
Subject: [SOLVED] WIN32 API "MoveFile" and LineEdit Ctrl issue

Posted by [navi](#) on Mon, 19 Nov 2012 05:32:58 GMT

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Objective: Trying to batch rename files.

Problem: WIN32 API "MoveFile" fails to rename files if the file names are fetched from LineEdit Ctrl.

My guess is it has got something to do with hidden end of line char or CHARSET Unicode Ascii conversion issue. But I did not yet find a way to fix the problem. It is essential that I fetch the file name from the LineEdit Ctrl. Where the LineEdit Ctrl has multiple lines and each line is a file name.

I have coded a sample program to replicate the problem. Attached are the codes and screen-shots.

Thanks,
Navi

Reference:

MoveFile function (Windows) [MSDN]

System Error Codes (0-499) (Windows) [MSDN]

```
#include <CtrlLib/CtrlLib.h>
#include <CtrlCore/CtrlCore.h>
```

```
using namespace Upp;
```

```
GUI_APP_MAIN
{
```

```
    TopWindow w;
    LineEdit e,f;
    Vector<String> v1, v2; // Vectors for Storing File Names
    String s;           // String for temporary use
    bool r=false; // r to keep the "MoveFile" API Return
    int err_no=0; // err_no to keep "GetLastError" API Return
```

```
    // GUI SETUP CODE
```

```
    e.SetRect(10,10,680,100);
    f.SetRect(10,120,680,220);
    w.SetRect(0,0,700,350);
```

```
    w<<e<<f;
```

```

// ADDING SOME DUMMY BUT VALID FILE NAMES THAT DO EXIST
v1.Add("E:\\TEMP\\1.txt");
v1.Add("E:\\TEMP\\2.txt");
v1.Add("E:\\TEMP\\3.txt");

// CATENATING VECTOR 'v1' INOT TEMP STRING 's' TO LOAD ALL FILE NAMEs INTO
LINEEDIT
for(int i=0; i<v1.GetCount(); i++){
    s<<v1[i]<<"\n";
}

e.Set(s);

// FETCHING THE FILE NAME BACK FROM THE LINEEDIT AND SPLITTING THEM INTO
SEPERATE STRING
s.Clear();

s=e.Get();

v2=Split(s, "\n", true);

// TEST-1: RENAMEING FILES USING v1 FILE NAME TO v1 FILE NAME (Ya Same Names. for
tests only!)
s.Clear();

s<<"DEBUG INFO: TEST-1:\n";

for(int i=0; i<v1.GetCount(); i++){

    r=MoveFile(v1[i],v1[i]);

    (!r)? err_no=GetLastError() : err_no=0;

    s<<"RENAME "
    <<v1[i]<<" => "<<v1[i]
    <<" [Done="<<r<<" [Error="
    <<err_no<<" ]\n";
}

// TEST-2: RENAMEING FILES USING v1 FILE NAME TO v2 FILE NAME (Ya Same Names. but
from LineEdit Ctrl)
s<<"\nDEBUG INFO: TEST-2:\n";

for(int i=0; i<v1.GetCount(); i++){

    r=MoveFile(v1[i],v2[i]);

```

```

(!r)? err_no=GetLastError() : err_no=0;

s<<"RENAME "
<<v1[i]<<" => "<<v2[i]
<<" [Done="<<r<<" [Error="
<<err_no<<"\n";
}

s<<"\n***Error Code 123(0x7B) = ERROR_INVALID_NAME\n";

// PRINTING THE RESULTS
f.Set(s);

// Executing the Window
w.Run();
}

```

File Attachments

1) [main.cpp](#), downloaded 254 times
