

**NAME**

CURLINFO\_PRETRANSFER\_TIME – time to transfer start

**SYNOPSIS**

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

```
CURLcode curl_easy_getinfo(CURL *handle, CURLINFO_PRETRANSFER_TIME,  
                           double *timep);
```

**DESCRIPTION**

Pass a pointer to a double to receive the time, in seconds, it took from the start until the file transfer is about to begin.

This time-stamp includes all pre-transfer commands and negotiations that are specific to the particular protocol(s) involved. It includes the sending of the protocol-specific instructions that trigger a transfer.

When a redirect is followed, the time from each request is added together.

See also the TIMES overview in the *curl\_easy\_getinfo(3)* man page.

**PROTOCOLS**

This functionality affects all supported protocols

**EXAMPLE**

```
int main(void)  
{  
    CURL *curl = curl_easy_init();  
    if(curl) {  
        CURLcode result;  
        double pretransfer;  
        curl_easy_setopt(curl, CURLOPT_URL, "https://example.com");  
        result = curl_easy_perform(curl);  
        if(result == CURLE_OK) {  
            result = curl_easy_getinfo(curl, CURLINFO_PRETRANSFER_TIME,  
                                      &pretransfer);  
            if(result == CURLE_OK) {  
                printf("Time: %.1f", pretransfer);  
            }  
        }  
        /* always cleanup */  
        curl_easy_cleanup(curl);  
    }  
}
```

**AVAILABILITY**

Added in curl 7.4.1

**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**

**CURLINFO\_CONNECT\_TIME\_T(3)**, **CURLINFO\_PRETRANSFER\_TIME\_T(3)**, **curl\_easy\_getinfo(3)**, **curl\_easy\_setopt(3)**