NAME

curl_easy_setopt − set options for a curl easy handle

SYNOPSIS

#include <curl/curl.h>

CURLcode curl_easy_setopt(CURL *handle, CURLoption option, parameter);

DESCRIPTION

curl_easy_setopt(3) is used to tell libcurl how to behave. By setting the appropriate options, the application can change libcurl's behavior. All options are set with an *option* followed by a *parameter*. That parameter can be a **long**, a **function pointer**, an **object pointer** or a **curl_off_t**, depending on what the specific option expects. Read this manual carefully as bad input values may cause libcurl to behave badly! You can only set one option in each function call. A typical application uses many *curl_easy_setopt(3)* calls in the setup phase.

Options set with this function call are valid for all forthcoming transfers performed using this *handle*. The options are not in any way reset between transfers, so if you want subsequent transfers with different options, you must change them between the transfers. You can optionally reset all options back to internal default with *curl_easy_reset(3)*.

Strings passed to libcurl as 'char *' arguments, are copied by the library; thus the string storage associated to the pointer argument may be overwritten after *curl_easy_setopt(3)* returns. The only exception to this rule is really *CURLOPT_POSTFIELDS(3)*, but the alternative that copies the string *CURLOPT_COPY-POSTFIELDS(3)* has some usage characteristics you need to read up on.

Before version 7.17.0, strings were not copied. Instead the user was forced keep them available until libcurl no longer needed them.

The *handle* is the return code from a *curl_easy_init(3)* or *curl_easy_duphandle(3)* call.

BEHAVIOR OPTIONS

CURLOPT_VERBOSE

Display verbose information. See *CURLOPT_VERBOSE(3)*

CURLOPT_HEADER

Include the header in the body output. See *CURLOPT_HEADER(3)*

CURLOPT_NOPROGRESS

Shut off the progress meter. See *CURLOPT_NOPROGRESS(3)*

CURLOPT_NOSIGNAL

Do not install signal handlers. See *CURLOPT_NOSIGNAL(3)*

CURLOPT_WILDCARDMATCH

Transfer multiple files according to a file name pattern. See *CURLOPT_WILDCARDMATCH(3)*

CALLBACK OPTIONS

CURLOPT_WRITEFUNCTION

Callback for writing data. See *CURLOPT_WRITEFUNCTION(3)*

CURLOPT_WRITEDATA

Data pointer to pass to the write callback. See *CURLOPT_WRITEDATA(3)*

CURLOPT_READFUNCTION

Callback for reading data. See *CURLOPT_READFUNCTION(3)*

CURLOPT_READDATA

Data pointer to pass to the read callback. See *CURLOPT_READDATA(3)*

CURLOPT_IOCTLFUNCTION
        Callback for I/O operations. See *CURLOPT_IOCTLFUNCTION(3)*

CURLOPT_IOCTLDATA
        Data pointer to pass to the I/O callback. See *CURLOPT_IOCTLDATA(3)*

CURLOPT_SEEKFUNCTION
        Callback for seek operations. See *CURLOPT_SEEKFUNCTION(3)*

CURLOPT_SEEKDATA
        Data pointer to pass to the seek callback. See *CURLOPT_SEEKDATA(3)*

CURLOPT_SOCKOPTFUNCTION
        Callback for sockopt operations. See *CURLOPT_SOCKOPTFUNCTION(3)*

CURLOPT_SOCKOPTDATA
        Data pointer to pass to the sockopt callback. See *CURLOPT_SOCKOPTDATA(3)*

CURLOPT_OPENSOCKETFUNCTION
        Callback for socket creation. See *CURLOPT_OPENSOCKETFUNCTION(3)*

CURLOPT_OPENSOCKETDATA
        Data pointer to pass to the open socket callback. See *CURLOPT_OPENSOCKETDATA(3)*

CURLOPT_CLOSESOCKETFUNCTION
        Callback for closing socket. See *CURLOPT_CLOSESOCKETFUNCTION(3)*

