Forum:Hack Forums

Thread: is this the best way to upload a file to a FTP server using C++?

gurlhackerclub - *August 28, 2020, 1:19 pm*

is this the best way to FTP a file to a server using C++?
Feel like I am cheating by calling the system command.

Code #include <stdio.h>
#include <stdlib.h>
#include <string>
#include <iostream>
#include <cstdlib>

```
int main()
{
    int i;
    printf("Checking if processor is available...");
    if (system(NULL)) puts("Ok");
    else exit(EXIT_FAILURE);
    printf("Executing FTP...\n");
    std::string cmdstring;
    cmdstring = "curl -T my-local-file.txt ftp://ftp.example.com --user user:secret ";
    const char* command = cmdstring.c_str();

    i = system(command);
    printf("output: %d.\n", i);
    return 0;
}
```

Lynx - *August 28, 2020, 1:20 pm*

I think actual FTP functions exist in c++;
What OS are you using?

gurlhackerclub - *August 28, 2020, 1:27 pm*

(Aug 28, 2020 01:20 PM)Lynx Wrote: *[CITE]* I think actual FTP functions exist in c++;
What OS are you using?
Windows.
I found an old example using wininet. But I was have problems with it.
InternetOpen, InternetConnect, and !FtpPutFile were not found.
Probably something dumb, Like my compiler settings.

Code #include <wininet.h>
#include <iostream>
#include <windows.h>
#include <Wininet.h>
#include <stdlib.h>
#include <winsock.h>
#include <string.h>
#include <stdio.h>

```
using namespace std;

#pragma comment(lib, "Ws2_32.lib")
#pragma comment(lib, "wininet.lib")

void FileSubmit()
   {
      HINTERNET hInternet;
      HINTERNET hFtpSession;

      hInternet = InternetOpen(NULL, INTERNET_OPEN_TYPE_DIRECT, NULL, NULL, 0);

      if (hInternet == NULL)
      {
         cout << "Error: " << GetLastError();
      }
      else
      {
         hFtpSession = InternetConnect(hInternet, "server", INTERNET_DEFAULT_FTP_PORT,
"user", "pass", INTERNET_SERVICE_FTP, 0, 0);
         if (hFtpSession == NULL)
         {
            cout << "Error: " << GetLastError();
         }
         else
         {
            if (!FtpPutFile(hFtpSession, "C://file.txt", "/file.txt", FTP_TRANSFER_TYPE_BINARY, 0))
            {
               cout << "Error: " << GetLastError();
            }
         }
      }
   }
```

Lynx - *August 28, 2020, 1:28 pm*

(Aug 28, 2020 01:27 PM)gurlhackerclub Wrote: [CITE] Windows.
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                {
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                }
            }
        }
    }
```
just google the errors man, you'll figure it out.

tux1 - *August 28, 2020, 3:40 pm*

(Aug 28, 2020 01:27 PM)gurlhackerclub Wrote: [CITE] Windows.
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            }
        }
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```

That should work, it sounds like you haven't linked the wininet.lib correctly with your compiler.

A simpler example: https://stackoverflow.com/questions/35771120/c-uploading-file-to-ftp

gurlhackerclub - *August 28, 2020, 6:37 pm*

(Aug 28, 2020 03:40 PM)tux1 Wrote: *[CITE]* That should work, it sounds like you haven't linked the wininet.lib correctly with your compiler.

A simpler example: https://stackoverflow.com/questions/35771120/c-uploading-file-to-ftp
Thanks Tux1!