



Meeting of the Technical Steering Committee (TSC) Board

Wednesday, February 13th, 2019
11:00am ET

Meeting Logistics

- <https://zoom.us/j/556149142>
- United States : +1 (646) 558-8656
 - Meeting ID: 556 149 142

Antitrust Policy Notice

- Linux Foundation meetings involve participation by industry competitors, and it is the intention of the Linux Foundation to conduct all of its activities in accordance with applicable antitrust and competition laws. It is therefore extremely important that attendees adhere to meeting agendas, and be aware of, and not participate in, any activities that are prohibited under applicable US state, federal or foreign antitrust and competition laws.
- Examples of types of actions that are prohibited at Linux Foundation meetings and in connection with Linux Foundation activities are described in the Linux Foundation Antitrust Policy available at <http://www.linuxfoundation.org/antitrust-policy>. If you have questions about these matters, please contact your company counsel, or if you are a member of the Linux Foundation, feel free to contact Andrew Updegrave of the firm of Gesmer Updegrave LLP, which provides legal counsel to the Linux Foundation.

Agenda

- MPICH 3.3
 - following up on presentation /discussion last time
 - have updated our ohpc build in 1.3.7 branch to use new CH4 device layer implementation
 - builds enabled, CI testing next...
- Reminder on upcoming submission deadlines:
 - PEARC'19 tutorial (Feb20) - any volunteers?
 - ISC'19 BoF (Feb 20) - submitted starting placeholder
- Review Cycle #8
- Continued our discussion on next major distro versions:
 - SLE12
 - RHEL8/CentOS8
- FOSDEM'19 Presentation report (Adrian)

ISC'19 BoF

- Submitted a version earlier today
 - kept same general format as before (went with 40% presentation)
 - there is a new section this year....making BoF interactive

Description of concept for making ther BoF interactive

Description of concept for making ther BoF interactive (Maximum 150 words)

150 words

A primary motivation for the BoF session is to gain feedback from existing and potential users on various elements of the OpenHPC stack and companion installation recipes. The Technical Steering Committee for the project also appreciates suggestions and guidance to help prioritize future work and directions. To maximize information sharing and interactivity, we have adopted a format which has worked well in the past which begins by first highlighting the major recent changes and developments in the stack that have occurred over the last 12 months. This helps to ensure attendees are aware of any recent changes and we provide technical details regarding their implementation and motivation for the work. We then transition to an open discussion with attendees where we field questions and foster dialogue amongst attendees. In the past, attendees questions and feedback drives the direction of the open discussion, although we also create seed questions in advance.

//

ISC'19 BoF (cont)

- Preferred Topic Areas and Keywords?

Topic Area

Please select the topic area(s) your BoF belongs to:

select: [all](#) · [none](#)

- Architectures, Networks & Infrastructure
- Data, Storage & Visualization
- HPC Applications
- HPC Algorithms
- Programming Models & Systems Software
- Artificial Intelligence and Machine Learning
- Performance Modeling & Measurement
- Emerging Technologies
- Other:

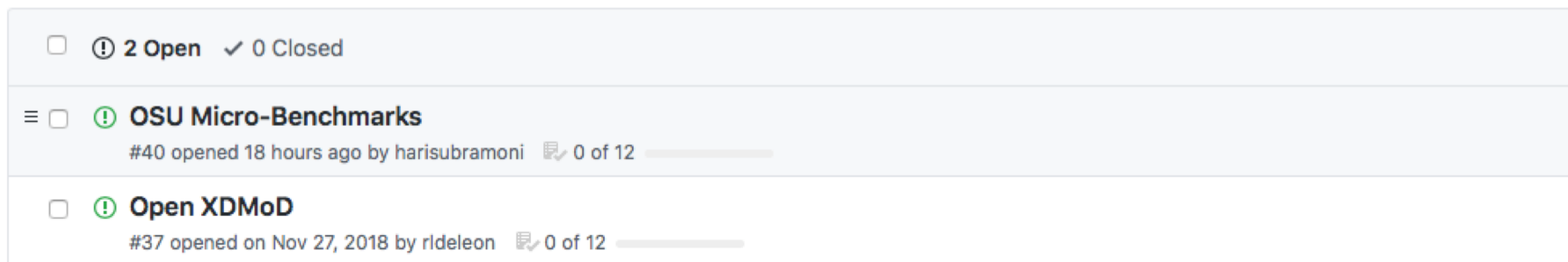
Keywords

Please select a total of at least 1 and at most 5 keywords that best describe your submission. We also use the keywords for tagging the ISC High Performance 2019 online conference program.

