
Subject: Qtf->Pdf simplified

Posted by [mirek](#) on Fri, 25 Nov 2011 17:17:03 GMT

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Recently I had some minor issues with converting Qtf to Pdf in server environment. Surely, it was not that hard, but I guess direct support is better. So it inspired two new functions:

```
Array<Drawing> RenderPages(const RichText& txt, Size pagesize = Size(3968, 6074));
```

```
String Pdf(const RichText& txt, Size pagesize = Size(3968, 6074), int margin = 200, bool pdfa = false);
```

The harder part here is RenderPages, Pdf is then only simply call to PdfDraw package, using RenderPages.

Qtf->Pdf is then just matter of:

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

```
using namespace Upp;
```

```
CONSOLE_APP_MAIN
```

```
{  
    SaveFile(GetHomeDirFile("test.pdf"), Pdf(ParseQTF("[A9 Hello World!")));  
}
```

Subject: Re: Qtf->Pdf simplified

Posted by [lectus](#) on Tue, 11 Dec 2012 20:15:47 GMT

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Hi Mikek!

This looks like an useful function.

Sadly it's giving me a 0 byte PDF file.

Subject: Re: Qtf->Pdf simplified

Posted by [deep](#) on Wed, 12 Dec 2012 17:42:32 GMT

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It works,

win7, upp 5523,

File Attachments

1) [tpdf.zip](#), downloaded 351 times

Subject: Re: Qtf->Pdf simplified

Posted by [lectus](#) on Thu, 20 Dec 2012 02:51:05 GMT

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Can U++ also import PDF files?

Something like PDF -> QTF

Subject: Re: Qtf->Pdf simplified

Posted by [lectus](#) on Thu, 20 Dec 2012 03:12:48 GMT

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deep wrote on Wed, 12 December 2012 12:42It works,

win7, upp 5523,

Weird. When I try your package it works.

When I use the SAME code in my package it gives me a 0 byte pdf file.

Subject: Re: Qtf->Pdf simplified

Posted by [mirek](#) on Thu, 20 Dec 2012 07:27:58 GMT

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Do you have PdfDraw package in the project?

Mirek

Subject: Re: Qtf->Pdf simplified

Posted by [lectus](#) on Thu, 20 Dec 2012 10:46:27 GMT

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mirek wrote on Thu, 20 December 2012 02:27Do you have PdfDraw package in the project?

Mirek

Yes.

Attached is a package that doesn't work for me.

Windows 7, latest Upp nightly, VC++ 2012 Express

File Attachments

1) [test.7z](#), downloaded 347 times

Subject: Re: Qtf->Pdf simplified

Posted by [mirek](#) on Thu, 20 Dec 2012 13:49:23 GMT

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lectus wrote on Thu, 20 December 2012 05:46mirek wrote on Thu, 20 December 2012 02:27Do you have PdfDraw package in the project?

Mirek

Yes.

Well, you did not, not correctly. The PdfDraw you had there was conditionally included only for Posix by CtrlLib (to resolve printing).

After adding PdfDraw as unconditional uses it works.

Mirek

Subject: Re: Qtf->Pdf simplified

Posted by [lectus](#) on Thu, 20 Dec 2012 14:26:43 GMT

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mirek wrote on Thu, 20 December 2012 08:49lectus wrote on Thu, 20 December 2012 05:46mirek wrote on Thu, 20 December 2012 02:27Do you have PdfDraw package in the project?

Mirek

Yes.

Well, you did not, not correctly. The PdfDraw you had there was conditionally included only for

Posix by CtrlLib (to resolve printing).

After adding PdfDraw as unconditional uses it works.

Mirek

Oh Sorry Mirek.

I got confused a little bit.

I added PdfDraw and it now works. PdfDraw showed in the list because it was added to CtrlLib, but not to my package. I didn't know it makes a difference.

Now it works!

BTW... is there any way to import PDF files as QTF?

Subject: Re: Qtf->Pdf simplified
Posted by [mirek](#) on Thu, 20 Dec 2012 15:54:29 GMT
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lectus wrote on Thu, 20 December 2012 09:26
BTW... is there any way to import PDF files as QTF?

Unfortunately, no, for two reasons:

PDF is basically vector graphics format, while QTF is rich text format - they are not even meant to express the same thing. QTF->PDF is something like typesetting glyphs into graphics.

Means, PDF could only be rendered into something graphical. Painter (and Painting) would be a good target for that, as it matches PDF quite well. Unfortunately, nobody cared to write that code so far, and for a good reason too - PDF is quite complicated.

Note that basically the same thing applies to SVG too, in that case we do yet have QTF->SVG path yet. In fact, we are missing Painter->PDF and Painter->SVG etc... too It is planned in general roadmap, but too costly to implement (I think about 1 month for Painter->PDF, Painter->SVG, 2 months for SVG->Painter, more for PDF->Painter).

Subject: Re: Qtf->Pdf simplified
Posted by [lectus](#) on Sat, 22 Dec 2012 01:42:31 GMT
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Maybe Poppler could be used to display PDFs in U++?
<http://poppler.freedesktop.org/>
