



Meeting of the Technical Steering Committee (TSC) Board

Wednesday, January 16th, 2019
11:00am ET

Meeting Logistics

- <https://zoom.us/j/556149142>
- United States : +1 (646) 558-8656
 - Meeting ID: 556 149 142

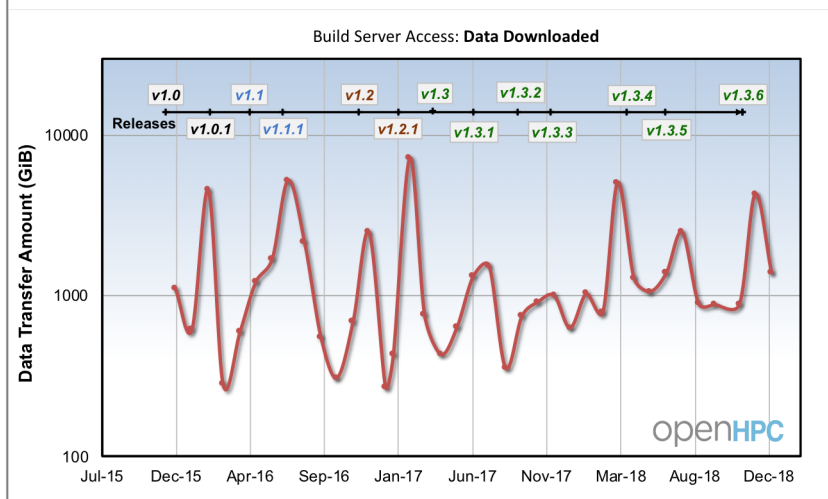
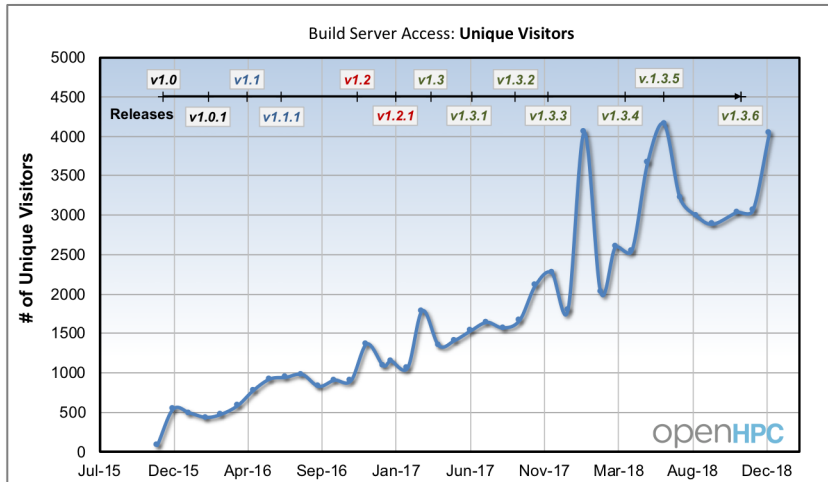
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Agenda

- CI update
 - centos7.6 image for x86 is now available (tested with previous ohpc 1.3.6 release)
 - working on aarch64
- Upcoming submission deadlines:
 - PEARC'19 tutorial (Feb20)
 - ISC'19 BoF (Feb 20)
- Year end usage stats
- Review cycle #7
- RHEL8 patches (Adrian)
- Discussion on next major distro versions
 - SLE12
 - RHEL8/CentOs8

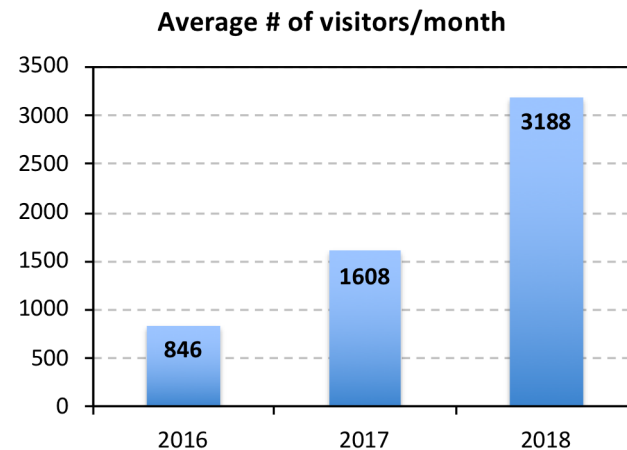
Updated Usage/Access Statistics (thru 2018)



- Stats for build/repo server (tracking # of unique visitors per month and amount of data downloaded):

