Subject: Re: Native DPI
Posted by mirek on Wed, 27 May 2015 08:14:13 GMT

Tom1 wrote on Tue, 26 May 2015 10:22Hi,

Not having GetDPIForMonitor() does not seem to be a catastropy. I tried a few things on Windows 8.1 with two displays (UHD as primary and FullHD as secondary):

It seems we can always query "Windows main display's" DPI using GetDeviceCaps(handle,LOGPIXELSX) and GetDeviceCaps(handle,LOGPIXELSY).

Is default font size being changed as well?

(I sort of doubt it, this is our current code for reading font height

```
 NONCLIENTMETRICS ncm;
 ncm.cbSize = sizeof(ncm);
 ::SystemParametersInfo(SPI_GETNONCLIENTMETRICS, sizeof(ncm), &ncm, 0);
 name = FromSystemCharset(ncm.lfMenuFont.lfFaceName);
 height = abs((int)ncm.lfMenuFont.lfHeight);
```

- there does not seem anything that would link it with any monitor)

Quote:
If the window is moved to another display, a WM_DPICHANGED message is received with wParam LOWORD and HIWORD reporting the new DPI values of the monitor, the window was moved to.

If the initial display DPI is read at window creation time with GetDeviceCaps() and always updated when a WM_DPICHANGED message is received, I think we have it all covered.

Well, as long as we maintain single DPI for the whole application...

Mirek