CURLOPT_CLOSESOCKETDATA
        Data pointer to pass to the close socket callback. See *CURLOPT_CLOSESOCKETDATA(3)*

CURLOPT_PROGRESSFUNCTION
        OBSOLETE callback for progress meter. See *CURLOPT_PROGRESSFUNCTION(3)*

CURLOPT_PROGRESSDATA
        Data pointer to pass to the progress meter callback. See *CURLOPT_PROGRESSDATA(3)*

CURLOPT_XFERINFOFUNCTION
        Callback for progress meter. See *CURLOPT_XFERINFOFUNCTION(3)*

CURLOPT_XFERINFODATA
        Data pointer to pass to the progress meter callback. See *CURLOPT_XFERINFODATA(3)*

CURLOPT_HEADERFUNCTION
        Callback for writing received headers. See *CURLOPT_HEADERFUNCTION(3)*

CURLOPT_HEADERDATA
        Data pointer to pass to the header callback. See *CURLOPT_HEADERDATA(3)*

CURLOPT_DEBUGFUNCTION
        Callback for debug information. See *CURLOPT_DEBUGFUNCTION(3)*

CURLOPT_DEBUGDATA
        Data pointer to pass to the debug callback. See *CURLOPT_DEBUGDATA(3)*

CURLOPT_SSL_CTX_FUNCTION
        Callback for SSL context logic. See *CURLOPT_SSL_CTX_FUNCTION(3)*

CURLOPT_SSL_CTX_DATA
        Data pointer to pass to the SSL context callback. See *CURLOPT_SSL_CTX_DATA(3)*

CURLOPT_CONV_TO_NETWORK_FUNCTION
        Callback for code base conversion. See *CURLOPT_CONV_TO_NETWORK_FUNCTION(3)*

CURLOPT_CONV_FROM_NETWORK_FUNCTION
        Callback for code base conversion. See *CURLOPT_CONV_FROM_NETWORK_FUNCTION(3)*

CURLOPT_CONV_FROM_UTF8_FUNCTION
        Callback for code base conversion. See *CURLOPT_CONV_FROM_UTF8_FUNCTION(3)*

CURLOPT_INTERLEAVEFUNCTION
        Callback for RTSP interleaved data. See *CURLOPT_INTERLEAVEFUNCTION(3)*

CURLOPT_INTERLEAVEDATA
        Data pointer to pass to the RTSP interleave callback. See *CURLOPT_INTERLEAVEDATA(3)*

CURLOPT_CHUNK_BGN_FUNCTION
        Callback for wildcard download start of chunk. See *CURLOPT_CHUNK_BGN_FUNCTION(3)*

CURLOPT_CHUNK_END_FUNCTION
        Callback for wildcard download end of chunk. See *CURLOPT_CHUNK_END_FUNCTION(3)*

CURLOPT_CHUNK_DATA
        Data pointer to pass to the chunk callbacks. See *CURLOPT_CHUNK_DATA(3)*

CURLOPT_FNMATCH_FUNCTION
        Callback for wildcard matching. See *CURLOPT_FNMATCH_FUNCTION(3)*

CURLOPT_FNMATCH_DATA
        Data pointer to pass to the wildcard matching callback. See *CURLOPT_FNMATCH_DATA(3)*

ERROR OPTIONS
CURLOPT_ERRORBUFFER
        Error message buffer. See *CURLOPT_ERRORBUFFER(3)*

CURLOPT_STDERR
        stderr replacement stream. See *CURLOPT_STDERR(3)*

CURLOPT_FAILONERROR
        Fail on HTTP 4xx errors. *CURLOPT_FAILONERROR(3)*

NETWORK OPTIONS
CURLOPT_URL
        URL to work on. See *CURLOPT_URL(3)*

CURLOPT_PROTOCOLS
        Allowed protocols. See *CURLOPT_PROTOCOLS(3)*

CURLOPT_REDIR_PROTOCOLS
        Protocols to allow redirects to. See *CURLOPT_REDIR_PROTOCOLS(3)*

