **.Permissions.SecurityAction) Constructor**

```
4 [ILAsm]  
5 public rtspecialname specialname instance void .ctor(valuetype  
6 System.Security.Permissions.SecurityAction action)  
7  
8 [C#]  
9 public CodeAccessSecurityAttribute(SecurityAction action)
```

9 **Summary**

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

13 **Parameters**

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

14
15 **Exceptions**

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

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