openHPC
http://openhpc.community

Meeting of the Technical Steering Committee (TSC) Board

Tuesday, November 7th
11:00am ET

Meeting Logistics

- https://www.uberconference.com/jeff_ef

- United States : +1 (510) 224-9559 (No PIN needed).

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Agenda

- SC'17 BoF Reminder
  - Schedule: Wednesday, Nov 15: 12:15-13:15
  - Sent out link to draft slides earlier today, will look at them today
- 1.3.3 release - current status

1.3.3 status

- update SLURM release did drop like we expected on Nov 1
  - has been incorporated in current release work
  - no issues detected
- xCAT recipe resolved
  - small change needed in definition of IPoIB interfaces
  - updated for latest distro release
- based on aarch64/PAPI discussion from last week, updated several dependency builds for aarch to not require PAPI (TAU and Scalasca)
  - CI results are now all good for aarch64
- Warewulf upgrade
  - newer iPXE based Warewulf stored bootstrap images in different path
  - existing users who upgrade the WW packages would have had to regenerate their bootstrap images in order to continue provisioning their system
  - to make that easier, we updated WW packaging to "rebuild" the bootstraps during RPM upgrade if they are not present in new location

1.3.3 status - CI snapshot

wahoo!

1.3.x

OpenHPC CI Infrastructure
Thanks to the Texas Advanced Computing Center (TACC) for hosting support and to Intel, Cavium, and Dell for hardware donations.

add description

1.3 | 1.3.1 | 1.3.2 | **1.3.3** | 1.3.3-flat | All | +

S	Categorized - Job	Last Success	Last Failure	Last Duration	Test Result
	.. » [aarch64]	3 hr 22 min - #48	9 hr 22 min - #47	2 hr 31 min	N/A
	(1.3.3) - (centos7.4,aarch64) (warewulf+slurm) (fabric=eth)	3 hr 22 min - #48	9 hr 22 min - #47	2 hr 31 min	0 of 860 failed (-2)
	(1.3.3) - (sles12sp3,aarch64) (warewulf+slurm) (fabric=eth)	6 hr 50 min - #103	2 days 5 hr - #94	2 hr 29 min	0 of 860 failed (±0)
	.. » [x86_64] - CentOS 7	1 hr 12 min - #11	5 hr 28 min - #10	1 hr 11 min	N/A
	(1.3.3) - (centos7.4,x86_64) (warewulf+pbspro) (fabric=lb) - UEFI	1 hr 19 min - #138	1 day 22 hr - #123	1 hr 1 min	0 of 1,182 failed (±0)
	(1.3.3) - (centos7.4,x86_64) (warewulf+slurm) (fabric=eth)	2 hr 21 min - #246	8 hr 21 min - #243	58 min	0 of 892 failed (±0)
	(1.3.3) - (centos7.4,x86_64) (warewulf+slurm) (fabric=eth) + PMIx	1 hr 31 min - #38	1 day 19 hr - #23	44 min	0 of 608 failed (±0)
	(1.3.3) - (centos7.4,x86_64) (warewulf+slurm) (fabric=ib) + pxse	3 hr 35 min - #167	6 hr 49 min - #166	2 hr 0 min	0 of 2,040 failed (-1)
	(1.3.3) - (centos7.4,x86_64) (warewulf+slurm) (fabric=lb) - tarball REPO	1 hr 12 min - #11	5 hr 28 min - #10	1 hr 11 min	0 of 1,189 failed (±0)
	(1.3.3) - (centos7.4,x86_64) (warewulf+slurm) (fabric=ib) - upgrade	2 hr 28 min - #24	1 day 15 hr - #10	1 hr 16 min	0 of 1,177 failed (±0)
	(1.3.3) - (centos7.4,x86_64) (warewulf+slurm) (fabric=opa) + psxe	2 hr 7 min - #108	4 days 19 hr - #80	2 hr 3 min	0 of 2,030 failed (±0)
	(1.3.3) - (centos7.4,x86_64) (xcat+slurm) (fabric=lb)	2 hr 6 min - #77	4 days 23 hr - #38	1 hr 12 min	0 of 1,182 failed (±0)
	.. » [x86_64] - SLES12	53 min - #11	8 hr 3 min - #54	52 min	N/A
	(1.3.3) - (sles12sp3,x86_64) (warewulf+pbspro) (fabric=lb) - tarball REPO	53 min - #11	9 hr 9 min - #9	52 min	0 of 1,172 failed (±0)
	(1.3.3) - (sles12sp3,x86_64) (warewulf+pbspro) (fabric=lb) - UEFI	3 hr 16 min - #68	9 hr 15 min - #66	51 min	0 of 1,172 failed (±0)
	(1.3.3) - (sles12sp3,x86_64) (warewulf+slurm) (fabric=eth)	1 hr 22 min - #159	2 days 23 hr - #135	52 min	0 of 892 failed (±0)
	(1.3.3) - (sles12sp3,x86_64) (warewulf+slurm) (fabric=ib)	1 hr 39 min - #158	2 days 8 hr - #140	1 hr 0 min	0 of 1,184 failed (±0)
	(1.3.3) - (sles12sp3,x86_64) (warewulf+slurm) (fabric=opa) + psxe	4 hr 5 min - #55	8 hr 3 min - #54	1 hr 45 min	0 of 2,030 failed (-1)

1.3.3 status

- We are pretty close to being able to do the release
  - Tech Preview discussion removed from aarch64 docs
  - CI Results look good
  - need to finalize release notes and work thru release checklist
- Remaining release item for discussion:
  - new Warewulf leverages iPXE for provisioning
  - no issues that we are aware of on aarch64/x86_64 for stateless install
  - however, we provide a tooltip for those who are interested in using WW to install statefully to disk
    - that is not currently working with this newer WW build
    - Reese has posted to mailing list...
  - option 1 (proposed): call out as an item in Release Notes:
    - x86_64 users who are doing stateful would be encouraged to *not* upgrade to latest Warewulf
    - aarch64 users would have to follow recipes for stateless install
  - option2: a possible alternative is to not release an updated WW build for x86_64

SC'17 BoF

- Let's look at draft slides

  https://docs.google.com/presentation/d/1GR1UaCBzu8P4595ZYmODOhXLI0-qMfvxyw2Z03-7b0w/edit?usp=sharing