CURLOPT_PROXY
        Proxy to use. See *CURLOPT_PROXY(3)*

CURLOPT_PROXYPORT
        Proxy port to use. See *CURLOPT_PROXYPORT(3)*

CURLOPT_PROXYTYPE
        Proxy type. See *CURLOPT_PROXYTYPE(3)*

CURLOPT_NOPROXY
        Filter out hosts from proxy use. *CURLOPT_NOPROXY(3)*

CURLOPT_HTTPPROXYTUNNEL
        Tunnel through the HTTP proxy. *CURLOPT_HTTPPROXYTUNNEL(3)*

CURLOPT_SOCKS5_GSSAPI_SERVICE
        Socks5 GSSAPI service name. *CURLOPT_SOCKS5_GSSAPI_SERVICE(3)*

CURLOPT_SOCKS5_GSSAPI_NEC
        Socks5 GSSAPI NEC mode. See *CURLOPT_SOCKS5_GSSAPI_NEC(3)*

CURLOPT_INTERFACE
      Bind connection locally to this. See *CURLOPT_INTERFACE(3)*

CURLOPT_LOCALPORT
      Bind connection locally to this port. See *CURLOPT_LOCALPORT(3)*

CURLOPT_LOCALPORTRANGE
      Bind connection locally to port range. See *CURLOPT_LOCALPORTRANGE(3)*

CURLOPT_DNS_CACHE_TIMEOUT
      Timeout for DNS cache. See *CURLOPT_DNS_CACHE_TIMEOUT(3)*

CURLOPT_DNS_USE_GLOBAL_CACHE
      OBSOLETE Enable global DNS cache. See *CURLOPT_DNS_USE_GLOBAL_CACHE(3)*

CURLOPT_BUFFERSIZE
      Ask for smaller buffer size. See *CURLOPT_BUFFERSIZE(3)*

CURLOPT_PORT
      Port number to connect to. See *CURLOPT_PORT(3)*

CURLOPT_TCP_NODELAY
      Disable the Nagle algorithm. See *CURLOPT_TCP_NODELAY(3)*

CURLOPT_ADDRESS_SCOPE
      IPv6 scope for local addresses. See *CURLOPT_ADDRESS_SCOPE(3)*

CURLOPT_TCP_KEEPALIVE
      Enable TCP keep-alive. See *CURLOPT_TCP_KEEPALIVE(3)*

CURLOPT_TCP_KEEPIDLE
      Idle time before sending keep-alive. See *CURLOPT_TCP_KEEPIDLE(3)*

CURLOPT_TCP_KEEPINTVL
      Interval between keep-alive probes. See *CURLOPT_TCP_KEEPINTVL(3)*

CURLOPT_UNIX_SOCKET_PATH
      Path to a Unix domain socket. See *CURLOPT_UNIX_SOCKET_PATH(3)*

NAMES and PASSWORDS OPTIONS (Authentication)

CURLOPT_NETRC
      Enable .netrc parsing. See *CURLOPT_NETRC(3)*

CURLOPT_NETRC_FILE
      .netrc file name. See *CURLOPT_NETRC_FILE(3)*

CURLOPT_USERPWD
      User name and password. See *CURLOPT_USERPWD(3)*

CURLOPT_PROXYUSERPWD
      Proxy user name and password. See *CURLOPT_PROXYUSERPWD(3)*

CURLOPT_USERNAME
      User name. See *CURLOPT_USERNAME(3)*

CURLOPT_PASSWORD
      Password. See *CURLOPT_PASSWORD(3)*

CURLOPT_LOGIN_OPTIONS
      Login options. See *CURLOPT_LOGIN_OPTIONS(3)*

CURLOPT_PROXYUSERNAME
      Proxy user name. See *CURLOPT_PROXYUSERNAME(3)*

CURLOPT_PROXYPASSWORD
      Proxy password. See *CURLOPT_PROXYPASSWORD(3)*

CURLOPT_HTTPAUTH
    HTTP server authentication methods. See *CURLOPT_HTTPAUTH(3)*

