

# 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)