
Subject: Re: Can I place picture in background of page?

Posted by [mirek](#) on Tue, 30 Jul 2013 06:14:39 GMT

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Well, the answer is the same... This is what I do, print some background picture (on the printer), then draw RichText over it.

One example is this code:

```
struct IsWatermark : RichText::Iterator
{
    bool operator()(int pos, const RichPara& para) {
        return para.format.label == "WATERMARK";
    }
};

void DocPrint::Print(Draw& w, const RichText& text, const Rect& page, int firstpage, int lastpage,
                    int copies, bool collate, bool report)
{
    IsWatermark iwm;
    bool watermark = text.Iterate(iwm);
    RichText watermark_text;
    int wh;
    int ph = Roman(75).Info().GetHeight();
    Size pgsz = page.Size();
    if(watermark) {
        watermark_text = ParseQTF(watermark_qtf);
        wh = watermark_text.GetHeight(pgsz.cx) + ph;
    }
    firstpage = max(0, firstpage);
    int lpage = text.GetHeight(page).page;
    lastpage = min(lastpage, text.GetHeight(page).page);
    PrintPageDraw pw(w);
    Size mmsz = w.GetPageMMs();
    int x = (6000 * mmsz.cx / 254 - pgsz.cx) / 2;
    int y = (6000 * mmsz.cy / 254 - pgsz.cy) / 2;
    if(report)
        x = y = 0;
    for(int c = 0; c < (collate ? copies : 1); c++)
        for(int i = firstpage; i <= lastpage; i++)
            for(int c = 0; c < (collate ? 1 : copies); c++) {
                w.StartPage();
                PaintInfo paintinfo;
                paintinfo.indexentry = Null;
                paintinfo.hyperlink = Null;
                if(watermark) {
                    pw.SetPage(0);
```

```

paintinfo.top = PageY(0, 0);
paintinfo.bottom = PageY(1, 0);
w.Offset(x, 6000 * mmsz.cy / 254 - wh);
watermark_text.Paint(pw, page, paintinfo);
w.End();
String pg = Format("%d / %d", i + 1, lpage + 1);
Size psz = GetTextSize(pg, Roman(75));
w.DrawText(x + (pgsz.cx - psz.cx) / 2, 6000 * mmsz.cy / 254 - psz.cy,
    pg, Roman(75), Gray);
}
w.Offset(x, y);
pw.SetPage(i);
paintinfo.top = PageY(i, 0);
paintinfo.bottom = PageY(i + 1, 0);
text.Paint(pw, page, paintinfo);
w.End();
if(!IsNull(header) && i)
    pw.Page(i).DrawText(x, y + pgsz.cy + 100, header, Arial(90).Italic());
if(!IsNull(footer) && lpage && !watermark) {
    String n = Format(footer, i + 1, lpage + 1);
    Size nsz = GetTextSize(n, Arial(90).Italic());
    pw.Page(i).DrawText(
        x + pgsz.cx - nsz.cx, y + pgsz.cy + 100,
        n, Arial(90).Italic());
}
w.EndPage();
}
}

```

In this case, background watermark is actually another QTF, which gets repeated at the end of each page printed.

Mirek