CURLOPT_TLSAUTH_USERNAME
    TLS authentication user name. See *CURLOPT_TLSAUTH_USERNAME(3)*

CURLOPT_TLSAUTH_PASSWORD
    TLS authentication password. See *CURLOPT_TLSAUTH_PASSWORD(3)*

CURLOPT_PROXYAUTH
    HTTP proxy authentication methods. See *CURLOPT_PROXYAUTH(3)*

CURLOPT_SASL_IR
    Enable SASL initial response. See *CURLOPT_SASL_IR(3)*

CURLOPT_XOAUTH2_BEARER
    OAuth2 bearer token. See *CURLOPT_XOAUTH2_BEARER(3)*

HTTP OPTIONS

CURLOPT_AUTOREFERER
    Automatically set Referer: header. See *CURLOPT_AUTOREFERER(3)*

CURLOPT_ACCEPT_ENCODING
    Accept-Encoding and automatic decompressing data. See *CURLOPT_ACCEPT_ENCODING(3)*

CURLOPT_TRANSFER_ENCODING
    Request Transfer-Encoding. See *CURLOPT_TRANSFER_ENCODING(3)*

CURLOPT_FOLLOWLOCATION
    Follow HTTP redirects. See *CURLOPT_FOLLOWLOCATION(3)*

CURLOPT_UNRESTRICTED_AUTH
    Do not restrict authentication to original host. *CURLOPT_UNRESTRICTED_AUTH(3)*

CURLOPT_MAXREDIRS
    Maximum number of redirects to follow. See *CURLOPT_MAXREDIRS(3)*

CURLOPT_POSTREDIR
    How to act on redirects after POST. See *CURLOPT_POSTREDIR(3)*

CURLOPT_PUT
    Issue a HTTP PUT request. See *CURLOPT_PUT(3)*

CURLOPT_POST
    Issue a HTTP POST request. See *CURLOPT_POST(3)*

CURLOPT_POSTFIELDS
    Send a POST with this data. See *CURLOPT_POSTFIELDS(3)*

CURLOPT_POSTFIELDSIZE
    The POST data is this big. See *CURLOPT_POSTFIELDSIZE(3)*

CURLOPT_POSTFIELDSIZE_LARGE
    The POST data is this big. See *CURLOPT_POSTFIELDSIZE_LARGE(3)*

CURLOPT_COPYPOSTFIELDS
    Send a POST with this data - and copy it. See *CURLOPT_COPYPOSTFIELDS(3)*

CURLOPT_HTTPPOST
    Multipart formpost HTTP POST. See *CURLOPT_HTTPPOST(3)*

CURLOPT_REFERER
    Referer: header. See *CURLOPT_REFERER(3)*

CURLOPT_USERAGENT
    User-Agent: header. See *CURLOPT_USERAGENT(3)*

CURLOPT_HTTPHEADER
      Custom HTTP headers. See *CURLOPT_HTTPHEADER(3)*

CURLOPT_HEADEROPT
      Control custom headers. See *CURLOPT_HEADEROPT(3)*

CURLOPT_PROXYHEADER
      Custom HTTP headers sent to proxy. See *CURLOPT_PROXYHEADER(3)*

CURLOPT_HTTP200ALIASES
      Alternative versions of 200 OK. See *CURLOPT_HTTP200ALIASES(3)*

CURLOPT_COOKIE
      Cookie(s) to send. See *CURLOPT_COOKIE(3)*

CURLOPT_COOKIEFILE
      File to read cookies from. See *CURLOPT_COOKIEFILE(3)*

CURLOPT_COOKIEJAR
      File to write cookies to. See *CURLOPT_COOKIEJAR(3)*

CURLOPT_COOKIESESSION
      Start a new cookie session. See *CURLOPT_COOKIESESSION(3)*

