



Meeting of the Technical Steering Committee (TSC) Board

Wednesday, September 5th, 2018
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

- Welcome to the new meeting time
- SC'18 BoF Submission Update:
 - our submission has been accepted
 - BoF program received 126 submissions, accepted 78
 - scheduling details to follow in coming weeks. BOFs will be scheduled in one of five slots: Tuesday lunch or dinner, Wednesday lunch or dinner, or Thursday lunch. (I requested Wed. lunch)
 - planning to have ohpc happy hour on Wed (early evening)
- Presentation
 - Adrian had OpenHPC talk accepted at CentOS Dojo @ CERN
 - Oct. 19: <https://indico.cern.ch/event/727150/timetable/#20181019>
- Hyperion survey
- Linux Foundation tutorial
- Quick update on possible registration of ohpc packages with spack

Linux Foundation Open-Source Summit

- 15 attendees on-site
- 15 NUCs divided into 3-node clusters
 - 5 GigE switches and cables
- ~1 hour lecture, remaining time devoted to install
 - updated version of PEARC tutorial
 - repo's pre-mirrored on SMS nodes (since no external connectivity)
 - CentOS/EPEL
 - OpenHPC v1.3.5
- Attendance dominated by university folks
- Some real-time issues:
 - ntp across nodes
 - input validation

Possible registration of ohpc packages

- Recall from last time that we tried a simple example to register ohpc's autotools package with spack:
 - worked ok if registering via hard-coded paths, did not work when registering via module names
 - followed up with spack developers, identified as a path in module file parsing
 - <https://github.com/spack/spack/issues/9083>
 - tweak in companion PR allows the following to now work to build simple libconfig package

```
packages:
  autoconf:
    modules:
      autoconf arch=linux-centos7-x86_64: autotools
      buildable: False
  automake:
    modules:
      automake arch=linux-centos7-x86_64: autotools
      buildable: False
  libtool:
    modules:
      libtool arch=linux-centos7-x86_64: autotools
      buildable: False
```

- spack implements it's own modulefile parsing currently to detect PATH, LD_LIBRARY_PATH
- not sure yet what happens with modules that 'depend-on' other modules
- Avoid rebuild of existing packages: original build time = 302 secs, updated = 85 secs