Subject: Printing PDF files in UPP
Posted by BioBytes on Sun, 26 Oct 2008 09:41:14 GMT
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First congratulations to all staff involved in UPP development. Ultimate is a very good IDE.

Sorry for that rather silly question but I am new to C++ programming and I did not find how to print PDF files directly from my application source code. I succeeded to save my report (QTF) file as a PDF file but now how to send it to the printer ? Do I have to use an external library as podofo ? I would prefer to use native UPP.

Thanking you in advance
BioBytes

Subject: Re: Printing PDF files in UPP
Posted by zsolt on Sun, 26 Oct 2008 14:53:46 GMT
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You have many options.
But the most elegant way is to use Report class from Report package. You will have "print preview" this way also.

See the Addressbook example as a reference.

Subject: Re: Printing PDF files in UPP
Posted by BioBytes on Sun, 26 Oct 2008 21:20:10 GMT
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Thank you for your reply. I just had a look to the addressBook example and I see some way to save and load report files in my application.

I wonder also how to print pdf files avoiding Win API functions as ShellExecute which requires to set absolute path parameter.

Thank you again for your help

Subject: Re: Printing PDF files in UPP
Posted by koldo on Mon, 27 Oct 2008 11:51:14 GMT
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Hello BioBytes

About this:
Quote:I wonder also how to print pdf files avoiding Win API functions as ShellExecute which

requires to set absolute path parameter.
it is possible to open or print a .pdf with Acrobat without knowing where the acrobat.exe program is located.

Best regards
Koldo

Subject: Re: Printing PDF files in UPP
Posted by BioBytes on Tue, 28 Oct 2008 19:32:27 GMT
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Great to learn the possibility for reading and printing a pdf file without knowing where Acrobat is installed but please what is the procedure ?

Thanks in advance for your help
Regards
Biobytes

Subject: Re: Printing PDF files in UPP
Posted by koldo on Tue, 28 Oct 2008 20:57:33 GMT
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Hello BioBytes

Here is a sample of Windows code to open "file". If file = "sample.pdf", this will open the file with Acrobat (if it is installed and it is the by default program to open pdf). For Linux there is also a way to do it.

```
#if defined(PLATFORM_WIN32)
 HINSTANCE ret;
 WString fileName(file);
 ret = ShellExecuteW(NULL, L"open", fileName, NULL, L".", SW_SHOWDEFAULT);
 return (long)ret > 32;
#endif
```

If this is what you want I have posted some functions in
http://www.ultimatepp.org/forum/index.php?t=msg&goto=188 17&#msg_18817.
In 1-2 weeks I will post a version with more functions related with computer and OS issues working in Linux and Windows.

Best regards
Koldo

Subject: Re: Printing PDF files in UPP
Posted by chickenk on Wed, 29 Oct 2008 07:04:50 GMT
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There exists a specific API using DDE on windows to manipulate Acrobat. The executables using this api are called pdfopen, pdfclose and pdfdde. What is cool is that you can open but also select a page or close opened Acrobat file (for example, if you want to modify it, you check if it is opened first and try to close it). I used these executables quite a lot when writing doc with LaTeX and Docbook.

Here is the source code, could be interesting :

http://www.koders.com/c/fidD0692B80DCFBDE2806A4BE8180E89188F 03B09A5.aspx

cheers
Lionel

Subject: Re: Printing PDF files in UPP
Posted by BioBytes on Wed, 29 Oct 2008 20:34:04 GMT
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Many thanks to all of you for your pertinent advices. I just finished my application and started the testing process on the field. I chose the solution of appealing the shellexecute API as posted by koldo. I will also have a look to the code written by chickenk which is very interesting too but this will require some work from me to understand well the code.

Thank you again for your help
cheers
biobytes

Subject: Re: Printing PDF files in UPP
Posted by koldo on Wed, 29 Oct 2008 20:51:50 GMT
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Hello BioBytes

Just to add a little bit, if you use ShellExecuteW with "print" instead of with "open" with Acrobat it will print the file.

Best regards
Koldo

Subject: Re: Printing PDF files in UPP
Posted by chickenk on Thu, 30 Oct 2008 06:59:28 GMT

just another small note: I did not write this piece of code. Adobe did it.
I simply used the executables produced by it.

good luck,
Lionel