CURLOPT_COOKIELIST
      Add or control cookies. See *CURLOPT_COOKIELIST(3)*

CURLOPT_HTTPGET
      Do a HTTP GET request. See *CURLOPT_HTTPGET(3)*

CURLOPT_HTTP_VERSION
      HTTP version to use. *CURLOPT_HTTP_VERSION(3)*

CURLOPT_IGNORE_CONTENT_LENGTH
      Ignore Content-Length. See *CURLOPT_IGNORE_CONTENT_LENGTH(3)*

CURLOPT_HTTP_CONTENT_DECODING
      Disable Content decoding. See *CURLOPT_HTTP_CONTENT_DECODING(3)*

CURLOPT_HTTP_TRANSFER_DECODING
      Disable Transfer decoding. See *CURLOPT_HTTP_TRANSFER_DECODING(3)*

CURLOPT_EXPECT_100_TIMEOUT_MS
      100-continue timeout. See *CURLOPT_EXPECT_100_TIMEOUT_MS(3)*

SMTP OPTIONS

CURLOPT_MAIL_FROM
      Address of the sender. See *CURLOPT_MAIL_FROM(3)*

CURLOPT_MAIL_RCPT
      Address of the recipients. See *CURLOPT_MAIL_RCPT(3)*

CURLOPT_MAIL_AUTH
      Authentication address. See *CURLOPT_MAIL_AUTH(3)*

TFTP OPTIONS

CURLOPT_TFTP_BLKSIZE
      TFTP block size. See *CURLOPT_TFTP_BLKSIZE(3)*

FTP OPTIONS

CURLOPT_FTPPORT
      Use active FTP. See *CURLOPT_FTPPORT(3)*

CURLOPT_QUOTE
      Commands to run before transfer. See *CURLOPT_QUOTE(3)*

CURLOPT_POSTQUOTE
Commands to run after transfer. See *CURLOPT_POSTQUOTE(3)*

CURLOPT_PREQUOTE
Commands to run just before transfer. See *CURLOPT_PREQUOTE(3)*

CURLOPT_APPEND
Append to remote file. See *CURLOPT_APPEND(3)*

CURLOPT_FTP_USE_EPRT
Use EPTR. See *CURLOPT_FTP_USE_EPRT(3)*

CURLOPT_FTP_USE_EPSV
Use EPSV. See *CURLOPT_FTP_USE_EPSV(3)*

CURLOPT_FTP_USE_PRET
Use PRET. See *CURLOPT_FTP_USE_PRET(3)*

CURLOPT_FTP_CREATE_MISSING_DIRS
Create missing directories on the remote server. See *CURLOPT_FTP_CREATE_MISS-ING_DIRS(3)*

CURLOPT_FTP_RESPONSE_TIMEOUT
Timeout for FTP responses. See *CURLOPT_FTP_RESPONSE_TIMEOUT(3)*

CURLOPT_FTP_ALTERNATIVE_TO_USER
Alternative to USER. See *CURLOPT_FTP_ALTERNATIVE_TO_USER(3)*

CURLOPT_FTP_SKIP_PASV_IP
Ignore the IP address in the PASV response. See *CURLOPT_FTP_SKIP_PASV_IP(3)*

CURLOPT_FTPSSLAUTH
Control how to do TLS. See *CURLOPT_FTPSSLAUTH(3)*

CURLOPT_FTP_SSL_CCC
Back to non-TLS again after authentication. See *CURLOPT_FTP_SSL_CCC(3)*

CURLOPT_FTP_ACCOUNT
Send ACCT command. See *CURLOPT_FTP_ACCOUNT(3)*

CURLOPT_FTP_FILEMETHOD
Specify how to reach files. See *CURLOPT_FTP_FILEMETHOD(3)*

