

# Meeting of the Technical Steering Committee (TSC) Board

Wednesday, November 18<sup>th</sup>, 2020 11:00am FT

### Meeting Logistics

https://zoom.us/j/556149142

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

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  Gesmer Updegrove LLP, which provides legal counsel to the Linux
  Foundation.

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### Agenda/Updates

- SC'20 Events
  - Last week:
    - Cloud tutorial (11/10) David, Chris S./Chris D., Derek, Nirmala, Karl
    - HPCSYSPROS20 Workshop (11/13) Reese
    - ARM HPC User's Group (11/9) Karl
  - This week:
    - OpenHPC has a virtual booth
    - dedicated #sc20 channel in slack we might get some questions there
- Cloud working group (csim)
- 3<sup>rd</sup> party efforts (wiki update)
- CernVM-FS
- CentOS Stream issue

# OHPC Cloud Working Group Updates

- SC tutorial presented last week
  - Hit a peak of 115 attendees during first broadcast
  - 37 of 38 AWS "accounts" were at least redeemed
  - The conference interface was ... problematic
  - Timing of the event was correct; much better than PEARC20
  - The change away from the Cloud9 IDE to dedicated EC2 instances worked well
- Next steps
  - Small project to design/implement "the perfect" OHPC tutorial cluster
  - Decide what the next evolution of our tutorials look like for next year
  - Start working on a Cloud recipe for formal release
    - First thing to address is "Cloud CI" for testing

### External ohpc-related links

- We talked last time about potentially listing related commercial efforts that leverage openhpc
- Have updated the wiki with a disclaimer and added 3 examples

#### **User Resources**

Karl W. Schulz edited this page now · 16 revisions

#### Official Community Collateral

- · Install Guides for OpenHPC
  - Recipes for installing the latest release of OpenHPC 2.x
- OpenHPC via rsync
  - Instructions for mirroring the OpenHPC repositories with rsync
- OpenHPC Tutorials
  - · Collection of OpenHPC-related tutorials
- · Join OpenHPC on Slack

#### 3rd Party Efforts Leveraging OpenHPC

The links below provide pointers to other community and commercial efforts that make use of OpenHPC. These links are provided as a convenience and are not tested or supported directly by the OpenHPC Linux Foundation project.

#### External installation recipes leveraging OpenHPC

- XSEDE Compatible Basic Cluster
  - Quickstart guide for an OpenHPC-based development cluster using ansible and Virtual Box developed by NSF's Extreme Science and Engineering Discovery Environment
- · Ansible based recipes:
  - Vanilla recipe using Ansible (LANL)
  - · Ansible playbook for OpenHPC (Linaro)
  - OpenHPC Ansible Role (StackHPC)

#### **External Tools:**

- · Cross Platform Provisioning Assembly for Warewulf (Fujitsu)
  - allows creation and assembly of aarch64 images on existing x86\_64 host using containers

#### Commercial offerings leveraging OpenHPC:

- Lenovo Intelligent Computing Orchestration (LiCO)
- Qlustar
- Bright Computing



### Related system

 Heard from John at StackHPC about a top 100 system using Ansible playbook with OpenStack+OpenHPC 2.0



## Related Wiki update

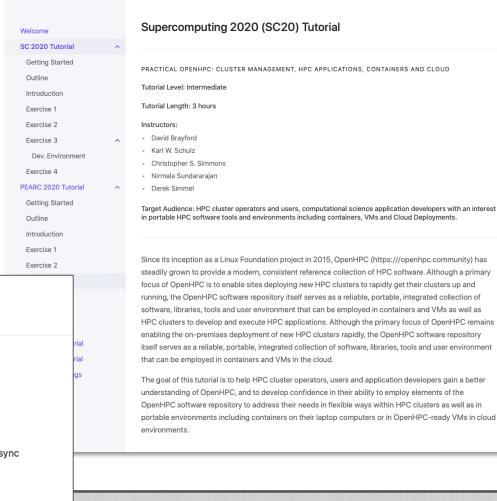
- Tutorials link on User Resources page now refers to the standalone github-pages site we used for PFARC'20 and SC'20 content development
  - perhaps we want a vanity url for this?
    - tutorials.openhpc.community
    - docs.openhpc.community

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**User Resources** 

Official Community Collateral

Install Guides for OpenHPC



Q Search OpenHPC

**■**,openHPC

### https://openhpc.github.io/cloudwg/



OpenHPC on GitHub

### CernVM-FS

- Received a request to discuss potential software addition request for <u>CernVM-FS</u>
- From Kenneth
  - CernVM-FS is a way to easily distribute software installations around the world, through essentially a scalable distributed filesystem that can be mounted anywhere.
  - Used by European Environment for Scientific Software Installations project (<u>EESSI</u>)
  - Used for a long time on grid systems for LHC project at CERN
- Not clear to me yet how they benefit being in ohpc
  - already packaging rpms and have a yum repo
- Anybody have any experience with this utility?
  - planning to meet next Monday am (US)

### CentOS Stream Conflict

- Recent 2.x issue filed regarding use of CentOS Stream repo (#1277)
- We do not enable this optional repo in our tests
- hwloc tied to our slurm build

