

CURLOPT_CONV_FROM_UTF8_FUNCTION(3) easy_setopt of **CURLOPT_CONV_FROM_UTF8_FUNCTION(3)**

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

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_TO_NETWORK_FUNCTION(3), **CURLOPT_CONV_FROM_NETWORK_FUNCTION(3)**