RTSP OPTIONS

CURLOPT_RTSP_REQUEST
RTSP request. See *CURLOPT_RTSP_REQUEST(3)*

CURLOPT_RTSP_SESSION_ID
RTSP session-id. See *CURLOPT_RTSP_SESSION_ID(3)*

CURLOPT_RTSP_STREAM_URI
RTSP stream URI. See *CURLOPT_RTSP_STREAM_URI(3)*

CURLOPT_RTSP_TRANSPORT
RTSP Transport: header. See *CURLOPT_RTSP_TRANSPORT(3)*

CURLOPT_RTSP_CLIENT_CSEQ
Client CSEQ number. See *CURLOPT_RTSP_CLIENT_CSEQ(3)*

CURLOPT_RTSP_SERVER_CSEQ
CSEQ number for RTSP Server->Client request. See *CURLOPT_RTSP_SERVER_CSEQ(3)*

PROTOCOL OPTIONS

CURLOPT_TRANSFERTEXT
Use text transfer. See *CURLOPT_TRANSFERTEXT(3)*

CURLOPT_PROXY_TRANSFER_MODE
        Add transfer mode to URL over proxy. See *CURLOPT_PROXY_TRANSFER_MODE(3)*

CURLOPT_CRLF
        Convert newlines. See *CURLOPT_CRLF(3)*

CURLOPT_RANGE
        Range requests. See *CURLOPT_RANGE(3)*

CURLOPT_RESUME_FROM
        Resume a transfer. See *CURLOPT_RESUME_FROM(3)*

CURLOPT_RESUME_FROM_LARGE
        Resume a transfer. See *CURLOPT_RESUME_FROM_LARGE(3)*

CURLOPT_CUSTOMREQUEST
        Custom request/method. See *CURLOPT_CUSTOMREQUEST(3)*

CURLOPT_FILETIME
        Request file modification date and time. See *CURLOPT_FILETIME(3)*

CURLOPT_DIRLISTONLY
        List only. See *CURLOPT_DIRLISTONLY(3)*

CURLOPT_NOBODY
        Do not get the body contents. See *CURLOPT_NOBODY(3)*

CURLOPT_INFILESIZE
        Size of file to send. *CURLOPT_INFILESIZE(3)*

CURLOPT_INFILESIZE_LARGE
        Size of file to send. *CURLOPT_INFILESIZE_LARGE(3)*

CURLOPT_UPLOAD
        Upload data. See *CURLOPT_UPLOAD(3)*

CURLOPT_MAXFILESIZE
        Maximum file size to get. See *CURLOPT_MAXFILESIZE(3)*

CURLOPT_MAXFILESIZE_LARGE
        Maximum file size to get. See *CURLOPT_MAXFILESIZE_LARGE(3)*

CURLOPT_TIMECONDITION
        Make a time conditional request. See *CURLOPT_TIMECONDITION(3)*

CURLOPT_TIMEVALUE
        Time value for the time conditional request. See *CURLOPT_TIMEVALUE(3)*

CONNECTION OPTIONS
CURLOPT_TIMEOUT
        Timeout for the entire request. See *CURLOPT_TIMEOUT(3)*

CURLOPT_TIMEOUT_MS
        Millisecond timeout for the entire request. See *CURLOPT_TIMEOUT_MS(3)*

CURLOPT_LOW_SPEED_LIMIT
        Low speed limit to abort transfer. See *CURLOPT_LOW_SPEED_LIMIT(3)*

CURLOPT_LOW_SPEED_TIME
        Time to be below the speed to trigger low speed abort. See *CURLOPT_LOW_SPEED_TIME(3)*

CURLOPT_MAX_SEND_SPEED_LARGE
        Cap the upload speed to this. See *CURLOPT_MAX_SEND_SPEED_LARGE(3)*

CURLOPT_MAX_RECV_SPEED_LARGE
        Cap the download speed to this. See *CURLOPT_MAX_RECV_SPEED_LARGE(3)*

CURLOPT_MAXCONNECTS
>   Maximum number of connections in the connection pool. See *CURLOPT_MAXCONNECTS(3)*

