

# System.IO.FileShare Enum

```
[ILAsm]
.class public sealed serializable FileShare extends System.Enum

[C#]
public enum FileShare
```

## 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

Specifies the level of access permitted for a file that is already in use.

## Inherits From: System.Enum

**Library:** BCL

## Description

This enumeration is used to specify the way in which multiple threads access the same file. The level of access is set by the first thread that requests access to the file. For example, if a thread opens a file and specifies `FileShare.Read`, other threads are permitted to open the file for reading but not for writing.

# 1    **FileShare.None Field**

```
2    [ILAsm]  
3    .field public static literal valuetype System.IO.FileShare None = 0x0  
  
4    [C#]  
5    None = 0x0
```

## 6    **Summary**

7       Specifies that the file cannot be accessed by additional threads.

8

# FileShare.Read Field

```
[ILAsm]  
.field public static literal valuetype System.IO.FileShare Read = 0x1  
  
[C#]  
Read = 0x1
```

## Summary

Specifies that additional threads can share read access to the file. This value does not determine whether such access is granted, however.

## 1    **FileShare.ReadWrite Field**

```
2    [ILAsm]  
3    .field public static literal valuetype System.IO.FileShare ReadWrite =  
4    Read | Write  
  
5    [C#]  
6    ReadWrite = Read | Write
```

## 7    **Summary**

8       Specifies that additional threads can share read and/or write access to the file. This  
9       value does not determine whether such access is granted, however.

# 1 FileShare.Write Field

```
2 [ILAsm]  
3 .field public static literal valuetype System.IO.FileShare Write = 0x2  
  
4 [C#]  
5 Write = 0x2
```

## 6 Summary

7 Specifies that additional threads can share write access to the file. This value does not  
8 determine whether such access is granted, however.