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multithread.c

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```
*
   Project
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 /* <DESC>
 * A multi-threaded example that uses pthreads to fetch several files at once
 * </DESC>
#include <stdio.h>
#include <pthread.h>
#include <curl/curl.h>
#define NUMT 4
 List of URLs to fetch.
 If you intend to use a SSL-based protocol here you MUST setup the OpenSSL
 callback functions as described here:
 https://www.openssl.org/docs/crypto/threads.html#DESCRIPTION
const char * const urls[NUMT]= {
  "https://curl.haxx.se/",
  "ftp://cool.haxx.se/",
  "http://www.contactor.se/",
  "www.haxx.se"
static void *pull one url(void *url)
```

```
CURL *curl;
 curl = curl easy init();
 curl_easy_setopt(curl, CURLOPT_URL, url);
  curl_easy_perform(curl); /* ignores error */
 curl_easy_cleanup(curl);
 return NULL;
/*
   int pthread create (pthread t *new thread ID,
  const pthread attr t *attr,
   void * (*start_func) (void *), void *arg);
int main(int argc, char **argv)
 pthread t tid[NUMT];
  int i;
  int error;
  /* Must initialize libcurl before any threads are started */
 curl_global_init(CURL_GLOBAL_ALL);
  for (i=0; i < NUMT; i++) {
   error = pthread_create(&tid[i],
                           NULL, /* default attributes please */
                           pull_one_url,
                           (void *)urls[i]);
    if(0 != error)
      fprintf(stderr, "Couldn't run thread number %d, errno %d\n", i, error);
   else
      fprintf(stderr, "Thread %d, gets %s\n", i, urls[i]);
  /* now wait for all threads to terminate */
 for (i=0; i \leq NUMT; i++) {
   error = pthread_join(tid[i], NULL);
   fprintf(stderr, "Thread %d terminated\n", i);
 return 0;
```