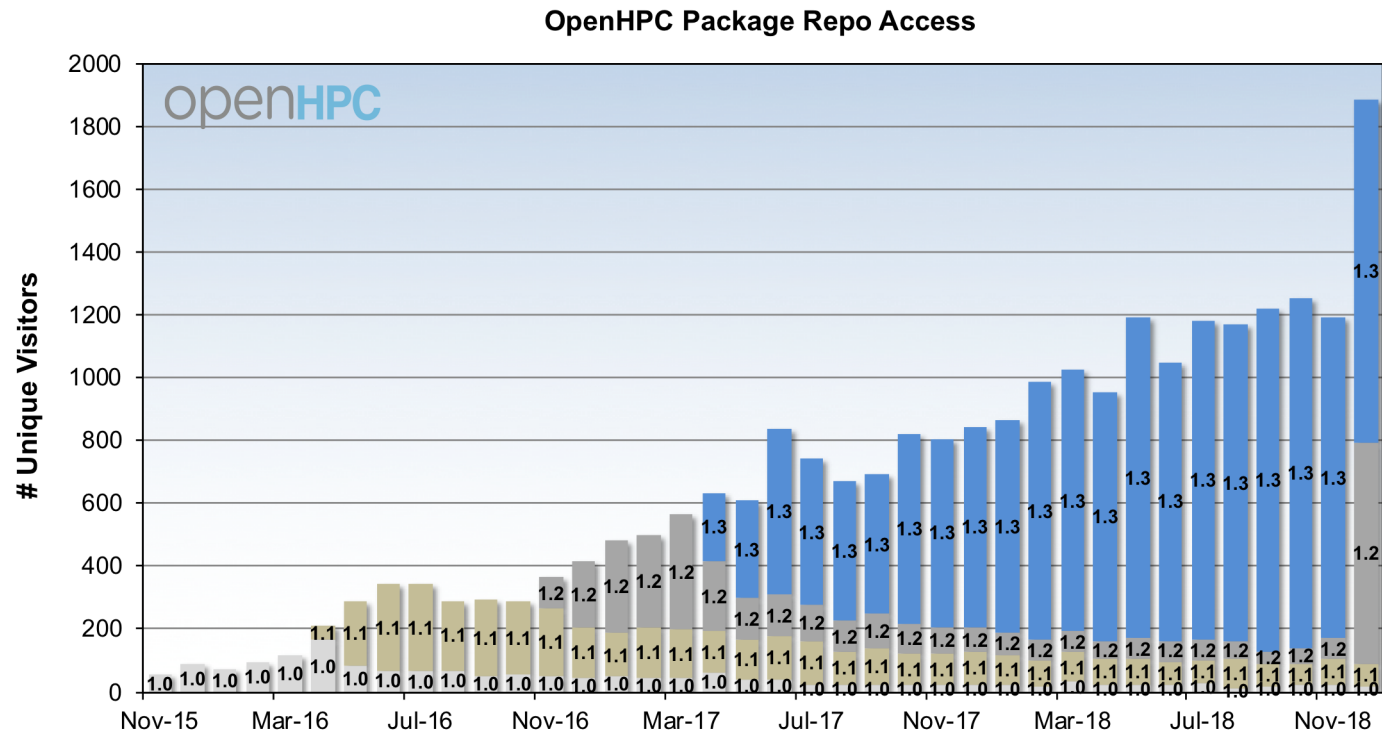
<http://build.openhpc.community>

- ~21.4 TB downloaded in 2018



Updated Usage/Access Stats (thru 2018)

- These stats monitor access specifically to package repository metadata (typically expected to be via yum/zypper)
- Repo access binned by minor version



Review cycle #7

Component Name	# of Reviewers	# of accepts	# of rejects	Avg. Priority
buildtest	5	4	1	5.2

- Looks fairly simply to integrate, but will ask for help from developer for implementing test in our test harness
 - will add this as new component for backlog
- Have one new submission for review cycle #8 at the moment
 - will follow up on getting review volunteers next time

RHEL8 patches (Adrian)

- <https://github.com/openhpc/ohpc/pull/877>
 - rhel8 using **annobin** which adds annotations to binaries
 - can be disabled for C code
 - problem with Python modules
 - python from distro requires annobin and is not easy to disable

Next major distro versions

- RHEL8 beta is out
- SLES15 is now out
 - recall from previous TSC discussion last year that the direction suggested for SLES was to wait till SLES15 SP1 was released and target that version for ohpc update
- Don't know if we will want to do the same for RHEL or not (e.g wait for 8.1)?
 - the very original ohpc release targeted CentOS 7.1
- Regardless, we will presumably be rolling out ohpc support for new major distro releases this year
 - need to talk about expectations regarding versioning and support of previous distro versions

Next major distro versions

- Current convention we iterated to after experiences with 1.0 thru 1.2 releases is to stay on a minor branch version for longer
 - 1.3.0, 1.3.1, 1.3.2, 1.3.3,etc
 - update against underlying distro minor variant periodically since end-users can upgrade between them (e.g. CentOS7.4 -> CentOS 7.5 -> CentOS 7.6)
 - only rebuilding packages with version changes, bug fixes or new components for each micro release
 - since users can't generally upgrade across major OS variant boundaries (e.g. SLE 12 -> SLE 15, or CentOS7 -> CentOS8), assumption was that we would introduce support with a new ohpc minor release (a la ohpc v1.4)
- We haven't really discussed a policy around support for previous variants:
 - option 1: roll out builds for newer distro versions and stop updating components in older versions
 - e.g. SLE12 SP1 rolled out in ohpc v1.4.0
 - no updates for SLES in ohpc v1.3.x, only updates for CentOS7
 - introduce CentOS8.1 in ohpc v1.4.1, then ohpc v.1.3.x tree is frozen with no more updates
 - option 2(a-d): roll out builds for newer distro versions in ohpc v1.4.0 and maintain some elements of support in ohpc v1.3.x for previous distro versions for some amount of time
 - 2a: only critical bug/security issues for v1.3.x
 - 2b: 2a + existing component version updates for v1.3.x
 - 2c: 2a + 2b + add new components as well
 - if considering any of the above, what is a reasonable timeframe to maintain?
 - option 3?: