

NAME

CURLOPT_CERTINFO – request SSL certificate information

SYNOPSIS

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

```
CURLcode curl_easy_setopt(CURL *handle, CURLOPT_CERTINFO, long certinfo);
```

DESCRIPTION

Pass a long set to 1 to enable libcurl's certificate chain info gatherer. With this enabled, libcurl extracts lots of information and data about the certificates in the certificate chain used in the SSL connection. This data may then be retrieved after a transfer using *curl_easy_getinfo(3)* and its option *CURLINFO_CERTINFO(3)*.

DEFAULT

0

PROTOCOLS

This functionality affects all TLS based protocols: HTTPS, FTPS, IMAPS, POP3S, SMTPS etc.

This option works only with the following TLS backends: GnuTLS, OpenSSL, Rustls and Schannel

EXAMPLE

```
int main(void)
{
    CURL *curl = curl_easy_init();
    if(curl) {
        CURLcode result;
        curl_easy_setopt(curl, CURLOPT_URL, "https://www.example.com/");

        /* connect to any HTTPS site, trusted or not */
        curl_easy_setopt(curl, CURLOPT_SSL_VERIFYPEER, 0L);
        curl_easy_setopt(curl, CURLOPT_SSL_VERIFYHOST, 0L);

        curl_easy_setopt(curl, CURLOPT_CERTINFO, 1L);

        result = curl_easy_perform(curl);

        if(result == CURLE_OK) {
            struct curl_certinfo *ci;
            result = curl_easy_getinfo(curl, CURLINFO_CERTINFO, &ci);

            if(result == CURLE_OK) {
                int i;
                printf("%d certs!\n", ci->num_of_certs);

                for(i = 0; i < ci->num_of_certs; i++) {
                    struct curl_slist *slist;

                    for(slist = ci->certinfo[i]; slist; slist = slist->next)
                        printf("%s\n", slist->data);
                }
            }
        }
        curl_easy_cleanup(curl);
    }
}
```

HISTORY

Schannel support added in 7.50.0. mbedTLS support added in 8.9.0.

AVAILABILITY

Added in curl 7.19.1

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

CURLINFO_CAINFO(3), CURLINFO_CAPATH(3), CURLINFO_CERTINFO(3), CUR-
LOPT_CAINFO(3), CURLOPT_SSL_VERIFYPEER(3)