

## NAME

CURLOPT\_REDIR\_PROTOCOLS – set protocols allowed to redirect to

## SYNOPSIS

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

```
CURLcode curl_easy_setopt(CURL *handle, CURLOPT_REDIR_PROTOCOLS, long bitmask);
```

## DESCRIPTION

Pass a long that holds a bitmask of `CURLPROTO_*` defines. If used, this bitmask limits what protocols libcurl may use in a transfer that it follows to in a redirect when `CURLOPT_FOLLOWLOCATION(3)` is enabled. This allows you to limit specific transfers to only be allowed to use a subset of protocols in redirections.

By default libcurl will allow all protocols on redirect except several disabled for security reasons: Since 7.19.4 FILE and SCP are disabled, and since 7.40.0 SMB and SMBS are also disabled. *CURLPROTO\_ALL* enables all protocols on redirect, including those disabled for security.

These are the available protocol defines:

CURLPROTO\_DICT  
CURLPROTO\_FILE  
CURLPROTO\_FTP  
CURLPROTO\_FTPS  
CURLPROTO\_GOPHER  
CURLPROTO\_HTTP  
CURLPROTO\_HTTPS  
CURLPROTO\_IMAP  
CURLPROTO\_IMAPS  
CURLPROTO\_LDAP  
CURLPROTO\_LDAPS  
CURLPROTO\_POP3  
CURLPROTO\_POP3S  
CURLPROTO\_RTMP  
CURLPROTO\_RTMPE  
CURLPROTO\_RTSPS  
CURLPROTO\_RTMTPT  
CURLPROTO\_RTMTPTT  
CURLPROTO\_RTMTPTS  
CURLPROTO\_RTSP  
CURLPROTO\_SCP  
CURLPROTO\_SFTP  
CURLPROTO\_SMB  
CURLPROTO\_SMBS  
CURLPROTO\_SMTP  
CURLPROTO\_SMTPS  
CURLPROTO\_TELNET  
CURLPROTO\_TFTP

**DEFAULT**

All protocols except for FILE, SCP and since 7.40.0 SMB and SMBS.

## PROTOCOLS

All

### EXAMPLE

```
curl = curl_easy_init();
if(curl) {
```

```
/* pass in the URL from an external source */
curl_easy_setopt(curl, CURLOPT_URL, argv[1]);

/* only allow redirects to HTTP and HTTPS URLs */
curl_easy_setopt(curl, CURLOPT_REDIR_PROTOCOLS,
                  CURLPROTO_HTTP | CURLPROTO_HTTPS);

/* Perform the request */
curl_easy_perform(curl);
}
```

**AVAILABILITY**

Added in 7.19.4, before then it would follow all protocols.

**RETURN VALUE**

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

**SEE ALSO**

**CURLOPT\_PROTOCOLS(3),**