

NAME

CURLOPT_ALTSVC – alt-svc cache filename

SYNOPSIS

```
#include <curl/curl.h>
```

```
CURLcode curl_easy_setopt(CURL *handle, CURLOPT_ALTSVC, char *filename);
```

DESCRIPTION

Pass in a pointer to a *filename* to instruct libcurl to use that file as the Alt-Svc cache to read existing cache contents from and possibly also write it back to after a transfer, unless **CURLALTSVC_READONLY-FILE** is set in *CURLOPT_ALTSVC_CTRL*(3).

Specify a blank filename ("") to make libcurl not load from a file at all.

The application does not have to keep the string around after setting this option.

Using this option multiple times makes the last set string override the previous ones. Set it to NULL to disable its use again.

SECURITY CONCERNS

libcurl cannot fully protect against attacks where an attacker has write access to the same directory where it is directed to save files. This is particularly sensitive if you save files using elevated privileges.

libcurl creates the file to store the alt-svc cache in using default file permissions, meaning that on *nix systems you may need to restrict your umask to prevent other users on the same system to access the file.

DEFAULT

NULL. The alt-svc cache is not read nor written to file.

PROTOCOLS

This functionality affects http only

EXAMPLE

```
int main(void)
{
    CURL *curl = curl_easy_init();
    if(curl) {
        CURLcode result;
        curl_easy_setopt(curl, CURLOPT_ALTSVC_CTRL, CURLALTSVC_H1);
        curl_easy_setopt(curl, CURLOPT_ALTSVC, "altsvc-cache.txt");
        result = curl_easy_perform(curl);
        curl_easy_cleanup(curl);
    }
}
```

HISTORY

CURLALTSVC_* macros became *long* types in 8.16.0, prior to this version a *long* cast was necessary when passed to *curl_easy_setopt*(3).

FILE FORMAT

A text based file with one line per alt-svc entry and each line consists of nine space-separated fields.

An example line could look like

```
h2 www.example.com 8443 h3 second.example.com 443 "20190808 06:18:37" 1 0
```

The fields of that line are:

h2 ALPN id for the source origin
www.example.com
Hostname for the source origin
8443 Port number for the source origin
h3 ALPN id for the destination host
second.example.com
Hostname for the destination host
443 Port number for the destination host
2019* Expiration date and time of this entry within double quotes. The date format is "YYYYMMDD
HH:MM:SS" and the time zone is GMT.
1 Boolean (1 or 0) if "persist" was set for this entry
0 Integer priority value (not currently used)

AVAILABILITY

Added in curl 7.64.1

RETURN VALUE

curl_easy_setopt(3) returns a CURLcode indicating success or error.

CURLE_OK (0) means everything was OK, non-zero means an error occurred, see *libcurl-errors(3)*.

SEE ALSO

**CURLOPT_ALTSVC_CTRL(3), CURLOPT_CONNECT_TO(3), CURLOPT_COOKIEFILE(3),
CURLOPT_RESOLVE(3)**