

System.Security.Permissions.FileIOPermissionAccess Enum

```
[ILAsm]  
.class public sealed serializable FileIOPermissionAccess extends  
System.Enum  
  
[C#]  
public enum FileIOPermissionAccess
```

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:

- FlagsAttribute

Summary

Represents access to files and directories.

Inherits From: System.Enum

Library: BCL

Description

[*Note:* This enumeration is used by the System.Security.Permissions.FileIOPermission class.]

FileIOPermissionAccess.AllAccess Field

```
[ILAsm]  
.field public static literal valuetype  
System.Security.Permissions.FileIOPermissionAccess AllAccess = Read |  
Write | Append | PathDiscovery  
  
[C#]  
AllAccess = Read | Write | Append | PathDiscovery
```

Summary

Specifies System.Security.Permissions.FileIOPermissionAccess.Append, System.Security.Permissions.FileIOPermissionAccess.Read, System.Security.Permissions.FileIOPermissionAccess.Write, and System.Security.Permissions.FileIOPermissionAccess.PathDiscovery access to a file or directory.

FileIOPermissionAccess.Append Field

```
[ILAsm]  
.field public static literal valuetype  
System.Security.Permissions.FileIOPermissionAccess Append = 0x4  
  
[C#]  
Append = 0x4
```

Summary

Specifies append access to a file or directory. Append access includes the ability to create a new file or directory.

FileIOPermissionAccess.NoAccess Field

```
[ILAsm]  
.field public static literal valuetype  
System.Security.Permissions.FileIOPermissionAccess NoAccess = 0x0  
  
[C#]  
NoAccess = 0x0
```

Summary

Specifies no access to a file or directory.

FileIOPermissionAccess.PathDiscovery Field

```
[ILAsm]  
.field public static literal valuetype  
System.Security.Permissions.FileIOPermissionAccess PathDiscovery = 0x8  
  
[C#]  
PathDiscovery = 0x8
```

Summary

Specifies access to the path information for a file or directory.

System.Security.Permissions.FileIOPermissionAccess.PathDiscovery does not include access to the contents of a file or directory.

[*Note:* This permission is used to protect sensitive information in the path, such as user names, as well as information about the directory structure revealed in the path.]

FileIOPermissionAccess.Read Field

```
[ILAsm]  
.field public static literal valuetype  
System.Security.Permissions.FileIOPermissionAccess Read = 0x1  
  
[C#]  
Read = 0x1
```

Summary

Specifies read access to a file or directory.

FileIOPermissionAccess.Write Field

```
[ILAsm]  
.field public static literal valuetype  
System.Security.Permissions.FileIOPermissionAccess Write = 0x2  
  
[C#]  
Write = 0x2
```

Summary

Specifies write access to a file or directory. Write access includes deleting and overwriting files or directories.