

INTERNET_CACHE_ENTRY_INFO Structure

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Overview

This structure is used by the Microsoft Windows API and contains information about an entry in the Internet cache.

```
typedef struct _INTERNET_CACHE_ENTRY_INFO {
    DWORD dwStructSize;
    LPTSTR lpszSourceUrlName;
    LPTSTR lpszLocalFileName;
    DWORD CacheEntryType;
    DWORD dwUseCount;
    DWORD dwHitRate;
    DWORD dwSizeLow;
    DWORD dwSizeHigh;
    FILETIME LastModifiedTime;
    FILETIME ExpireTime;
    FILETIME LastAccessTime;
    FILETIME LastSyncTime;
    LPBYTE lpHeaderInfo;
    DWORD dwHeaderInfoSize;
    LPTSTR lpszFileExtension;
    union {
        DWORD dwReserved;
        DWORD dwExemptDelta;
    };
} INTERNET_CACHE_ENTRY_INFO, *LPINTERNET_CACHE_ENTRY_INFO;
```

Explanation of Members

dwStructSize

Size of this structure, in bytes. This value can be used to help determine the version of the cache system.

lpszSourceUrlName

Pointer to a null-terminated string that contains the URL name. The string occupies the memory area at the end of this structure.

lpszLocalFileName

Pointer to a null-terminated string that contains the local file name. The string occupies the memory area at the end of this structure.

CacheEntryType

A bitmask indicating the type of cache entry and its properties. The cache entry types include: history entries (URLHISTORY_CACHE_ENTRY), cookie entries (COOKIE_CACHE_ENTRY), and normal cached content (NORMAL_CACHE_ENTRY). This member can be zero or more of the following property flags, and cache type flags listed below.

Value	Meaning
EDITED_CACHE_ENTRY	Cache entry file that has been edited externally. This cache entry type is exempt from scavenging.
SPARSE_CACHE_ENTRY	Partial response cache entry.
STICKY_CACHE_ENTRY	Sticky cache entry that is exempt from scavenging for the amount of time specified by dwExemptDelta. The default value set by CommitUrlCacheEntryA and CommitUrlCacheEntryW is one day.
TRACK_OFFLINE_CACHE_ENTRY	Not currently implemented.
TRACK_ONLINE_CACHE_ENTRY	Not currently implemented.

The following list contains the cache type flags.

Value	Meaning
COOKIE_CACHE_ENTRY	Cookie cache entry.
NORMAL_CACHE_ENTRY	Normal cache entry; can be deleted to recover space for new entries.
URLHISTORY_CACHE_ENTRY	Visited link cache entry.

dwUseCount

Current user count of the cache entry.

dwHitRate

Number of times the cache entry was retrieved.

dwSizeLow

Low-order portion of the file size.

dwSizeHigh

High-order portion of the file size.

LastModifiedTime

FILETIME structure that contains the last modified time of this URL, in Greenwich mean time format.

ExpireTime

FILETIME structure that contains the expiration time of this file, in Greenwich mean time format.

LastAccessTime

FILETIME structure that contains the last accessed time, in Greenwich mean time format.

LastSyncTime

FILETIME structure that contains the last time the cache was synchronized.

lpHeaderInfo

Pointer to a buffer that contains the header information. The buffer occupies the memory at the end of this structure.

dwHeaderInfoSize

Size of the lpHeaderInfo buffer.

lpzFileExtension

Pointer to a string that contains the file name extension used to retrieve the data as a file. The string occupies the memory area at the end of this structure.

dwReserved Reserved.

Must be zero.

dwExemptDelta

Exemption time from the last accessed time, in seconds.

References

- [http://msdn.microsoft.com/en-us/library/aa385134\(VS.85\).aspx](http://msdn.microsoft.com/en-us/library/aa385134(VS.85).aspx)