Subject: Name of a print job is missing
Posted by zsolt on Wed, 20 Sep 2006 23:48:40 GMT
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When printing Report object, the name of the job is missing in the list of pending jobs.

Fix is simple:

In Report/Reportdlg.cpp change Print() from
```
bool Print(Report& r, int i, const char *_name) {
 PrinterJob pd;
```

to
```
bool Print(Report& r, int i, const char *_name) {
 PrinterJob pd(_name);
```

Subject: Re: Name of a print job is missing
Posted by laurice on Mon, 13 Nov 2006 01:18:15 GMT
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How do you print directly to default printer without the popup printer dialog?

Thanks,

Laurice

Subject: Re: Name of a print job is missing
Posted by mirek on Mon, 13 Nov 2006 07:39:11 GMT
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Do not call Execute for PrinterJob.

Mirek

Subject: Re: Name of a print job is missing
Posted by laurice on Mon, 13 Nov 2006 08:14:27 GMT
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Hi Mirek,

I tried the following in my code:

PrintJob pd("test");

```
Draw& w = pd.GetDraw();
w.StartPage();
w.DrawDrawing(500, 500, sz.cx, sz.cy, r.GetPage(0));
w.EndPage();
```

but it does not print anything. Am I missing anything?
btw, r = Report;

Thanks,

Laurice

Subject: Re: Name of a print job is missing
Posted by zsolt on Mon, 13 Nov 2006 09:09:29 GMT
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My solution to direct printing:

//CtrlLib/CtrlUtil.h - above struct Win32PrintDlg_; and #ifdef:

```
Draw * GetDefaultPrintDraw(const String &a_name);
```

//CtrlLib/PrinterJob.cpp In windows part after PrinterJob& PrinterJob::CurrentPage(int i):

```
Draw * GetDefaultPrintDraw(const String &a_name)
{
 One<Win32PrintDlg_> pdlg = new Win32PrintDlg_;
 PRINTDLG& dlg = *pdlg;
 dlg.Flags =
PD_DISABLEPRINTTOFILE|PD_NOSELECTION|PD_RETURNDC|PD_HIDEPRINTTOFILE
  |PD_PRINTSETUP|PD_ALLPAGES|PD_RETURNDEFAULT;
 dlg.nFromPage = 1;
 dlg.nToPage = 1;
 dlg.nMinPage = 1;
 dlg.nMaxPage = 1;
 dlg.hwndOwner = GetActiveWindow();
 dlg.hDevNames = NULL;
 dlg.hDevMode = NULL;
 if(!PrintDlg(&dlg)) return false;
 return new PrintDraw(dlg.hDC, Nvl(a_name, Ctrl::GetAppName()));
}
```

//After last method, but in POSIX section:

```
Draw * GetDefaultPrintDraw(const String &a_name)
{
 String options;
 PrinterDlg dlg;
 options.Clear();
 options << " -d " << ~dlg.printer;
 options << " -o media=" << ~dlg.paper << "," << ~dlg.slot;
 if(dlg.landscape)
  options << " -o landscape";
 options << " -o number-up=" << ~dlg.npage;
 options << " -n " << ~dlg.copies;
 if(dlg.collate)
  options << " -o Collate=True";

 Size pgsz;
 pgsz.cx = 6000 * 210 / 254;
 pgsz.cy = 6000 * 297 / 254;

 PrinterDraw *pd = new PrinterDraw(pgsz);
 pd->options = options;
 return pd;
}
```

Maybe it has a lot of code not needed, but I didn't work too much with it.

Subject: Re: Name of a print job is missing
Posted by mirek on Mon, 13 Nov 2006 09:20:18 GMT
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Well, but this does not allow to set orientation....

I am currently looking into problem. The trouble is that once hDevMode is set (to set landscape mode), it is no more possible to call PrintDlg with PD_RETURNDEFAULT...

Mirek

Subject: Re: Name of a print job is missing
Posted by laurice on Mon, 13 Nov 2006 10:02:14 GMT
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Hi Mirek,

So how do I use this in my code?
I'll call this method directly ?

Please shed a li'l more tip.

