



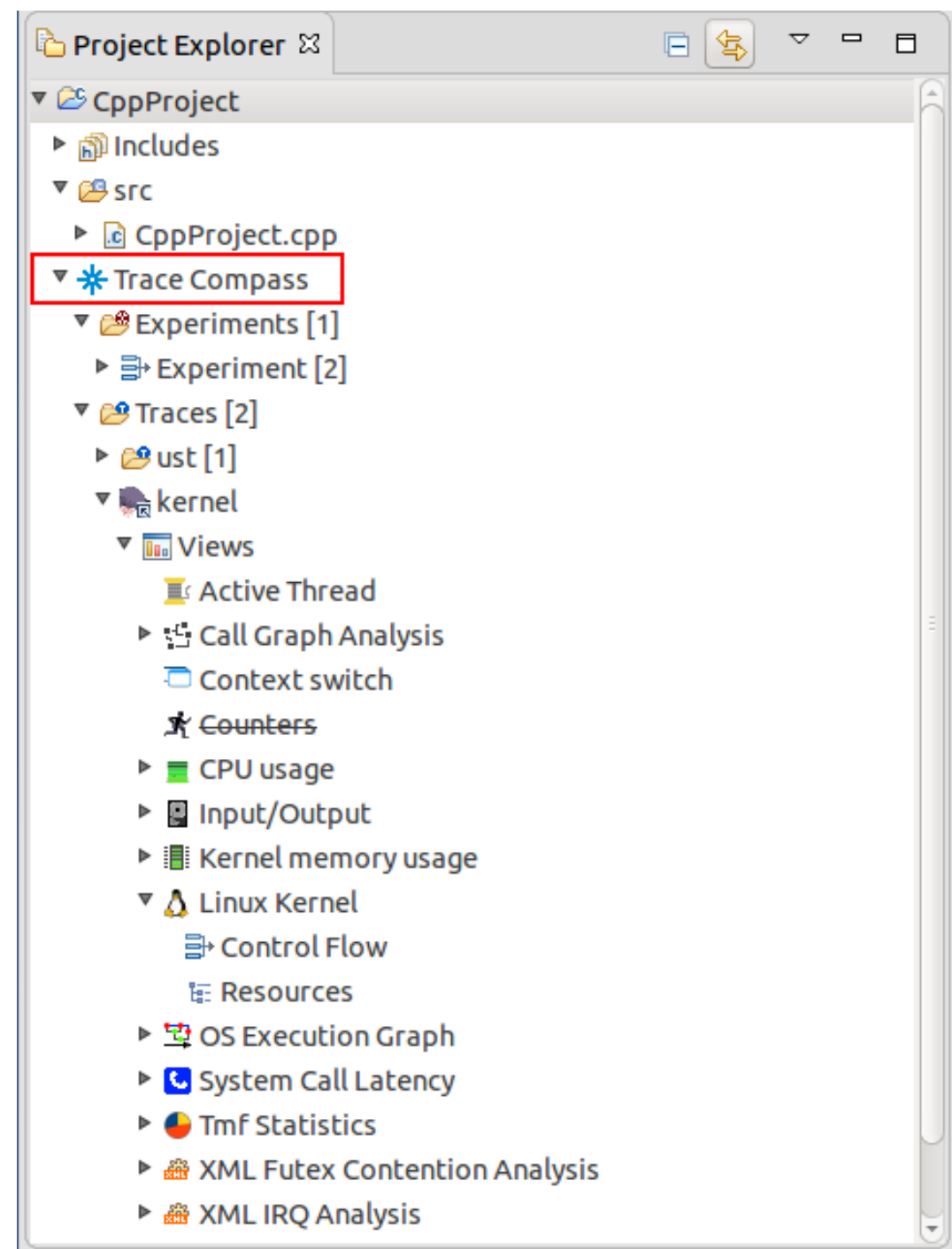
Progress Report Meeting

December 7th 2017

Project Nature

Make an existing C/C++, Java project in Eclipse a Tracing Project

“The most exciting new feature in Trace Compass this year” - Matthew Khouzam @DavisTurlis

