

Programmatically uploading a file to an FTP site

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Today's Little Program uploads a file to an FTP site in binary mode with the assistance of the Wininet library. This program has sat in my bag of tools for years.

```
#define STRICT
#define UNICODE
#include <windows.h>
#include <wininet.h>
#include <shellapi.h>
int __cdecl wmain(int argc, PWSTR argv[])
{
    if (argc == 6) {
        HINTERNET hintRoot = InternetOpen(TEXT("ftpput/1.0"),
            INTERNET_OPEN_TYPE_DIRECT,
            NULL, NULL, 0);
        if (hintRoot) {
            HINTERNET hintFtp = InternetConnect(hintRoot,
                argv[1],
                INTERNET_DEFAULT_FTP_PORT,
                argv[2],
                argv[3],
                INTERNET_SERVICE_FTP,
                INTERNET_FLAG_PASSIVE,
                NULL);
            if (hintFtp) {
                FtpPutFile(hintFtp, argv[4], argv[5],
                    FTP_TRANSFER_TYPE_BINARY,
                    NULL);
                InternetCloseHandle(hintFtp);
            }
            InternetCloseHandle(hintRoot);
        }
    }
    return 0;
}
```

The program accepts five command line arguments:

1. site (no "ftp://" in front)

2. userid
3. password
4. path for the file to upload
5. location to place the uploaded file

For example, I might say `ftpput ftp.contoso.com admin seinfeld newversion.zip
subdir/newversion.zip`

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