Thanks,

Miches

Subject: Re: Name of a print job is missing
Posted by mirek on Mon, 13 Nov 2006 10:02:38 GMT
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OK, first quick fix:

```
bool PrinterJob::Execute0(bool dodlg)
{
 pdlg = new Win32PrintDlg_;
 PRINTDLG& dlg = *pdlg;
 dlg.Flags =
PD_DISABLEPRINTTOFILE|PD_NOSELECTION|PD_RETURNDC|PD_HIDEPRINTTOFILE;
 dlg.nFromPage = current;
 dlg.nToPage = current;
 dlg.nMinPage = from;
 dlg.nMaxPage = to;
 if(from != to)
  dlg.Flags |= PD_ALLPAGES;
 dlg.hwndOwner = GetActiveWindow();
 dlg.Flags |= PD_RETURNDEFAULT;
 if(!PrintDlg(&dlg)) return false;
 if(dlg.hDevMode) {
  DEVMODE *pDevMode = (DEVMODE*)::GlobalLock(dlg.hDevMode);
  pDevMode->dmOrientation = landscape ? DMORIENT_LANDSCAPE : DMORIENT_PORTRAIT;
  ::GlobalUnlock(dlg.hDevMode);
 }
 bool b = true;
 if(dodlg) {
  DeleteDC(dlg.hDC);
  dlg.Flags &= ~PD_RETURNDEFAULT;
  b = PrintDlg(&dlg);
 }
 if(b) {
  draw = new PrintDraw(dlg.hDC, Nvl(name, Ctrl::GetAppName()));
  page.Clear();
  if(!(dlg.Flags & PD_PAGENUMS)) {
   dlg.nFromPage = dlg.nMinPage;
   dlg.nToPage = dlg.nMaxPage;
  }
```

```
  for(int c = 0; c < ((dlg.Flags & PD_COLLATE) ? dlg.nCopies : 1); c++)
   for(int i = dlg.nFromPage - 1; i <= dlg.nToPage - 1; i++)
    for(int c = 0; c < ((dlg.Flags & PD_COLLATE) ? 1 : dlg.nCopies); c++)
     page.Add(i);
  return true;
 }
 return false;
}
```

Unfortunately, this still does not solve the problem with landscape mode. Looks like calling CreateDC directly is the only option to achieve required operation...

Mirek

Subject: Re: Name of a print job is missing
Posted by laurice on Mon, 13 Nov 2006 10:05:01 GMT
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thanks Mirek.

Applying the fix in a moment.

- Laurice

Subject: Re: Name of a print job is missing
Posted by mirek on Mon, 13 Nov 2006 10:49:29 GMT
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OK this seem to work fine for all cases:

```
bool PrinterJob::Execute0(bool dodlg)
{
 pdlg = new Win32PrintDlg_;
 PRINTDLG& dlg = *pdlg;
 dlg.Flags =
PD_DISABLEPRINTTOFILE|PD_NOSELECTION|PD_HIDEPRINTTOFILE|PD_RETURNDEFAU
LT;
 dlg.nFromPage = current;
 dlg.nToPage = current;
 dlg.nMinPage = from;
 dlg.nMaxPage = to;
 if(from != to)
  dlg.Flags |= PD_ALLPAGES;
```

```
 dlg.hwndOwner = GetActiveWindow();
 dlg.Flags |= PD_RETURNDEFAULT;
 if(!PrintDlg(&dlg)) return false;
 if(dlg.hDevMode) {
  DEVMODE *pDevMode = (DEVMODE*)::GlobalLock(dlg.hDevMode);
  pDevMode->dmOrientation = landscape ? DMORIENT_LANDSCAPE : DMORIENT_PORTRAIT;
  ::GlobalUnlock(dlg.hDevMode);
 }
 HDC hdc;
 if(dodlg) {
  dlg.Flags =
PD_DISABLEPRINTTOFILE|PD_NOSELECTION|PD_HIDEPRINTTOFILE|PD_RETURNDC;
  if(!PrintDlg(&dlg)) return false;
  hdc = dlg.hDC;
 }
 else {
  DEVNAMES *p = (DEVNAMES *)::GlobalLock(dlg.hDevNames);
  String driver = (const char *)p + p->wDriverOffset;
  String device = (const char *)p + p->wDeviceOffset;
  if(dlg.hDevMode) {
   DEVMODE *pDevMode = (DEVMODE*)::GlobalLock(dlg.hDevMode);
   hdc = CreateDC(driver, device, NULL, pDevMode);
   ::GlobalUnlock(dlg.hDevMode);
  }
  else
   hdc = CreateDC(driver, device, NULL, NULL);
 }
 if(dlg.hDevMode)
  ::GlobalFree(dlg.hDevMode);
 if(dlg.hDevNames)
  ::GlobalFree(dlg.hDevNames);
 if(hdc) {
  draw = new PrintDraw(hdc, Nvl(name, Ctrl::GetAppName()));
  page.Clear();
  if(!(dlg.Flags & PD_PAGENUMS)) {
   dlg.nFromPage = dlg.nMinPage;
   dlg.nToPage = dlg.nMaxPage;
  }
  for(int c = 0; c < ((dlg.Flags & PD_COLLATE) ? dlg.nCopies : 1); c++)
   for(int i = dlg.nFromPage - 1; i <= dlg.nToPage - 1; i++)
    for(int c = 0; c < ((dlg.Flags & PD_COLLATE) ? 1 : dlg.nCopies); c++)
     page.Add(i);
  return true;
 }
 return false;
}
```

testcase (puttin' that to reference):

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

GUI_APP_MAIN
{
 PrinterJob pj;
 if(PromptYesNo("Landscape?"))
  pj.Landscape();
 if(!PromptYesNo("Use default printer?"))
  pj.Execute();
 Draw& w = pj;
 w.StartPage();
 w.DrawText(0, 0, "Hello world!", Roman(100));
 w.EndPage();
}
```

Mirek

Subject: Re: Name of a print job is missing
Posted by zsolt on Mon, 13 Nov 2006 11:10:36 GMT
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Thanks!