

NAME

CURLOPT_PROXY_SSLKEY_BLOB – private key for proxy cert from memory blob

SYNOPSIS

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

```
CURLcode curl_easy_setopt(CURL *handle, CURLOPT_PROXY_SSLKEY_BLOB,  
                          struct curl_blob *blob);
```

DESCRIPTION

Pass a pointer to a curl_blob structure that contains information (pointer and size) about the private key for connecting to the HTTPS proxy. Compatible with OpenSSL. The format (like "PEM") must be specified with CURLOPT_PROXY_SSLKEYTYPE(3).

If the blob is initialized with the flags member of struct curl_blob set to CURL_BLOB_COPY, the application does not have to keep the buffer around after setting this.

DEFAULT

NULL

PROTOCOLS

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

This option works only with the following TLS backends: OpenSSL

EXAMPLE

```
extern char *certificateData; /* point to data */  
extern size_t filesize; /* size of data */  
  
extern char *privateKeyData; /* point to data */  
extern size_t privateKeySize; /* size */  
  
int main(void)  
{  
    CURL *curl = curl_easy_init();  
    if(curl) {  
        CURLcode result;  
        struct curl_blob blob;  
        curl_easy_setopt(curl, CURLOPT_URL, "https://example.com/");  
        curl_easy_setopt(curl, CURLOPT_PROXY, "https://proxy.example");  
        blob.data = certificateData;  
        blob.len = filesize;  
        blob.flags = CURL_BLOB_COPY;  
        curl_easy_setopt(curl, CURLOPT_PROXY_SSLCERT_BLOB, &blob);  
        curl_easy_setopt(curl, CURLOPT_PROXY_SSLCERTTYPE, "PEM");  
  
        blob.data = privateKeyData;  
        blob.len = privateKeySize;  
        curl_easy_setopt(curl, CURLOPT_PROXY_SSLKEY_BLOB, &blob);  
        curl_easy_setopt(curl, CURLOPT_PROXY_KEYPASSWD, "s3cret");  
        result = curl_easy_perform(curl);  
        curl_easy_cleanup(curl);  
    }  
}
```

AVAILABILITY

Added in curl 7.71.0

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_SSLKEY(3), CURLOPT_SSLKEYTYPE(3), CURLOPT_SSLKEY_BLOB(3)