

NAME

CURLOPT_CONV_FROM_UTF8_FUNCTION – convert data from UTF8 to host encoding

SYNOPSIS

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

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

```
CURLcode curl_easy_setopt(CURL *handle, CURLOPT_CONV_FROM_UTF8_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_FROM_UTF8_FUNCTION` converts to host encoding from UTF8 encoding. It is required only for SSL processing.

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

TLS-based protocols.

EXAMPLE

`TODD`

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_TO_NETWORK_FUNCTION(3)`, `CURLOPT_CONV_FROM_NETWORK_FUNCTION(3)`,