
Subject: Re: MILESTONE: gtk3 replaces gtk2 as default linux backend

Posted by [Tom1](#) on Mon, 20 Apr 2020 10:57:11 GMT

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mirek wrote on Mon, 20 April 2020 11:31Worth testing:

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

```
using namespace Upp;
```

```
GUI_APP_MAIN
```

```
{  
    DDUMP(GetDeviceCaps(GetDC(NULL), SHADEBLENDCAPS) & SB_PIXEL_ALPHA);  
}
```

This should detect whether AlphaBlend is HW accelerated on the platform.... It is 0 on my computer with RX580...

It would also be interesting to test how SW emulation fares, simply by changing

```
if(0 && fnAlphaBlend() && IsNull(c) && !ImageFallback &&
```

In general, I think it might be a good idea to "reactivate" SetSurface, but maybe we can do that with some Image hinting system? I do not really like the idea of GetKind anymore, it is from old days when 1024x768 bitmap was considered huge...

gtk3: Have you tested:

```
static Size sz = Ctrl::GetPrimaryScreenArea().GetSize();
```

```
?
```

Mirek

Hi

1. DUMP gives me: GetDeviceCaps(GetDC(NULL), SHADEBLENDCAPS) & SB_PIXEL_ALPHA = 0

2. SW emulation (with "if(0 && ...)) yields 28-31 milliseconds on a maximized 4k window.

3. On the Linux/GTK3 dept. "static Size sz = Ctrl::GetPrimaryScreenArea().GetSize();" does not work because first call yields zero size... The following calls return the monitor size. The

initialization of "static Size sz" should be linked with a valid non-zero size returned.

Best regards,

Tom
