Subject: Possible Bug with Printing under linux
Posted by woffleys on Tue, 05 May 2015 10:32:58 GMT
View Forum Message <> Reply to Message

Hi everyone,

every time I try to print using the uword demo, it will only use the first printer in the list, which is not my default printer or the one i chose.

* /home/kris/upp.out/examples/GCC.Debug.Debug_Full.Gui.Shared/ UWord 05.05.2015 10:59:41, user: kris

05.05.2015 10:59:41 PDF (inital printer)
05.05.2015 10:59:45 RICOH_Aficio_MP_C3000 (selected printer)
05.05.2015 10:59:45 -d PDF -o media=A4,1Tray -o number-up=1 -n 1 (lp options)

does anyone have any idea which files I would need to check to fix this?

Subject: Re: Possible Bug with Printing under linux
Posted by woffleys on Tue, 05 May 2015 12:24:11 GMT
View Forum Message <> Reply to Message

I've managed to fix the default printer issue, by editing the file: PrinterJob.cpp

the default printer fetched by "lpstat -d" has a space at the front and new line/carrage return at the end.

by adding:

```
if(p.StartsWith(" ")){ p = p.Mid(1); }
p.Replace("\r","");
p.Replace("\n","");
```

after: String p = h.Mid(q + 1); (line: 288)

this is now fixed in my copy. but as Im new to ultimate++ / C++ if someone has a better / simpler way, it would be appreciated.

I still dont know why a chosen printer is not used and the default / first is.

Subject: Re: Possible Bug with Printing under linux
Posted by woffleys on Tue, 05 May 2015 13:15:15 GMT
View Forum Message <> Reply to Message

Hi Everyone,

I've finally figured out the issue. the printer options were not always being updated, so it could easily have the wrong printer.

I've attached my PrinterJob.cpp which has the changes in.

I hope this helps anyone in the future.

File Attachments

1) PrinterJob.cpp, downloaded 535 times

Subject: Re: Possible Bug with Printing under linux
Posted by Klugier on Tue, 05 May 2015 22:12:06 GMT
View Forum Message <> Reply to Message

Hello,

Maybe the error is in dlg.IsCanceled() expression. Shouldn't it returns false if dialog is canceled. I mean (PrinterJob.cpp line 378):

```
 if(dodlg) {
  dlg.Run();
  if(dlg.IsCanceled()) // instead of if(!dlg.IsCanceled)
   return false;
 }
```

Simpler, we want to skip processing when user push cancel button.

I think we want to remove first element of string in this situation:

```
if(p.StartsWith(" ")){ p = p.Mid(1); }
```

so,

```
// Do we really want to remove first empty space? Can you post what dose "lpstat -d" return on your system.
if(p.StartsWith(" "))
   p.Remove(0);
```

P.S. 1
I will make test of this code later. Firstly I will need to create more printers on my Linyx machine If I can do it virtually.

P.S. 2
I attached modify PrinterJob.cpp file.

Sincerely,
Klugier

File Attachments
1) PrinterJob.cpp, downloaded 471 times

Subject: Re: Possible Bug with Printing under linux
Posted by woffleys on Wed, 06 May 2015 09:14:22 GMT
View Forum Message <> Reply to Message

Hi,

Thankyou for the example:

```
if(p.StartsWith(" "))
   p.Remove(0);
```

its alot better than mine. and my "lpstat -d" outputs kris@woffleys-it:~$ lpstat -d
system default destination: RICOH_Aficio_MP_C3000
kris@woffleys-it:~$

there's always been a space after the colon, but I cant tell you if its the same across all distributions.

I worked out that, PrinterJob::Execute0 is actually called twice, once with the dialog and then in GetDraw.

I changed

```
 if(dodlg) {
  dlg.Run();
  if(!dlg.IsCanceled())
   return false;
 }
```

to:

```
 if(dodlg) { dlg.Run(); }
```

then before the function returns true, i've added:

```
 if(dodlg) {
  if (!dlg.IsCanceled())
   return false;
 }
```

this allows it to run twice, setting up the options that have caused me so many problems, but also allows the printout to be cancelled.

Subject: Re: Possible Bug with Printing under linux
Posted by Klugier on Wed, 06 May 2015 22:47:52 GMT
View Forum Message <> Reply to Message

Hello,

I fixed problems with PrinterJob. Can you check and let me know if everything works well. I drew on your solution, so many thanks.

P.S.
I modified "CtrlLib/CtrlUtil.h", because we need to add "dlgSuccess" variable to PrinterJob.

P.S. 2
If you know how to use .diff with u++ you can use it instead of replacing files.

Sincerely,
Klugier

File Attachments
1) PrinterJobFixes.diff, downloaded 452 times
2) CtrlUtil.h, downloaded 503 times
3) PrinterJob.cpp, downloaded 446 times

Subject: Re: Possible Bug with Printing under linux
Posted by Klugier on Fri, 08 May 2015 21:13:16 GMT
View Forum Message <> Reply to Message

Hello one more time

It can be written even smarter. We don't need argument in "Execute0" private method, because we are calling it only once.

I have enclosed zip with necessary files for testing.

P.S.
Woffleys please let me know if everything is OK in my patch.

Sincerely,

Klugier

File Attachments

1) UppPrinterJob.zip, downloaded 471 times

Subject: Re: Possible Bug with Printing under linux
Posted by woffleys on Mon, 11 May 2015 14:11:56 GMT
View Forum Message <> Reply to Message

Hi Klugier,

sorry, I was away for a few days and just got back. i'll test it tomorrow once i've caught up.

Subject: Re: Possible Bug with Printing under linux
Posted by woffleys on Tue, 12 May 2015 14:58:14 GMT
View Forum Message <> Reply to Message

Hi Klugier,

I've done a few tests and the patch works fine.

I've spotted 2 more errors, which are very easy to fix.

The PrinterLayout (in Ctrl.lay) has paper and slot droplists the wrong way around.

and for the printer options, i've changed line 254 from:

```
Vector<String> l = Split(System("lpoptions -l -d " + String(~printer)), '\n');
```

to:

```
Vector<String> l = Split(System("lpoptions -d " + String(~printer) + " -l"), '\n');
```

this way it always lists the selected printer's options, rather than the previously selected printer.

Subject: Re: Possible Bug with Printing under linux
Posted by Klugier on Wed, 13 May 2015 20:47:15 GMT
View Forum Message <> Reply to Message

Hello Woffleys,

woffleys wrote on Tue, 12 May 2015 16:58
The PrinterLayout (in Ctrl.lay) has paper and slot droplists the wrong way around.

This change makes sense. Even "lpoptions --help" suggest yours order.

Final .diff is waiting for deployment to Upp trunk. However, firstly Mirek should accept this patch. I will give you link to the Upp bugtrack with bug discussed in this topic: http://www.ultimatepp.org/redmine/issues/1054. If status will change to "Accept" it means that patch is on the trunk.

Sincerely and thanks for co-op,
Klugier

Subject: Re: Possible Bug with Printing under linux
Posted by woffleys on Thu, 14 May 2015 09:45:07 GMT
View Forum Message <> Reply to Message

Hi Klugier,

im glad I was of some help.

Sincerely,

Kris. (woffleys)

Subject: Re: Possible Bug with Printing under linux
Posted by Klugier on Wed, 17 Jun 2015 21:07:20 GMT
View Forum Message <> Reply to Message

Hello Woffleys,

The patch is presenttly on the trunk, so it will be avaliable in next upp releases.

P.S.
You can write to Mirek if you want to be on contributors list.

Sincerely,
Klugier
