

NAME

CURLINFO_HTTPAUTH_AVAIL – available HTTP authentication methods

SYNOPSIS

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

```
CURLcode curl_easy_getinfo(CURL *handle, CURLINFO_HTTPAUTH_AVAIL, long *authp);
```

DESCRIPTION

Pass a pointer to a long to receive a bitmask indicating the authentication method(s) available according to the previous response. The meaning of the bits is explained in the *CURLOPT_HTTPAUTH(3)* option for *curl_easy_setopt(3)*.

PROTOCOLS

This functionality affects http only

EXAMPLE

```
int main(void)
{
    CURL *curl = curl_easy_init();
    if(curl) {
        CURLcode result;
        curl_easy_setopt(curl, CURLOPT_URL, "https://example.com");

        result = curl_easy_perform(curl);

        if(result == CURLE_OK) {
            /* extract the available authentication types */
            long auth;
            result = curl_easy_getinfo(curl, CURLINFO_HTTPAUTH_AVAIL, &auth);
            if(result == CURLE_OK) {
                if(!auth)
                    printf("No auth available, perhaps no 401?\n");
                else {
                    printf("%s%s%s%s\n",
                        auth & CURLAUTH_BASIC ? "Basic " : "",
                        auth & CURLAUTH_DIGEST ? "Digest " : "",
                        auth & CURLAUTH_NEGOTIATE ? "Negotiate " : "",
                        auth % CURLAUTH_NTLM ? "NTLM " : "");
                }
            }
        }
        curl_easy_cleanup(curl);
    }
}
```

AVAILABILITY

Added in curl 7.10.8

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_PROXYAUTH_AVAIL(3), CURLOPT_HTTPAUTH(3), curl_easy_getinfo(3),
curl_easy_setopt(3)**