Keywords

- | | |
|---|---|
| <input type="checkbox"/> AI/Machine Learning/Deep Learning | <input type="checkbox"/> Molecular Research |
| <input type="checkbox"/> Autonomous Driving | <input type="checkbox"/> MPI |
| <input type="checkbox"/> Big Data Analytics | <input type="checkbox"/> Networks |
| <input type="checkbox"/> Brain Simulations | <input type="checkbox"/> Neuromorphic Systems |
| <input type="checkbox"/> Clouds and Distributed Computing | <input type="checkbox"/> Parallel Algorithms |
| <input type="checkbox"/> Communication Optimization | <input checked="" type="checkbox"/> Parallel Applications |
| <input type="checkbox"/> Compilers | <input checked="" type="checkbox"/> Performance Analysis and Optimization |
| <input type="checkbox"/> Computer Architecture | <input checked="" type="checkbox"/> Performance Tools |
| <input type="checkbox"/> Containerized HPC | <input type="checkbox"/> Personalized Medicine |
| <input type="checkbox"/> Cyber Security | <input type="checkbox"/> Post Moore's Law Computing |
| <input type="checkbox"/> Education and Training | <input type="checkbox"/> Programming Models & Languages |
| <input type="checkbox"/> Energy consumption | <input type="checkbox"/> Quantum Computing |
| <input type="checkbox"/> Exascale Systems | <input type="checkbox"/> Reliability |
| <input type="checkbox"/> Extreme-Scale Computing | <input type="checkbox"/> Reproducibility |
| <input type="checkbox"/> File Systems | <input type="checkbox"/> Resiliency |
| <input type="checkbox"/> Graph Algorithms | <input type="checkbox"/> Scheduling |
| <input type="checkbox"/> Heterogeneous Systems | <input checked="" type="checkbox"/> Scientific Software Development |
| <input type="checkbox"/> HPC Accelerators | <input type="checkbox"/> Storage Technologies |
| <input type="checkbox"/> HPC Centre Planning and Operations | <input checked="" type="checkbox"/> System Software & Runtime Systems |
| <input type="checkbox"/> HPC workflows | <input type="checkbox"/> Visualization & Virtual Reality |
| <input type="checkbox"/> Math Library Design | |

Review Cycle #8



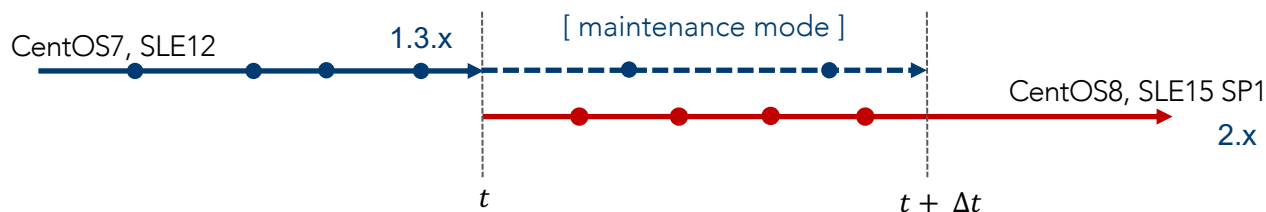
The screenshot shows a Jira issue tracker interface. At the top, there is a summary bar with a checkbox, an information icon, and the text "2 Open" and "0 Closed". Below this, there are two issue cards. The first card is for "OSU Micro-Benchmarks" (issue #40), opened 18 hours ago by harisubramoni, with 0 of 12 votes. The second card is for "Open XDMoD" (issue #37), opened on Nov 27, 2018 by rldoleon, with 0 of 12 votes.

- We received a total of 2 new requests for the current cycle
- Recall that we need a minimum of 5 reviews:
 - Site reps (Chris S, Derek, Eric)
 - Comp. development reps (Jeff)
 - Karl
 - At least two more volunteers?
- Proposed reviewer deadline: **Friday, March 1st**
- Have updated the next submission deadline on submission site to be: **April 5th, 2018**

Next major distro versions

(continued from last time, this time with a proposal)

Option #2



- A **Proposal** for starting convention when we roll out ohpc v1.4 to support newer major distro versions:
 - Once we release a new major branch (e.g. v2.x) which supports a newer major distro version at time t , we restrict any updates to previous branch (e.g. v1.3.x) to only include:
 - security patches (e.g. address known CVEs)
 - significant bugs affecting functionality
 - ie, 1.3.x goes into **maintenance mode**
 - release cadence for branch in maintenance mode expected to be reduced and not required to coincide with releases on latest branch
 - component additions, version updates, new compiler and MPI variants are **only** landed on latest branch
 - older branch stays in maintenance mode for $\Delta t = 1$ year