CURLOPT_FRESH_CONNECT
>   Use a new connection. *CURLOPT_FRESH_CONNECT(3)*

CURLOPT_FORBID_REUSE
>   Prevent subsequent connections from re-using this. See *CURLOPT_FORBID_REUSE(3)*

CURLOPT_CONNECTTIMEOUT
>   Timeout for the connection phase. See *CURLOPT_CONNECTTIMEOUT(3)*

CURLOPT_CONNECTTIMEOUT_MS
>   Millisecond timeout for the connection phase. See *CURLOPT_CONNECTTIMEOUT_MS(3)*

CURLOPT_IPRESOLVE
>   IP version to resolve to. See *CURLOPT_IPRESOLVE(3)*

CURLOPT_CONNECT_ONLY
>   Only connect, nothing else. See *CURLOPT_CONNECT_ONLY(3)*

CURLOPT_USE_SSL
>   Use TLS/SSL. See *CURLOPT_USE_SSL(3)*

CURLOPT_RESOLVE
>   Provide fixed/fake name resolves. See *CURLOPT_RESOLVE(3)*

CURLOPT_DNS_INTERFACE
>   Bind name resolves to this interface. See *CURLOPT_DNS_INTERFACE(3)*

CURLOPT_DNS_LOCAL_IP4
>   Bind name resolves to this IP4 address. See *CURLOPT_DNS_LOCAL_IP4(3)*

CURLOPT_DNS_LOCAL_IP6
>   Bind name resolves to this IP6 address. See *CURLOPT_DNS_LOCAL_IP6(3)*

CURLOPT_ACCEPTTIMEOUT_MS
>   Timeout for waiting for the server's connect back to be accepted. See *CURLOPT_ACCEPTTIME-OUT_MS(3)*

SSL and SECURITY OPTIONS

CURLOPT_SSLCERT
>   Client cert. See *CURLOPT_SSLCERT(3)*

CURLOPT_SSLCERTTYPE
>   Client cert type. See *CURLOPT_SSLCERTTYPE(3)*

CURLOPT_SSLKEY
>   Client key. See *CURLOPT_SSLKEY(3)*

CURLOPT_SSLKEYTYPE
>   Client key type. See *CURLOPT_SSLKEYTYPE(3)*

CURLOPT_KEYPASSWD
>   Client key password. See *CURLOPT_KEYPASSWD(3)*

CURLOPT_SSL_ENABLE_ALPN
>   Enable use of ALPN. See *CURLOPT_SSL_ENABLE_ALPN(3)*

CURLOPT_SSL_ENABLE_NPN
>   Enable use of NPN. See *CURLOPT_SSL_ENABLE_NPN(3)*

CURLOPT_SSLENGINE
>   Use identifier with SSL engine. See *CURLOPT_SSLENGINE(3)*

CURLOPT_SSLENGINE_DEFAULT
      Default SSL engine. See *CURLOPT_SSLENGINE_DEFAULT(3)*

CURLOPT_SSLVERSION
      SSL version to use. See *CURLOPT_SSLVERSION(3)*

CURLOPT_SSL_VERIFYPEER
      Verify the SSL certificate. See *CURLOPT_SSL_VERIFYPEER(3)*

CURLOPT_CAINFO
      CA cert bundle. See *CURLOPT_CAINFO(3)*

CURLOPT_ISSUERCERT
      Issuer certificate. See *CURLOPT_ISSUERCERT(3)*

CURLOPT_CAPATH
      Path to CA cert bundle. See *CURLOPT_CAPATH(3)*

CURLOPT_CRLFILE
      Certificate Revocation List. See *CURLOPT_CRLFILE(3)*

CURLOPT_SSL_VERIFYHOST
      Verify the host name in the SSL certificate. See *CURLOPT_SSL_VERIFYHOST(3)*

