

NAME

CURLOPT_PROXYTYPE – proxy protocol type

SYNOPSIS

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

```
CURLcode curl_easy_setopt(CURL *handle, CURLOPT_PROXYTYPE, long type);
```

DESCRIPTION

Pass one of the values below to set the type of the proxy.

CURLPROXY_HTTP

HTTP Proxy. Default.

CURLPROXY_HTTPS

HTTPS Proxy using HTTP/1. (Added in 7.52.0 for OpenSSL and GnuTLS. Since 7.87.0, it also works for mbedTLS, Rustls, Schannel and wolfSSL.)

CURLPROXY_HTTPS2

HTTPS Proxy and attempt to speak HTTP/2 over it. (Added in 8.1.0)

CURLPROXY_HTTP_1_0

HTTP 1.0 Proxy. This is similar to CURLPROXY_HTTP except it uses HTTP/1.0 for any CONNECT tunneling. It does not change the HTTP version of the actual HTTP requests, controlled by *CURLOPT_HTTP_VERSION(3)*.

CURLPROXY SOCKS4

SOCKS4 Proxy.

CURLPROXY SOCKS4A

SOCKS4a Proxy. Proxy resolves URL hostname.

CURLPROXY SOCKS5

SOCKS5 Proxy.

CURLPROXY SOCKS5_HOSTNAME

SOCKS5 Proxy. Proxy resolves URL hostname.

Often it is more convenient to specify the proxy type with the scheme part of the *CURLOPT_PROXY(3)* string.

DEFAULT

CURLPROXY_HTTP

PROTOCOLS

This functionality affects all supported protocols

EXAMPLE

```
int main(void)
{
    CURL *curl = curl_easy_init();
    if(curl) {
        CURLcode result;
        curl_easy_setopt(curl, CURLOPT_URL, "https://example.com/");
        curl_easy_setopt(curl, CURLOPT_PROXY, "local.example.com:1080");
        /* set the proxy type */
        curl_easy_setopt(curl, CURLOPT_PROXYTYPE, CURLPROXY SOCKS5);
        result = curl_easy_perform(curl);
        curl_easy_cleanup(curl);
    }
}
```

HISTORY

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

AVAILABILITY

Added in curl 7.10

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_PROXY(3), **CURLOPT_PROXYPORT(3)**