

## Wt - Bug #3504

### WCartesianChart Firefox V29/V30 CPU usage problem when using PointSeries with more than 500 entries

07/23/2014 05:56 PM - Stefan Ruppert

<b>Status:</b>	Closed	<b>Start date:</b>	07/23/2014
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	Koen Deforche	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	3.3.4		
<b>Description</b>			
<p>Hi,</p> <p>when using PointSeries with some thousands of entries Firefox V29/V30 (under linux) slows down and for about 1-5 seconds is at 100% CPU usage. Within this time firefox does not react on any input mouse/keyboard, even the menu bar does not work.</p> <p>Attached you will find a TestApp which creates a WCartesianChart with around 6000 entries. Using this chart with LineSeries the response time of Firefox is ok!</p> <p>With Google Chrome PointSeries has also a good response time!</p> <p>I have implemented a zoom function by using the mouse wheel of the chart will easily show the problem!</p> <p>Regards,</p> <p>Stefan</p>			

#### History

##### #1 - 07/29/2014 07:19 PM - Koen Deforche

- Status changed from New to Feedback
- Assignee set to Koen Deforche

Hey,

I believe it is a bug specific for Firefox/Linux. Firefox/Windows and Firefox/Mac (same versions) do not suffer from this problem. The only workaround I could find is to remove shadow.

Regards,

koen

##### #2 - 07/30/2014 03:07 PM - Stefan Ruppert

Hi Koen,

thanks for investigating this problem. For now I'll disable the shadow effect for point series.

What about a general zoom functionality as implemented in the TestGraph? The only thing which is missing from my point of view is calculating automatically new Y-Axis range based on the new X-Axis range. I didn't find/understand the auto range calculation in the current implementation...

Regards,

Stefan

##### #3 - 08/05/2014 12:22 PM - Koen Deforche

Hey,

By default the Y axis range will be automatically adjusted to the data that is available. So if you adjust the X axis range, the Y axis range will be recomputed.

I suppose then that's not what you're seeing or want?

Regards,

koen

**#4 - 08/05/2014 01:30 PM - Stefan Ruppert**

Hi,

ok, then its a bug :-/ If I set a new X range using `WCartesianChart::axis(XAxis).setRange(min, max)`, the Y axis min/max is not changed. You can verify this, be zooming into the green values on the right side using the mouse wheel of the test app!

Regards,

Stefan

**#5 - 08/05/2014 01:33 PM - Stefan Ruppert**

Hi,

Stefan Ruppert wrote:

Hi Koen,

thanks for investigating this problem. For now I'll disable the shadow effect for point series.

yesterday I played a little bit more with this problem and it is not so easy. Even if I disable the shadow firefox slows down dramatically. Also BarSeries seems to have this issue... Do you have a channel to mozilla to address such problems?

Regards,

Stefan

**#6 - 08/05/2014 01:48 PM - Koen Deforche**

Hey,

I did make some changes, which I still need to push.

Regards,

koen

**#7 - 10/14/2014 03:18 PM - Koen Deforche**

- Status changed from *Feedback* to *Resolved*

- Target version set to 3.3.4

**#8 - 10/22/2014 02:27 AM - Koen Deforche**

- Status changed from *Resolved* to *Closed*

**Files**

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TestGraphApp.cc	10.3 KB	07/23/2014	Stefan Ruppert
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