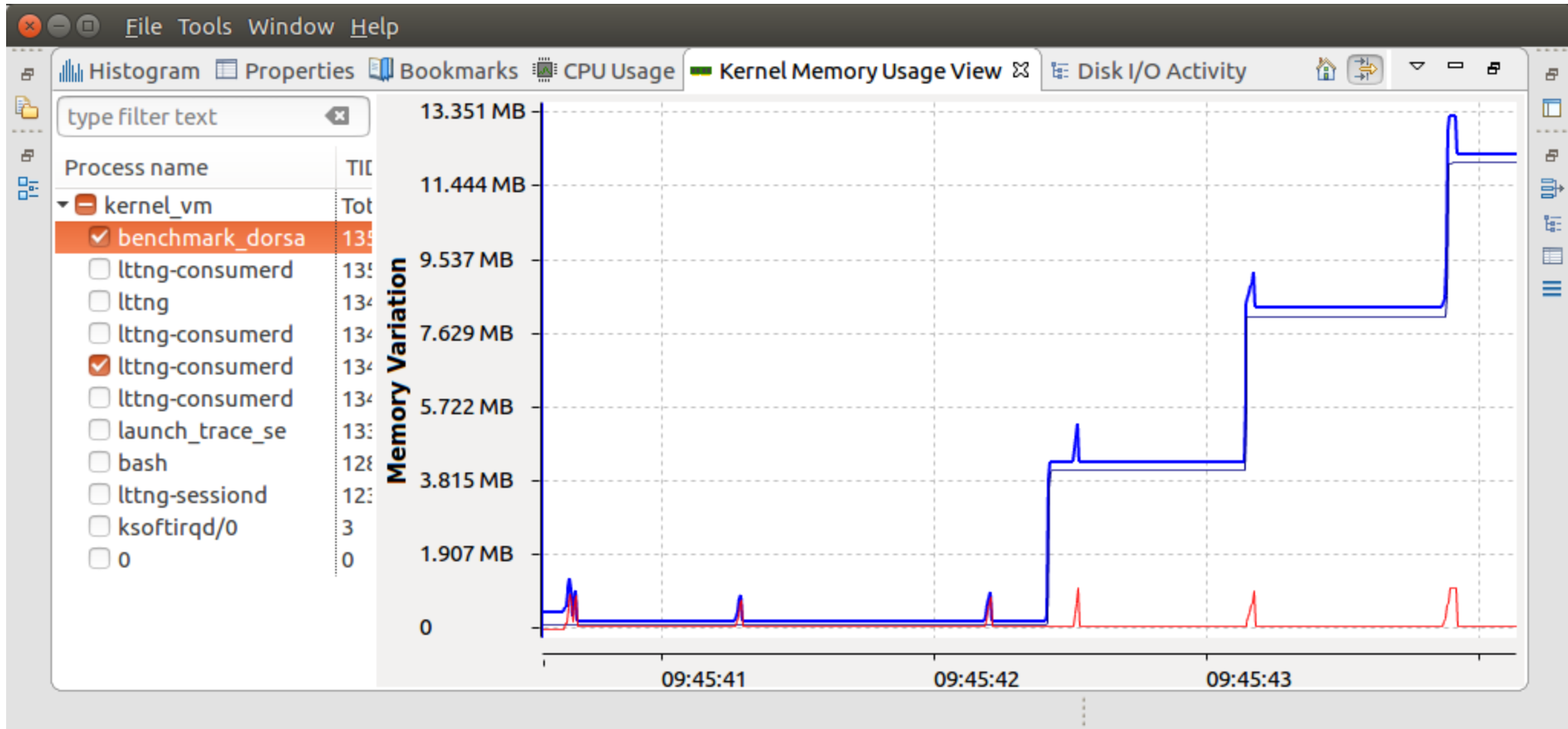


Performance Improvements



- › Virtual Time Graph Views
 - Only the visible data is queried
 - Only the visible data is rendered
- › Enhanced State History
 - Scales to 1 million + attributes
 - Occupies less than half the disk space
 - Performance *=10 since last meeting

