
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!
