

NAME

CURLOPT_PROXY_CAINFO – path to proxy Certificate Authority (CA) bundle

SYNOPSIS

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

```
CURLcode curl_easy_setopt(CURL *handle, CURLOPT_PROXY_CAINFO, char *path);
```

DESCRIPTION

This option is for connecting to an HTTPS proxy, not an HTTPS server.

Pass a char pointer to a null-terminated string naming a file holding one or more certificates to verify the HTTPS proxy with.

If *CURLOPT_PROXY_SSL_VERIFYPEER(3)* is zero and you avoid verifying the server's certificate, *CURLOPT_PROXY_CAINFO(3)* need not even indicate an accessible file.

This option is by default set to the system path where libcurl's CA certificate bundle is assumed to be stored, as established at build time.

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 and switches back to internal default.

The default value for this can be figured out with *CURLINFO_CAINFO(3)*.

DEFAULT

Built-in system specific

PROTOCOLS

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

All TLS backends support this option.

EXAMPLE

```
int main(void)
{
    CURL *curl = curl_easy_init();
    if(curl) {
        CURLcode result;
        curl_easy_setopt(curl, CURLOPT_URL, "https://example.com/");
        /* using an HTTPS proxy */
        curl_easy_setopt(curl, CURLOPT_PROXY, "https://proxy.example:443");
        curl_easy_setopt(curl, CURLOPT_PROXY_CAINFO, "/etc/certs/cabundle.pem");
        result = curl_easy_perform(curl);
        curl_easy_cleanup(curl);
    }
}
```

NOTES

For TLS backends that do not support certificate files, the *CURLOPT_PROXY_CAINFO(3)* option is ignored. Refer to <https://curl.se/docs/ssl-compared.html>

AVAILABILITY

Added in curl 7.52.0

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_CAINFO(3), CURLOPT_CAINFO_BLOB(3), CURLOPT_CAPATH(3), CUR-
LOPT_PROXY_CAINFO_BLOB(3), CURLOPT_PROXY_CAPATH(3), CUR-
LOPT_PROXY_SSL_VERIFYHOST(3), CURLOPT_PROXY_SSL_VERIFYPEER(3), CUR-
LOPT_SSL_VERIFYHOST(3), CURLOPT_SSL_VERIFYPEER(3)**