

NAME

curl_share_setopt - Set options for a shared object

SYNOPSIS

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

```
CURLSHcode curl_share_setopt(CURLSH *share, CURLSHoption option, parameter);
```

DESCRIPTION

Set the *option* to *parameter* for the given *share*.

OPTIONS**CURLSHOPT_LOCKFUNC**

The *parameter* must be a pointer to a function matching the following prototype:

```
void lock_function(CURL *handle, curl_lock_data data, curl_lock_access access, void *userptr);
```

data defines what data libcurl wants to lock, and you must make sure that only one lock is given at any time for each kind of data.

access defines what access type libcurl wants, shared or single.

userptr is the pointer you set with *CURLSHOPT_USERDATA*.

CURLSHOPT_UNLOCKFUNC

The *parameter* must be a pointer to a function matching the following prototype:

```
void unlock_function(CURL *handle, curl_lock_data data, void *userptr);
```

data defines what data libcurl wants to unlock, and you must make sure that only one lock is given at any time for each kind of data.

userptr is the pointer you set with *CURLSHOPT_USERDATA*.

CURLSHOPT_SHARE

The *parameter* specifies a type of data that should be shared. This may be set to one of the values described below.

CURL_LOCK_DATA_COOKIE

Cookie data will be shared across the easy handles using this shared object.

CURL_LOCK_DATA_DNS

Cached DNS hosts will be shared across the easy handles using this shared object. Note that when you use the multi interface, all easy handles added to the same multi handle will share DNS cache by default without this having to be used!

CURL_LOCK_DATA_SSL_SESSION

SSL session IDs will be shared across the easy handles using this shared object. This will reduce the time spent in the SSL handshake when reconnecting to the same server. Note SSL session IDs are reused within the same easy handle by default.

CURLSHOPT_UNSHARE

This option does the opposite of *CURLSHOPT_SHARE*. It specifies that the specified *parameter* will no longer be shared. Valid values are the same as those for *CURLSHOPT_SHARE*.

CURLSHOPT_USERDATA

The *parameter* allows you to specify a pointer to data that will be passed to the *lock_function* and *unlock_function* each time it is called.

RETURN VALUE

CURLSHE_OK (zero) means that the option was set properly, non-zero means an error occurred as `<curl/curl.h>` defines. See the *libcurl-errors.3* man page for the full list with descriptions.

SEE ALSO

`curl_share_cleanup(3)`, `curl_share_init(3)`