Improved XY View UX

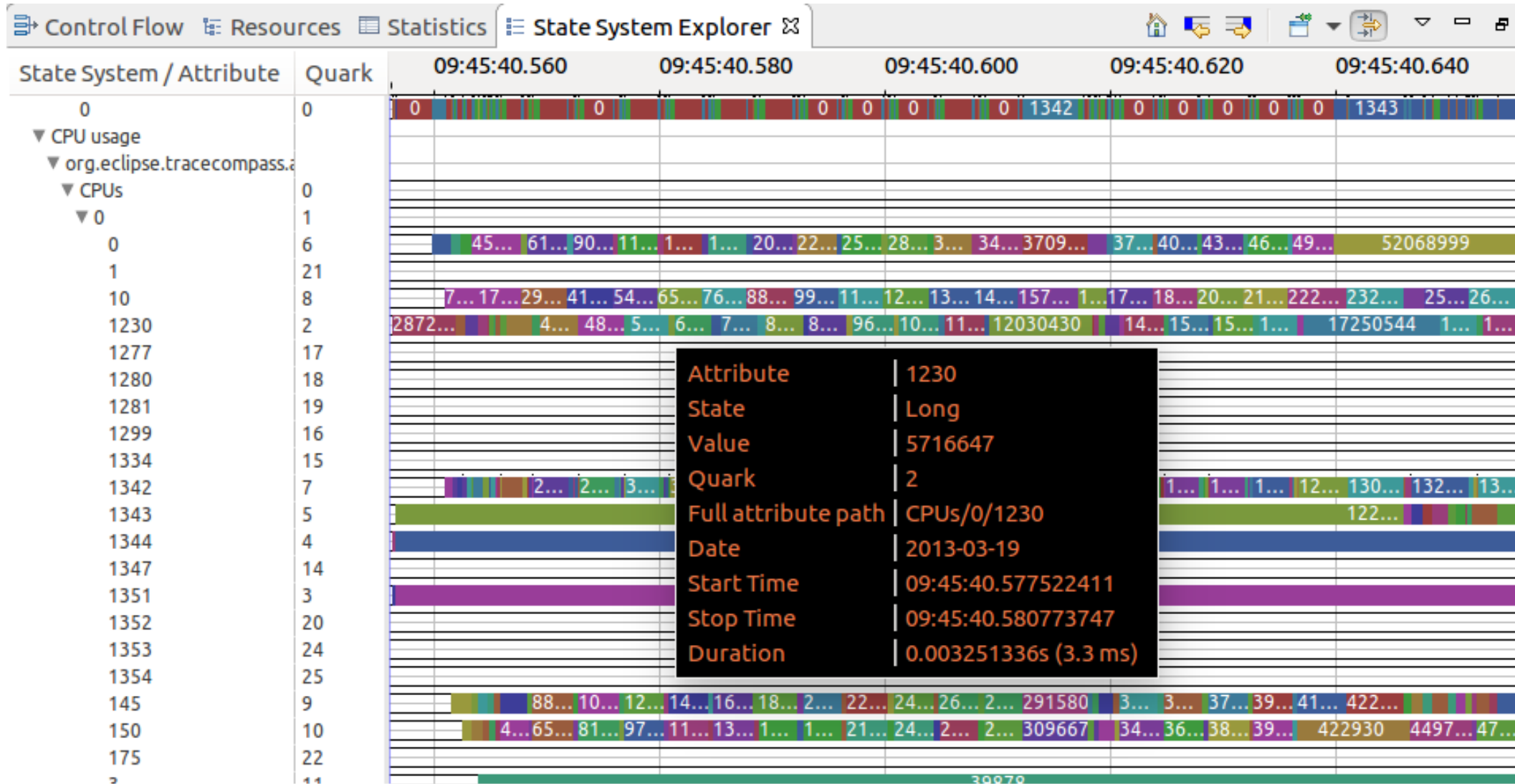




Improved XY View UX

- › Cpu Usage View
- › UST Memory Usage View
- › Kernel Memory Usage View
- › Disk IO Analysis View
- › XML XY View
- › New Histogram View
- › Export as PNG
- › Tree
 - Checkbox
 - Refreshes during analysis
 - Supports Experiments
 - Legend
 - Search via regex
- › Tooltips
- › Time Axis: reset

State System Explorer



Client Server



REST API: OpenAPI/Swagger

<https://git.eclipse.org/r/#/c/103719>

API will go in the theia github (soon).

REST Server: incubator, prototype with Jersey, Jackson

Demo of some HTTP rest queries with Postman.

REST Client: XY View in Trace Compass.



ERICSSON