



```

/* get a BIO */
bio=BIO_new_mem_buf(mypem, -1);
/* use it to read the PEM formatted certificate from memory into an X509
 * structure that SSL can use
 */
PEM_read_bio_X509(bio, &cert, 0, NULL);
if(cert == NULL)
    printf("PEM_read_bio_X509 failed...0);

/* get a pointer to the X509 certificate store (which may be empty!) */
store=SSL_CTX_get_cert_store((SSL_CTX *)sslctx);

/* add our certificate to this store */
if(X509_STORE_add_cert(store, cert)==0)
    printf("error adding certificate0);

/* decrease reference counts */
X509_free(cert);
BIO_free(bio);

/* all set to go */
return CURLE_OK;
}

int main(void)
{
    CURL * ch;
    CURLcode rv;

    rv=curl_global_init(CURL_GLOBAL_ALL);
    ch=curl_easy_init();
    rv=curl_easy_setopt(ch, CURLOPT_SSLCERTTYPE, "PEM");
    rv=curl_easy_setopt(ch, CURLOPT_SSL_VERIFYPEER, 1L);
    rv=curl_easy_setopt(ch, CURLOPT_URL, "https://www.example.com/");

    /* Retrieve page using cacerts' certificate -> will succeed
     * load the certificate by installing a function doing the necessary
     * "modifications" to the SSL CONTEXT just before link init
     */
    rv=curl_easy_setopt(ch, CURLOPT_SSL_CTX_FUNCTION, *sslctx_function);
    rv=curl_easy_perform(ch);
    if(rv==CURLE_OK)
        printf("*** transfer succeeded ***0);
    else
        printf("*** transfer failed ***0);

    curl_easy_cleanup(ch);
    curl_global_cleanup();
    return rv;
}

```

**AVAILABILITY**

Added in 7.11.0 for OpenSSL. Added in 7.42.0 for wolfSSL/CyaSSL. Other SSL backends not supported.

CURLOPT\_SSL\_CTX\_FUNCTION(3)      curl\_easy\_setopt options      CURLOPT\_SSL\_CTX\_FUNCTION(3)

**RETURN VALUE**

Returns CURLE\_OK if the option is supported, and CURLE\_UNKNOWN\_OPTION if not.

**SEE ALSO**

**CURLOPT\_SSL\_CTX\_DATA(3), CURLOPT\_SSL\_VERIFYPEER(3),**