

NAME

CURLINFO_PRETRANSFER_TIME_T – time to transfer start

SYNOPSIS

#include <curl/curl.h>

```
CURLcode curl_easy_getinfo(CURL *handle, CURLINFO_PRETRANSFER_TIME_T,
                           curl_off_t *timep);
```

DESCRIPTION

Pass a pointer to a `curl_off_t` to receive the time, in microseconds, 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;
        curl_off_t 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_T,
                                       &pretransfer);
            if(result == CURLE_OK) {
                printf("Time: %" CURL_FORMAT_CURL_OFF_T ".%06ld\n",
                       pretransfer / 1000000,
                       (long)(pretransfer % 1000000));
            }
        }
        /* always cleanup */
        curl_easy_cleanup(curl);
    }
}
```

AVAILABILITY

Added in curl 7.61.0

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(3), CURLINFO_PRETRANSFER_TIME_T(3), curl_easy_getinfo(3), curl_easy_setopt(3)