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.