http://openhpc.community

Meeting of the Technical Steering Committee (TSC) Board

Wednesday, November 6th, 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 Event Reminders:
  - Tutorial: "Using Charliecloud to Deploy a Containerized TensorFlow Workflow on a secure HPC system with an OpenHPC Software Stack", Nov. 16 (David B.), Intel HPC Devcon
  - OpenHPC Panel - One Intel Station, Nov. 19 (12:50pm-1:30pm)
  - OpenHPC BoF, Wednesday, November 20, 12:15pm-1:15pm, Room: 601-603
  - OpenHPC Happy Hour, Wednesday, November 20, 5-7pm, Otra Vez Cantina
  - *Anything else?*
  - Booth sign-up sheet now available:
    - https://docs.google.com/spreadsheets/d/1AGsp6PLuq7Sioa0FvrzoEJpIhO3HECIbjtUM4ew1tGc/edit?usp=sharing

- quick 1.3.9 progress update

- BoF Discussion
  - demo from Chris S. on interactive polling
  - discussion on potential questions we might like to ask at BoF interactively

1.3.9 Progress Updates

- Latest Lustre client release mentioned last time enabled build/mount support on CentOS7.7 kernel

- Newer Charliecloud build available (v0.11)
  - Note to David B. - if you are creating the images for your SC workshop with Docker, then converting them to Charliecloud, I believe you shoud be good to go with this version
  - Can execute with "ch-run"

- Other build failures from last meeting are resolved – at the moment, no current failures

- Update on runtime issue with OpenCoarrays and MVAPICH2
  - submitted a reproducer to the Ohio State team
  - received a patch back last night that will queue up for testing

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2.0 Discussion at BoF

- For BoF, assuming we will do our usual to highlight changes over the last year and latest v1.3.9 release

- Then, mention that 2.0 is coming with updated major distro versions
  - Leap 15.1, CentOS 8.0
  - target availability by end of year (perhaps tech preview if necessary)

- Items to highlight for 2.0:
  - maintenance mode on 1.3.x branch
    - Q: on mailing list, what about SLES12SP5 due out in December?
  - switch to SLURM 19.x (also a question on mailing list)
  - base gcc variant -> gcc9
  - base OpenMPI variant -> openmpi4
  - base MPICH -> CH4 device layer
  - ARM HPC package builds
  - updated packaging to enable customized (local) builds - e.g. add additional architecture specific compiler optimizations
  - updated llvm toolsuite (clang/clang++, flang replacement, etc)
  - package repository location changing

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