NAME

CURLOPT_UNIX_SOCKET_PATH − set Unix domain socket

SYNOPSIS

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

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

DESCRIPTION

Enables the use of Unix domain sockets as connection endpoint and sets the path to *path*. If *path* is NULL, then Unix domain sockets are disabled. An empty string will result in an error at some point, it will not disable use of Unix domain sockets.

When enabled, cURL will connect to the Unix domain socket instead of establishing a TCP connection to a host. Since no TCP connection is created, cURL does not need to resolve the DNS hostname in the URL.

The maximum path length on Cygwin, Linux and Solaris is 107. On other platforms it might be even less.

Proxy and TCP options such as **CURLOPT_TCP_NODELAY**(3) are not supported. Proxy options such as **CURLOPT_PROXY**(3) have no effect either as these are TCP-oriented, and asking a proxy server to connect to a certain Unix domain socket is not possible.

DEFAULT

Default is NULL, meaning that no Unix domain sockets are used.

PROTOCOLS

All protocols except for file:// and FTP are supported in theory. HTTP, IMAP, POP3 and SMTP should in particular work (including their SSL/TLS variants).

EXAMPLE

Given that you have an nginx server running, listening on /tmp/nginx.sock, you can request a HTTP resource with:

```
curl_easy_setopt(curl_handle, CURLOPT_UNIX_SOCKET_PATH, "/tmp/nginx.sock");
curl_easy_setopt(curl_handle, CURLOPT_URL, "http://localhost/");
```

If you are on Linux and somehow have a need for paths larger than 107 bytes, you could use the proc filesystem to bypass the limitation:

```
int dirfd = open(long_directory_path_to_socket, O_DIRECTORY | O_RDONLY);
char path[108];
snprintf(path, sizeof(path), "/proc/self/fd/%d/nginx.sock", dirfd);
curl_easy_setopt(curl_handle, CURLOPT_UNIX_SOCKET_PATH, path);
/* Be sure to keep dirfd valid until you discard the handle */
```

AVAILABILITY

Since 7.40.0.

RETURN VALUE

Returns CURLE_OK if the option is supported, and CURLE_UNKNOWN_OPTION if not.

SEE ALSO

CURLOPT_OPENSOCKETFUNCTION(3), **unix**(7),