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Subject: Re: Strange issue with text in Painter  
Posted by [mirek](#) on Thu, 17 Jan 2019 12:58:49 GMT  
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Tom1 wrote on Thu, 17 January 2019 13:40mirek wrote on Thu, 17 January 2019 14:34What about

```
void RenderCharacterSys(FontGlyphConsumer& sw, double x, double y, int ch, Font fnt)
{
    RLOG(CoWork::GetWorkerIndex() << " RenderCharSys " << fnt << " " << ch << " " << (char)ch);
    static Atomic h;
    h++;
    HFONT hfont = GetWin32Font(fnt, 0);
    VERIFY(hfont);
    if(hfont) {
        HDC hdc = Win32_IC();
        HFONT ohfont = (HFONT) ::SelectObject(hdc, hfont);
        GLYPHMETRICS gm;
        MAT2 m_matrix;
        memset(&m_matrix, 0, sizeof(m_matrix));
        m_matrix.eM11.value = 1;
        m_matrix.eM22.value = 1;
        int gsz = GetGlyphOutlineW(hdc, ch, GGO_NATIVE|GGO_UNHINTED, &gm, 0, NULL,
&m_matrix);
        if(gsz < 0) {
            LOGFONT lf;
            int ret = GetObject(hfont, sizeof(lf), &lf);
            RLOG("Failed " << CoWork::GetWorkerIndex() << " RenderCharSys " << fnt << " " << ch << " "
<< (char)ch
                << ", real: " << " " << lf.lfFaceName << " " << lf.lfHeight);
            RDUMP((void *)hdc);
            RDUMP((void *)hfont);
            RDUMP(GetLastError());
        }
        VERIFY(gsz >= 0);
        if(gsz < 0)
            return;
        StringBuffer gb(gsz);
        gsz = GetGlyphOutlineW(hdc, ch, GGO_NATIVE|GGO_UNHINTED, &gm, gsz, ~gb, &m_matrix);
        if(gsz < 0) {
            LOGFONT lf;
            int ret = GetObject(hfont, sizeof(lf), &lf);
            RLOG("Failed2 " << CoWork::GetWorkerIndex() << " RenderCharSys " << fnt << " " << ch << " "
<< (char)ch
                << ", real: " << " " << lf.lfFaceName << " " << lf.lfHeight);
            RDUMP((void *)hdc);
            RDUMP((void *)hfont);
```

```

RDUMP(GetLastErrorMessage());
}
VERIFY(gsz >= 0);
if(gsz < 0)
    return;
RenderCharPath(~gb, gsz, sw, x, y + fnt.GetAscent());
::SelectObject(hdc, ohfont);
}
h--;
VERIFY(h == 0);
}

```

Again the first VERIFY(gsz >= 0); ASSERTED on line 424. LOG attached...

BR, Tom

It starts to look like Win32 does not like the sharing of HDC... (despite of what the documentation says).

What about this:

```

void RenderCharacterSys(FontGlyphConsumer& sw, double x, double y, int ch, Font fnt)
{
RLOG(CoWork::GetWorkerIndex() << " RenderCharSys " << fnt << " " << ch << " " << (char)ch);
static Atomic h;
h++;
HFONT hfont = GetWin32Font(fnt, 0);
VERIFY(hfont);
if(hfont) {
HDC hdc = CreateIC("DISPLAY", NULL, NULL, NULL);
HFONT ohfont = (HFONT) ::SelectObject(hdc, hfont);
GLYPHMETRICS gm;
MAT2 m_matrix;
memset(&m_matrix, 0, sizeof(m_matrix));
m_matrix.eM11.value = 1;
m_matrix.eM22.value = 1;
int gsz = GetGlyphOutlineW(hdc, ch, GGO_NATIVE|GGO_UNHINTED, &gm, 0, NULL,
&m_matrix);
if(gsz < 0) {
LOGFONT lf;
int ret = GetObject(hfont, sizeof(lf), &lf);
RLOG("Failed " << CoWork::GetWorkerIndex() << " RenderCharSys " << fnt << " " << ch << " "
<< (char)ch
<< ", real: " << " " << lf.lfFaceName << " " << lf.lfHeight);
RDUMP((void *)hdc);
RDUMP((void *)hfont);
}
}
}

```

```

RDUMP(GetLastErrorMessage());
}
VERIFY(gsz >= 0);
if(gsz < 0)
return;
StringBuffer gb(gsz);
gsz = GetGlyphOutlineW(hdc, ch, GGO_NATIVE|GGO_UNHINTED, &gm, gsz, ~gb, &m_matrix);
if(gsz < 0) {
LOGFONT lf;
int ret = GetObject(hfont, sizeof(lf), &lf);
RLOG("Failed2 " << CoWork::GetWorkerIndex() << " RenderCharSys " << fnt << " " << ch << " "
<< (char)ch
<< ", real: " << " " << lf.lfFaceName << " " << lf.lfHeight);
RDUMP((void *)hdc);
RDUMP((void *)hfont);
RDUMP(GetLastErrorMessage());
}
VERIFY(gsz >= 0);
if(gsz < 0)
return;
RenderCharPath(~gb, gsz, sw, x, y + fnt.GetAscent());
::SelectObject(hdc, ohfont);
::DeleteDC(hdc);
}
h--;
VERIFY(h == 0);
}

```