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 388 times