CURLOPT_CERTINFO
      Extract certificate info. See *CURLOPT_CERTINFO(3)*

CURLOPT_PINNEDPUBLICKEY
      Set pinned SSL public key . See *CURLOPT_PINNEDPUBLICKEY(3)*

CURLOPT_RANDOM_FILE
      Provide source for entropy random data. See *CURLOPT_RANDOM_FILE(3)*

CURLOPT_EGDSOCKET
      Identify EGD socket for entropy. See *CURLOPT_EGDSOCKET(3)*

CURLOPT_SSL_CIPHER_LIST
      Ciphers to use. See *CURLOPT_SSL_CIPHER_LIST(3)*

CURLOPT_SSL_SESSIONID_CACHE
      Disable SSL session-id cache. See *CURLOPT_SSL_SESSIONID_CACHE(3)*

CURLOPT_SSL_OPTIONS
      Control SSL behavior. See *CURLOPT_SSL_OPTIONS(3)*

CURLOPT_KRBLEVEL
      Kerberos security level. See *CURLOPT_KRBLEVEL(3)*

CURLOPT_GSSAPI_DELEGATION
      Disable GSS-API delegation. See *CURLOPT_GSSAPI_DELEGATION(3)*

SSH OPTIONS

CURLOPT_SSH_AUTH_TYPES
      SSH authentication types. See *CURLOPT_SSH_AUTH_TYPES(3)*

CURLOPT_SSH_HOST_PUBLIC_KEY_MD5
      MD5 of host's public key. See *CURLOPT_SSH_HOST_PUBLIC_KEY_MD5(3)*

CURLOPT_SSH_PUBLIC_KEYFILE
      File name of public key. See *CURLOPT_SSH_PUBLIC_KEYFILE(3)*

CURLOPT_SSH_PRIVATE_KEYFILE
      File name of private key. See *CURLOPT_SSH_PRIVATE_KEYFILE(3)*

CURLOPT_SSH_KNOWNHOSTS
      File name with known hosts. See *CURLOPT_SSH_KNOWNHOSTS(3)*

       CURLOPT_SSH_KEYFUNCTION
             Callback for known hosts handling. See *CURLOPT_SSH_KEYFUNCTION(3)*

       CURLOPT_SSH_KEYDATA
             Custom pointer to pass to ssh key callback. See *CURLOPT_SSH_KEYDATA(3)*

OTHER OPTIONS
       CURLOPT_PRIVATE
             Private pointer to store. See *CURLOPT_PRIVATE(3)*

       CURLOPT_SHARE
             Share object to use. See *CURLOPT_SHARE(3)*

       CURLOPT_NEW_FILE_PERMS
             Mode for creating new remote files. See *CURLOPT_NEW_FILE_PERMS(3)*

       CURLOPT_NEW_DIRECTORY_PERMS
             Mode for creating new remote directories. See *CURLOPT_NEW_DIRECTORY_PERMS(3)*

TELNET OPTIONS
       CURLOPT_TELNETOPTIONS
             TELNET options. See *CURLOPT_TELNETOPTIONS(3)*

RETURN VALUE
       CURLE_OK (zero) means that the option was set properly, non-zero means an error occurred as *<curl/curl.h>* defines. See the *libcurl-errors(3)* man page for the full list with descriptions.

       If you try to set an option that libcurl doesn't know about, perhaps because the library is too old to support it or the option was removed in a recent version, this function will return *CURLE_UNKNOWN_OPTION*. If support for the option was disabled at compile-time, it will return *CURLE_NOT_BUILT_IN*.

EXAMPLE
```
CURL *curl = curl_easy_init();
if(curl) {
  CURLcode res;
  curl_easy_setopt(curl, CURLOPT_URL, "http://example.com");
  res = curl_easy_perform(curl);
  curl_easy_cleanup(curl);
}}
```

SEE ALSO
       curl_easy_init(3), **curl_easy_cleanup**(3), **curl_easy_reset**(3), **curl_multi_setopt**(3),