

**NAME**

CURLOPT\_CONV\_TO\_NETWORK\_FUNCTION – convert data to network from host encoding

**SYNOPSIS**

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

```
CURLcode conv_callback(char *ptr, size_t length);
```

```
CURLcode curl_easy_setopt(CURL *handle, CURLOPT_CONV_TO_NETWORK_FUNCTION,
                           conv_callback);
```

**DESCRIPTION**

Pass a pointer to your callback function, which should match the prototype shown above.

Applies to non-ASCII platforms. *curl\_version\_info(3)* will return the `CURL_VERSION_CONV` feature bit set if this option is provided.

The data to be converted is in a buffer pointed to by the *ptr* parameter. The amount of data to convert is indicated by the *length* parameter. The converted data overlays the input data in the buffer pointed to by the *ptr* parameter. *CURLE\_OK* must be returned upon successful conversion. A `CURLcode` return value defined by `curl.h`, such as *CURLE\_CONV\_FAILED*, should be returned if an error was encountered.

**CURLOPT\_CONV\_TO\_NETWORK\_FUNCTION** converts from host encoding to the network encoding. It is used when commands or ASCII data are sent over the network.

If you set a callback pointer to `NULL`, or don't set it at all, the built-in libcurl iconv functions will be used. If `HAVE_ICONV` was not defined when libcurl was built, and no callback has been established, conversion will return the *CURLE\_CONV\_REQD* error code.

If `HAVE_ICONV` is defined, `CURL_ICONV_CODESET_OF_HOST` must also be defined. For example:

```
#define CURL_ICONV_CODESET_OF_HOST "IBM-1047"
```

The iconv code in libcurl will default the network and UTF8 codeset names as follows:

```
#define CURL_ICONV_CODESET_OF_NETWORK "ISO8859-1"
```

```
#define CURL_ICONV_CODESET_FOR_UTF8 "UTF-8"
```

You will need to override these definitions if they are different on your system.

**DEFAULT**

`NULL`

**PROTOCOLS**

FTP, SMTP, IMAP, POP3

**EXAMPLE**

TODO

**AVAILABILITY**

Available only if **CURL\_DOES\_CONVERSIONS** was defined when libcurl was built.

**RETURN VALUE**

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

**SEE ALSO**

**CURLOPT\_CONV\_FROM\_NETWORK\_FUNCTION(3)**, **CURLOPT\_CONV\_TO\_UTF8\_FUNCTION(3)**,