WIN32_FILE_ATTRIBUTE_DATA structure

Contains attribute information for a file or directory. The **GetFileAttributesEx** function uses this structure.

Syntax

```cpp
typedef struct _WIN32_FILE_ATTRIBUTE_DATA {
  DWORD    dwFileAttributes;
  FILETIME ftCreationTime;
  FILETIME ftLastAccessTime;
  FILETIME ftLastWriteTime;
  DWORD    nFileSizeHigh;
  DWORD    nFileSizeLow;
} WIN32_FILE_ATTRIBUTE_DATA, *LPWIN32_FILE_ATTRIBUTE_DATA;
```

Members

dwFileAttributes

   The file system attribute information for a file or directory.

   For possible values and their descriptions, see **File Attribute Constants**.

ftCreationTime

   A **FILETIME** structure that specifies when the file or directory is created.

   If the underlying file system does not support creation time, this member is zero.

ftLastAccessTime

   A **FILETIME** structure.

   For a file, the structure specifies when the file is last read from or written to.

   For a directory, the structure specifies when the directory is created.

   For both files and directories, the specified date is correct, but the time of day is always set to midnight. If the underlying file system does not support last access time, this member is zero.

ftLastWriteTime

   A **FILETIME** structure.

For a file, the structure specifies when the file is last written to.

For a directory, the structure specifies when the directory is created.

If the underlying file system does not support last write time, this member is zero.

nFileSizeHigh

The high-order **DWORD** of the file size.

This member does not have a meaning for directories.

nFileSizeLow

The low-order **DWORD** of the file size.

This member does not have a meaning for directories.

Remarks

Not all file systems can record creation and last access time, and not all file systems record them in the same manner. For example, on the FAT file system, create time has a resolution of 10 milliseconds, write time has a resolution of 2 seconds, and access time has a resolution of 1 day. On the NTFS file system, access time has a resolution of 1 hour. For more information, see File Times.

Requirements

Minimum supported client	Windows XP [desktop apps only]
Minimum supported server	Windows Server 2003 [desktop apps only]
Header	WinBase.h (include Windows.h)

See also

File Attribute Constants
GetFileAttributesEx