Subject: Re: How to do fast Append & scroll in LineEdit with MT?
Posted by cbpporter on Tue, 22 Dec 2015 13:03:35 GMT

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Didier wrote on Mon, 21 December 2015 20:15Hi cbporter,

I may be wrong, but It looks like you are trying to display every single update while you also want quick display.
Maybe you should disconnect display frequency from update frequency by appending all text adds in between two displays in one big text update (if this is possible with you're needs of corse)

I did something close to this when managing undo stack in my GraphCtrl : when doing quick zooming or panning (less than 300ms in between two actions), I append all actions in order to make one final undo action.

Hope this helps

Hi Didier,

Sure, the final solution will probably cache the updates and only call it every N ms, but it still does not hurt to investigate the overall performance. Here is some valuable findings: they way TheIDE does it is 4+ times slower than my old solution.

And quite honestly, the performance of LineEdit is downright random. As an example, this is the shortest solution I found:

edtPane.Insert(edtPane.Total(), str); // I added a test getter for total

This executes in 1.4 seconds.

But this:
edtPane.Insert(edtPane.Total(), str);
edtPane.ScrollEnd();

Executes in 300 ms. Without any caching. And has the advantage of scrolling the LineEdit to the end. This solution is 36 times faster than the one inspired from TheIDE/Console.