

libsurl Tutorial

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Chapter 1. Introduction

1.1. About This Document

This document is intended as a thorough introduction to all of libcurl's capabilities, but not as a complete reference. Therefore, although all functions and features are discussed, they may not be described completely and accurately.

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1.2. What is libcurl?

Libcurl is a small library for interacting with various online url shortening services, such as tinyurl (<http://tinyurl.com>), bit.ly (<http://bit.ly>), and is.gd (<http://is.gd>). The primary purpose of libcurl is to dynamically generate shortened urls, but it could also be used to access statistics or perform any other task supported by a large number of url-shorteneing services.

1.2.1. A simple example

The following example is a simple program to output the shortened version of a URL read from standard input.

```
#include <stdlib.h>
#include <stdio.h>
#include <libcurl-fe.h>

int main(int argc, char *argv[]) {
    CURL *curl=curl_init();
    if(curl==0) return 1;
    char *url=(char *)malloc(500);
    scanf("%s", url);
    curl_setopt(curl, CURLOPT_URL, url);
    curl_setopt(curl, CURLOPT_SERVICE, BIT_LY);
    curl_setopt(curl, CURLOPT_USERNAME, "libcurl");
    curl_setopt(curl, CURLOPT_API_KEY, "R_d23d5fe4eea3777446ec7fa17d67bf42");

    if(curl_shorten(curl) || curl->error)
        curl_wait(curl);
    puts(curl_getopt(curl, CURLOPT_SHORT_URL));
}
```

```
surl_cleanup(surl);  
return 0;  
}
```

Chapter 2. Basic Use

Coming soon: this section of the documentation is not available for this version of libcurl.

Chapter 3. Advanced Use

Coming soon: this section of the documentation is not available for this version of libcurl.

Chapter 4. Extending libsurl

Coming soon: this section of the documentation is not available for this version of libsurl.