

SC13 BOF Report

Eclipse Parallel Tools Platform (PTP)

Birds of a Feather meeting, Tuesday November 18, 2013

Colorado Convention Center, Denver CO

Overview: PTP is a set of integrated development tools based on the Eclipse software development platform. PTP includes tools for editing, analyzing, running, monitoring, and debugging parallel applications, with special features for C/C++, Fortran, MPI, OpenMP, UPC, OpenACC, etc. See <http://eclipse.org/ptp> for details on free downloads, tutorials, how to get involved in the PTP community, etc.

The SC13 PTP BOF consisted of a number of presentations and demos covering the status of PTP development, recent work that has been undertaken, and work that is planned for the coming year. Slides of the presentations, and/or overviews of live demos given, are available at

https://wiki.eclipse.org/PTP/meetings/PTP_BOF_SC13.

A survey was also distributed to attendees to solicit information about existing development environment and activities, as well as feedback on the use of PTP for application development. Results of the survey will be posted to the PTP wiki.

The presentations and demos included:

1. Greg Watson (IBM), PTP project lead, summarized the past year of PTP development and releases, showed a timeline of PTP releases, and discussed future development plans
2. Beth Tibbitts gave an overview of PTP features
3. Wyatt Spear (U.Oregon) showed PTP features for launching TAU analysis and the generalized framework
4. Wolfgang Frings (Juelich Supercomputing Center) showed recent and planned developments in the monitoring of parallel applications via the System Monitoring Perspective
5. Steve Brandt (LSU) demonstrated work that integrates Eclipse and PTP with a Terminal view inside the IDE, making command line and IDE interaction with a remote project interchangeable.

In the remaining time, a discussion about various future activities was held. In particular, following the success of an initial Hackathon held in conjunction with the PTP User/Developer workshop, it was decided to organize a second Hackathon in early 2014 to be sponsored by NSCA and LSU.

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