Meeting of the Technical Steering Committee (TSC) Board

Wednesday, December 4th, 2019
11:00am ET

Meeting Logistics

- https://zoom.us/j/556149142

- United States : +1 (646) 558-8656
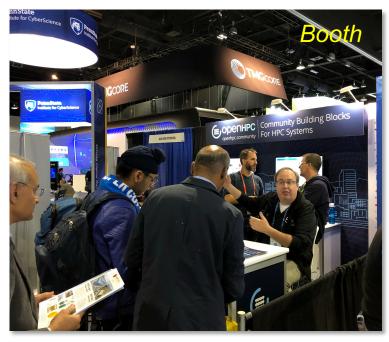   - Meeting ID: 556 149 142

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Agenda

- SC'19 Post Mortem

- Upcoming deadlines

- 2.0 reminder

Booth

BoF Session

SC19 - Post Mortem

- Huge thanks to everyone who helped at the booth, BoF, cadre of presentations/panels, and contributions to get v1.3.9 released!

- Booth:
  - seemed like recently decent attendance this year
  - updated 2-page flyer format thanks to Neil and LF
    - overview seems helpful, most people seem to grok what we're up to with that
  - lego's with ski theme and partner scavenger hunt seemed good

- BoF Session:
  - roughly similar crowd size as last year: estimate ~70 attendees
  - room was huge
  - slides are posted on OpenHPC wiki (let me know if you need access to raw google slides)
  - use of meet.ps live audience collaboration tool seemed to go over well
    - assume we will want to continue to use this going forward
    - maybe add polling for questions we would like to pose in advance

- Happy Hour:
  - smaller attendance than pre-registration count by ~2X
  - some users who had never interacted with before

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SC19 - BoF Interactive Session

- 16 questions submitted thru the online tool (we got through all but 1)
- 11 unique submitters

List of Questions (1 of 2)
Are you thinking to implement some AI features?
Can you talk about what it means to be a "member"?
Will major versions always be tied to major OS updates?
Are there any consumers of OpenHPC willing to speak to their experience in using the platform for sensitive data? (HIPPA, NIST, etc)
How can one assist with the OpenHPC project, in general? For a sysadmin, for a developer, etc.?
How likely/easy would it be to make an OpenHPC cluster mixed of Intel and ARM nodes?
Are there any plans to support other authentication systems like openIPA more easily?
Any success stories of NFS over RDMA on Infiniband interconnects on OpenHPC clusters?

SC19 - BoF Interactive Session

List of Questions (2 of 2)

I'm having trouble finding the OpenHPC tutorials from PEARC19. Would you mind sharing that link or the slide deck for this presentation? Thanks.

What are the requirements for donated hardware? Exclusive access or can it be shared part time?

What does the relationship with warewulf development look like with the OpenHPC foundation? Are there plans to increase involvement?

As you increase the number of recipes, isn't there a dilution of testing resources? Doesn't it make things harder to develop for and maintain?

What is the relationship between e4s.io and OpenHPC?

Can you show the info again re: social meetup

We have been using OpenHPC environments deployed on OpenStack infrastructure for a couple of years now. Are there other people doing this?

Is anyone interested in using Puppet to deploy and manage their OpenHPC systems? If so, could we talk about that?

SC19 - Post Mortem

- Other comments?

  - suggestions for change while it is fresh in your mind.....?

  - for folks who were users that came by, we asked several of them if they had registered their systems...

    - we got 6 registrants during SC and following week:
      - South Dakota State University
      - CBGP
      - Stanford Research Computing Center
      - College of Charleston
      - Florida Atlantic University
      - Binghamton University

    - perhaps consider a targeted giveaway for those who register their systems at the conference?

Upcoming Deadlines

- PEARC'20 (Portland, OR - July 26-30, 2020)
    - Tutorial: **January 20, 2020**
    - Technical Paper: **January 22, 2020**

- ISC'20 (Frankfurt, June 21-25, 2020)
    - Tutorial: Submissions will be accepted through **February 12, 2020**
    - BoFs: Submissions will be accepted through **February 19, 2020.**

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Big Ticket Items in 2.0 Highlighted at BoF

Q1 2020 release target

- Major distro updates:
  - CentOS 8
  - SUSE Leap 15.1
- switch to SLURM 19.x (from 18.x)
- updated base gcc variant -> gcc9 (from gcc8)
- updated OpenMPI variant -> openmpi4 (from openmpi3)
- updated MPICH configuration -> use CH4 device layer
  - should allow inclusion of OpenUCX

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Big Ticket Items in 2.0 Highlighted at BoF

Q1 2020 release target

- ARM HPC package builds:
  - expect to roll out compatibility builds with a forthcoming ARM HPC compiler release
  - will provide compatibility package to support modules *after* ARM HPC compiler is installed locally; similar to approach with Intel toolchain

- Updated llvm toolsuite (clang/clang++, flang replacement)

- Package repository location changing (repos.openhpc.community)

- RPM macro updates to better support localized package rebuild customization

- Mechanism to pre-register installed OpenHPC toolchain(s) for use with EasyBuild