Meeting of the Technical Steering Committee (TSC) Board

Wednesday, November 18th, 2020
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/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)
- 3rd party efforts (wiki update)
- CernVM-FS
- CentOS Stream issue

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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

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Related system

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

Related Wiki update

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

- Tutorials link on User Resources page now refers to the standalone github-pages site we used for PEARC'20 and SC'20 content development

  – perhaps we want a vanity url for this?
    - tutorials.openhpc.community
    - docs.openhpc.community

CernVM-FS

- Received a request to discuss potential software addition request for [CernVM-FS](#)

- 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 ([EESSI](#))
  - 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](#1277))

- We do not enable this optional repo in our tests

- hwloc tied to our slurm build