

NAME

CURLINFO_SSL_ENGINES – an slist of OpenSSL crypto-engines

SYNOPSIS

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

```
CURLcode curl_easy_getinfo(CURL *handle, CURLINFO_SSL_ENGINES,  
                           struct curl_slist **engine_list);
```

DESCRIPTION

Pass the address of a 'struct curl_slist *' to receive a linked-list of OpenSSL crypto-engines supported. Note that engines are normally implemented in separate dynamic libraries. Hence not all the returned engines may be available at runtime. **NOTE:** you must call *curl_slist_free_all(3)* on the list pointer once you are done with it, as libcurl does not free this data for you.

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

```
int main(void)  
{  
    CURL *curl = curl_easy_init();  
    if(curl) {  
        CURLcode result;  
        struct curl_slist *engines;  
        result = curl_easy_getinfo(curl, CURLINFO_SSL_ENGINES, &engines);  
        if((result == CURLE_OK) && engines) {  
            /* we have a list, free it when done using it */  
            curl_slist_free_all(engines);  
        }  
  
        curl_easy_cleanup(curl);  
    }  
}
```

AVAILABILITY

Added in curl 7.12.3

RETURN VALUE

curl_easy_getinfo(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_SSLENGINE(3), **curl_easy_getinfo(3)**, **curl_easy_setopt(3)**