

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 00 04 00 00 00 00 00 00]
- *Version:* 1.0.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.

1 FileIOPermissionAccess.Append Field

```
2 [ILASM]  
3 .field public static literal valuetype  
4 System.Security.Permissions.FileIOPermissionAccess Append =  
5 0x4  
  
6 [C#]  
7 Append = 0x4
```

8 Summary

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

11

1 FileIOPermissionAccess.NoAccess Field

```
2 [ILASM]  
3 .field public static literal valuetype  
4 System.Security.Permissions.FileIOPermissionAccess NoAccess  
5 = 0x0  
  
6 [C#]  
7 NoAccess = 0x0
```

8 Summary

9 Specifies no access to a file or directory.

10

1 FileIOPermissionAccess.PathDiscovery

2 Field

```
3 [ILASM]  
4 .field public static literal valuetype  
5 System.Security.Permissions.FileIOPermissionAccess  
6 PathDiscovery = 0x8  
  
7 [C#]  
8 PathDiscovery = 0x8
```

9 Summary

10 Specifies access to the path information for a file or directory.
11 **System.Security.Permissions.FileIOPermissionAccess.PathDisc**
12 **overy** does not include access to the contents of a file or directory.
13
14 [Note: This permission is used to protect sensitive information in the
15 path, such as user names, as well as information about the directory
16 structure revealed in the path.]
17

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.

1 FileIOPermissionAccess.Write Field

```
2 [ILASM]  
3 .field public static literal valuetype  
4 System.Security.Permissions.FileIOPermissionAccess Write =  
5 0x2  
  
6 [C#]  
7 Write = 0x2
```

8 Summary

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

11