Subject: Upp application and CPU on Linux
Posted by lokki on Thu, 01 Apr 2010 12:09:03 GMT
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Hello,

I have probably a stupid question and didn't find a proper place where to put it.

I have made some observation of my apps running on Linux (Ubuntu and Debian) and found out that even if I compile an application consisting just of an empty window, it takes approx. 5% of CPU all the time it is running (no matter if it's minimized or not). It also takes a bit more if it's focused.

I didn't encounter such issue (if this could be considered an issue) on same upp application compiled on Win XP.

Also an reference "empty window application" done in QT4 on the same linux instance doesn't "eat" CPU at all. It's 0% unless you start moving the window or moving and clicking the mouse over the window.

Did anyone encounter this? Should this be considered as feature/error or is something wrong with my X? (I can't imagine how it would be to run concurrently e.g. 10 apps created by upp on such linux machine)

Thanks.

Edit: this is not April joke

Subject: Re: Upp application and CPU on Linux
Posted by tojocky on Thu, 01 Apr 2010 18:22:51 GMT
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Hello!

It is not true!

I compiled GoogleTranslatorDemo from bazaar that uses global shortcut with scanning in every 0.1 second the keyboard and it works perfectly an eat 0% on running.

I use Ubuntu 9.10.

Regards, Ion Lupascu (tojocky).

lokki wrote on Thu, 01 April 2010 15:09Hello,

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Subject: Re: Upp application and CPU on Linux
Posted by mirek on Fri, 02 Apr 2010 08:37:50 GMT
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lokki wrote on Thu, 01 April 2010 08:09
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It is possible. The reason is that we are doing some stuff each 20ms. But it is the same in Win32.

Subject: Re: Upp application and CPU on Linux
Posted by nlneilson on Sat, 03 Apr 2010 19:20:26 GMT
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That is odd your CPU usage is higher.
You should be able to open several instances of your app.
I just opened 20 instances of an app made with Upp
http://www.nlneilson.com/apps/Distance.exe

All for 20 instances
dual core - Intel

1~2% CPU, the same as if they were not opened on Vista.
On Ubuntu 10.04b it's ~30% but that is an .exe opened with Wine.
single core - AMD
XP 0%
Ubuntu 9.10 ~20% with Wine but ~10% with none opened.

Subject: Re: Upp application and CPU on Linux
Posted by Mindtraveller on Mon, 12 Apr 2010 14:30:36 GMT
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luzr wrote on Fri, 02 April 2010 12:37we are doing some stuff each 20ms. Is it all about posting callbacks and timers? If it is so, is there a possibility to disable this thing (i.e. if I want to switch to MtAlt instead of doing some job each 20 ms)?

Subject: Re: Upp application and CPU on Linux
Posted by mirek on Mon, 12 Apr 2010 16:50:45 GMT
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Mindtraveller wrote on Mon, 12 April 2010 10:30luzr wrote on Fri, 02 April 2010 12:37we are doing some stuff each 20ms. Is it all about posting callbacks and timers? If it is so, is there a possibility to disable this thing (i.e. if I want to switch to MtAlt instead of doing some job each 20 ms)?

Unlikely - most of it is cursor animation, tooltip checking etc... Things that are not possible to be done any other way.

That said, involved code is really minimal.