

Regarding the hardware counter data

5 messages

Sayef Azad Sakin <sayefsakin@email.arizona.edu>

To: phylanx@stellar-group.org

Wed, Jul 29, 2020 at 1:30 PM

Hi Everyone,

In the OTF2 file, we have counter data for multiple hardware threads but are currently only showing one in the line charts for each counter. We have two questions to improve this:

1. What hardware threads would you want to see when asking for a counter chart? (e.g, all at once, select by hardware thread, show the max value?)
2. What would you like to "do" with this chart? (e.g., scan it looking for anomalies, jump to peaks, filter out hw threads?)

Thanks,
Sayef

Kevin Huck <khuck@cs.uoregon.edu>

To: Sayef Azad Sakin <sayefsakin@email.arizona.edu>

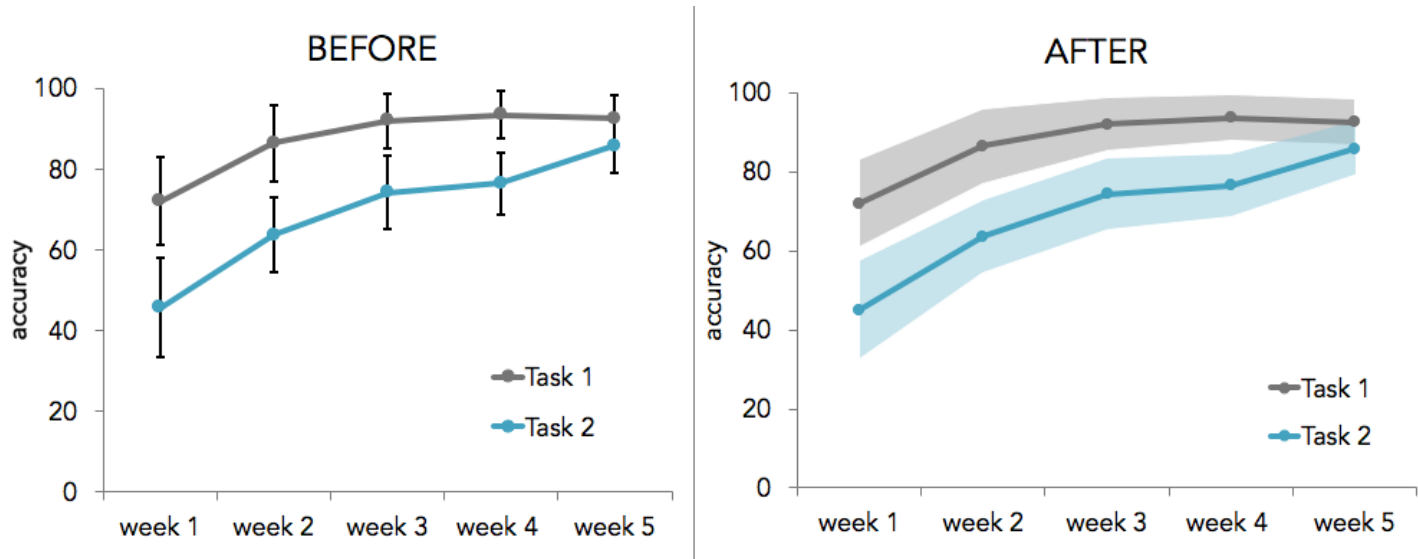
Cc: phylanx@stellar-group.org

Fri, Jul 31, 2020 at 11:49 AM

External Email

Sayef -

1) It would be nice to see min/mean/max/stddev as a band chart (the band extents are the min and max, the mean would be a line with error bars showing stddev on either side of the line). Kind of like a combination of these two charts (ignore the before/after text, I was just looking for visual examples):



2) If you can get 1) working, I think the users' eye will be drawn to the interesting values...for a start at least.

Thanks!
Kevin

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[Quoted text hidden]

Phylanx mailing list
Phylanx@stellar-group.org
<https://mail.cct.lsu.edu/mailman/listinfo/phylanx>

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Sayef Azad Sakin <sayefsakin@email.arizona.edu>Fri, Jul 31, 2020 at 12:38 PM

To: Kevin Huck <khuck@cs.uoregon.edu>

Thank you very much. That is very helpful. I'll have a chat with our team here about it and try to design something close to the picture on the right.

-- Sayef
[Quoted text hidden]

ct clmsn <ct.clmsn@gmail.com>Fri, Jul 31, 2020 at 3:37 PM

To: Kevin Huck <khuck@cs.uoregon.edu>

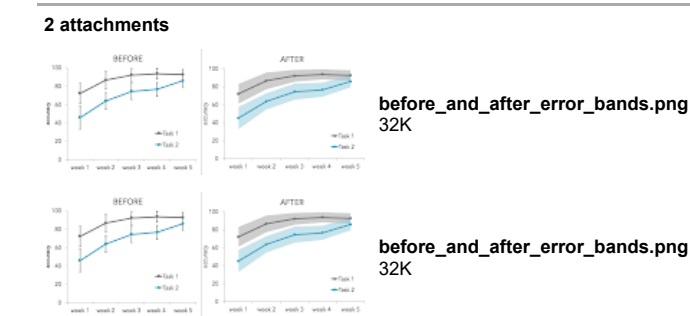
Cc: Sayef Azad Sakin <sayefsakin@email.arizona.edu>, Phylanx Project <phylanx@stellar-group.org>

External Email

+1

Kevin, 1 or 2 stdev? Would you want a couple of these rolling stats presented as overlays or separate views?

ct
[Quoted text hidden]



Kevin Huck <khuck@cs.uoregon.edu>Fri, Jul 31, 2020 at 3:40 PM

To: Chris Taylor <ct.clmsn@gmail.com>

Cc: Sayef Azad Sakin <sayefsakin@email.arizona.edu>, Phylanx Project <phylanx@stellar-group.org>

External Email

Just 1 stdddev (one d or two? Ha) on either side of the line

I would like them overlaid - the band would be the limits, and the bars would show where the mean and measurements near the mean lie...

Kevin

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<before_and_after_error_bands.png><before_and_after_error_bands.png>

[Quoted text hidden]