



Meeting of the Technical Steering Committee (TSC) Board

Wednesday, February 12th, 2020
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/Updates

- Upcoming deadlines:
 - ISC'20 (Frankfurt, June 21-25, 2020)
 - Tutorial: Submissions accepted through February 12, 2020 (** done**)
 - BoFs: Submissions accepted through February 19, 2020 (** done**)
 - SC'20
 - Tutorials?: Due April 16, 2020 - *Q: do we want to consider this?*
 - BoFs: Due July 31, 2020
- Review #9 component submission review forms sent out
 - asking for completion by Tuesday, February 25th
- OBS updates
- ARM HPC compiler updates
- Summer Internships - potential project ideas....

OBS Updates

- Switched our 2.x config to use **download on-demand** feature for CentOS
 - pulls down necessary dependencies as needed and caches locally
 - removes pointer to build.opensuse.org for CentOS packages

Meta Configuration of CentOS

```
Relevant OBS meta config for CentOS project
```

```
1 <project name="CentOS">
2   <title/>
3   <description/>
4   <person userid="Admin" role="maintainer"/>
5   <build>
6     <disable/>
7   </build>
8   <publish>
9     <disable/>
10  </publish>
11  <repository name="8.1-powertools">
12    <download arch="aarch64" url="http://mirror.centos.org/centos/8.1.1911/PowerTools/aarch64/os/" repotype="rpmmd"/>
13    <download arch="x86_64" url="http://mirror.centos.org/centos/8.1.1911/PowerTools/x86_64/os/" repotype="rpmmd"/>
14    <arch>aarch64</arch>
15    <arch>x86_64</arch>
16  </repository>
17  <repository name="8.1-baseos">
18    <download arch="aarch64" url="http://mirror.centos.org/centos/8.1.1911/BaseOS/aarch64/os/" repotype="rpmmd"/>
19    <download arch="x86_64" url="http://mirror.centos.org/centos/8.1.1911/BaseOS/x86_64/os/" repotype="rpmmd"/>
20    <arch>aarch64</arch>
21    <arch>x86_64</arch>
22  </repository>
23  <repository name="8.1-appstream">
24    <download arch="aarch64" url="http://mirror.centos.org/centos/8.1.1911/AppStream/aarch64/os/" repotype="rpmmd"/>
25    <download arch="x86_64" url="http://mirror.centos.org/centos/8.1.1911/AppStream/x86_64/os/" repotype="rpmmd"/>
26    <arch>aarch64</arch>
27    <arch>x86_64</arch>
28  </repository>
29 </project>
30
```

OBS Updates

- Upstream patches to support ohpc-needed dependency analysis are in progress...
 - have two new patches to try as of this morning that were landed on master obs branch

ARM HPC compiler updates

- Discovered two issues since last TSC meeting while endeavoring to ingest latest ARM HPC compiler variant into our OBS build system
 - post install scriptlets not updated for python changes in RHEL8 (ie. there is no default `/usr/bin/python` in RHEL8)
 - gcc packaging competing with distro version
- Iterating with ARM folks to get updated version
 - expect a new drop this week

Summer Internship - potential projects?

- Would like to brainstorm on 4-8 projects we might like to put forward as options for a student internship:
 1. document and test end-to-end cloud recipe on one at least one cloud service provider
 2. design add-on documentation for additional services
 - e.g. how to integrate with existing LDAP server or AD?
 - what's new with centos8/leap15?
 - security advise for securing your head node; selinux, etc...
 - Jupyter notebooks (support with a workload manager)
 - Open OnDemand
 - UseGalaxy.org
 - document provisioning of a management node to support variety of add-on services?
 - document provisioning of a login node
 - TSC to potentially devise review mechanism to promote documentation
 - high availability of head node with corosync/pacemaker
 3. add performance testing subcomponent to ohpc test harness
 - cache performance results of key benchmarks, kernels, common applications
 - method for publishing results
 4. design add-on documentation/testing for adding several ML frameworks
 5. How to build/deploy/execute containers within your snazzy openhpc cluster
 6. Documentation around how to do a customized rebuild of existing ohpc package or add your own package
 7. Multi arch cluster documentation
 8. Documentation on extending local cluster packages with Spack/EasyBuild