



Meeting of the Technical Steering Committee (TSC) Board

Wednesday, October 23rd, 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

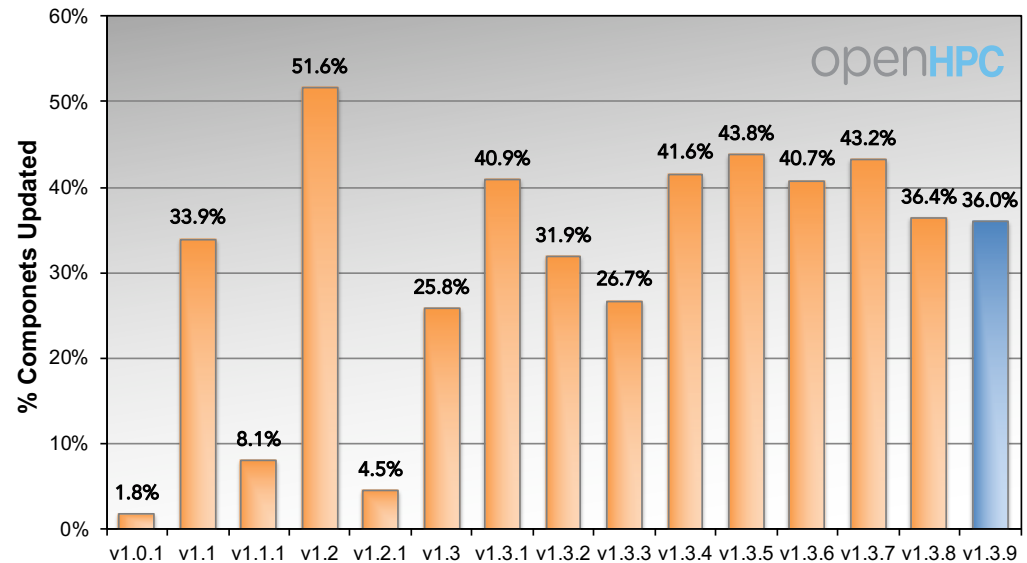
- Linux Foundation meetings involve participation by industry competitors, and it is the intention of the Linux Foundation to conduct all of its activities in accordance with applicable antitrust and competition laws. It is therefore extremely important that attendees adhere to meeting agendas, and be 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

- LF Workshop reminder
 - [Practical OpenHPC Workshop](#), Open Source Summit - Europe, Oct. 30 (Adrian/Chris)
- SC'19 Event Reminders:
 - *Tutorial: "Using Charliecloud to Deploy a Containerized TensorFlow Workflow on a secure HPC system with an OpenHPC Software Stack", Nov. 16 (David B.), Intel HPC Devcon*
 - *OpenHPC Panel - One Intel Station, Nov. 19 (12:50pm-1:30pm)*
 - OpenHPC BoF, Wednesday, November 20, 12:15pm-1:15pm, Room: 601-603
 - OpenHPC Happy Hour, Wednesday, November 20, 5-7pm, Otra Vez Cantina
 - Booth sign-up sheet now available:
 - <https://docs.google.com/spreadsheets/d/1AGsp6PLuq7Sioa0FvrzoEJplhO3HEC1bjtUM4ew1tGc/edit?usp=sharing>
- 1.3.9 progress
- Discussion points for 2.0 at SC'19
- Overview of EC2 deployments in support of upcoming LF workshop (Adrian)

1.3.9 Progress

- Expecting roughly similar percentage of software updates as last release
- Majority of builds are done
- Some observed issues:
 - Lustre with CentOS7.7 (build)
 - kernel not directly supported in starting release (v2.21.2)
 - supposed to be included with v2.12.3 release -
 - update: just released on Oct. 21
 - mpi4py w/ python3 (build on centos7.7)
 - OpenCoarrays with latest MVAPICH2 (execution)
 - seeing memory issues at job launch (both slurm/pbs)
 - Dimemas (execution)
 - SLEPc (execution)
 - segfault running f77 eigensystem (multiple MPI variants)



*expect to be able to roll out
v1.3.9 release upstream of SC'19*

2.0 Discussion at BoF

- For BoF, assuming we will do our usual to highlight changes over the last year and latest v1.3.9 release
- Then, mention that 2.0 is coming with updated major distro versions
 - Leap 15.1, CentOS 8.0
 - target availability by end of year (perhaps tech preview if necessary)
- Items to highlight for 2.0:
 - maintenance mode on 1.3.x branch
 - Q: on mailing list, what about SLES12SP5 due out in December?
 - switch to SLURM 19.x (also a question on mailing list)
 - base gcc variant -> gcc9
 - base OpenMPI variant -> openmpi4
 - base MPICH -> CH4 device layer
 - ARM HPC package builds
 - updated packaging to enable customized (local) builds - e.g. add additional architecture specific compiler optimizations
 - updated llvm toolsuite (clang/clang++, flang replacement, etc)
 - package repository location changing

EC2 cluster deployment for training (Adrian/Chris)