

**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)**