

NAME

curl_easy_ssls_import – import SSL sessions

SYNOPSIS

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

```
CURLcode curl_easy_ssls_import(CURL *handle,
                               const char *session_key,
                               const unsigned char *shmac, size_t shmac_len,
                               const unsigned char *sdata, size_t sdata_len);
```

DESCRIPTION

This function imports a previously exported SSL session ticket. **sdata** and **sdata_len** must always be provided. If **session_key** is **NULL**, then **shmac** and **shmac_len** must be given as received during the export. See *curl_easy_ssls_export(3)* for a description of those.

Import of session tickets from other curl versions may fail due to changes in the handling of **shmac** or **sdata**. A session ticket which has already expired is silently discarded.

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, mbedTLS and wolfSSL

EXAMPLE

```
int main(void)
{
    CURLSHcode sh;
    CURLSH *share = curl_share_init();
    CURLcode result;
    CURL *curl;

    sh = curl_share_setopt(share, CURLSHOPT_SHARE, CURL_LOCK_DATA_SSL_SESSION);
    if(sh)
        printf("Error: %s\n", curl_share_strerror(sh));

    curl = curl_easy_init();
    if(curl) {
        extern unsigned char *shmac, *sdata;
        size_t hlen = 4, slen = 5;

        curl_easy_setopt(curl, CURLOPT_SHARE, share);

        /* read shmac and sdata from storage */
        result = curl_easy_ssls_import(curl, NULL, shmac, hlen, sdata, slen);

        /* always cleanup */
        curl_easy_cleanup(curl);
    }
    curl_share_cleanup(share);
}
```

AVAILABILITY

Added in curl 8.12.0

RETURN VALUE

This function returns a **CURLcode** indicating success or error.

CURLE_OK (0) means everything was OK, non-zero means an error occurred, see *libcurl-errors(3)*. If *CURLOPT_ERRORBUFFER(3)* was set with *curl_easy_setopt(3)* there can be an error message stored in the error buffer when non-zero is returned.

SEE ALSO

CURLOPT_SHARE(3), **curl_easy_ssls_export(3)**, **curl_share_setopt(3)**