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GerritForge

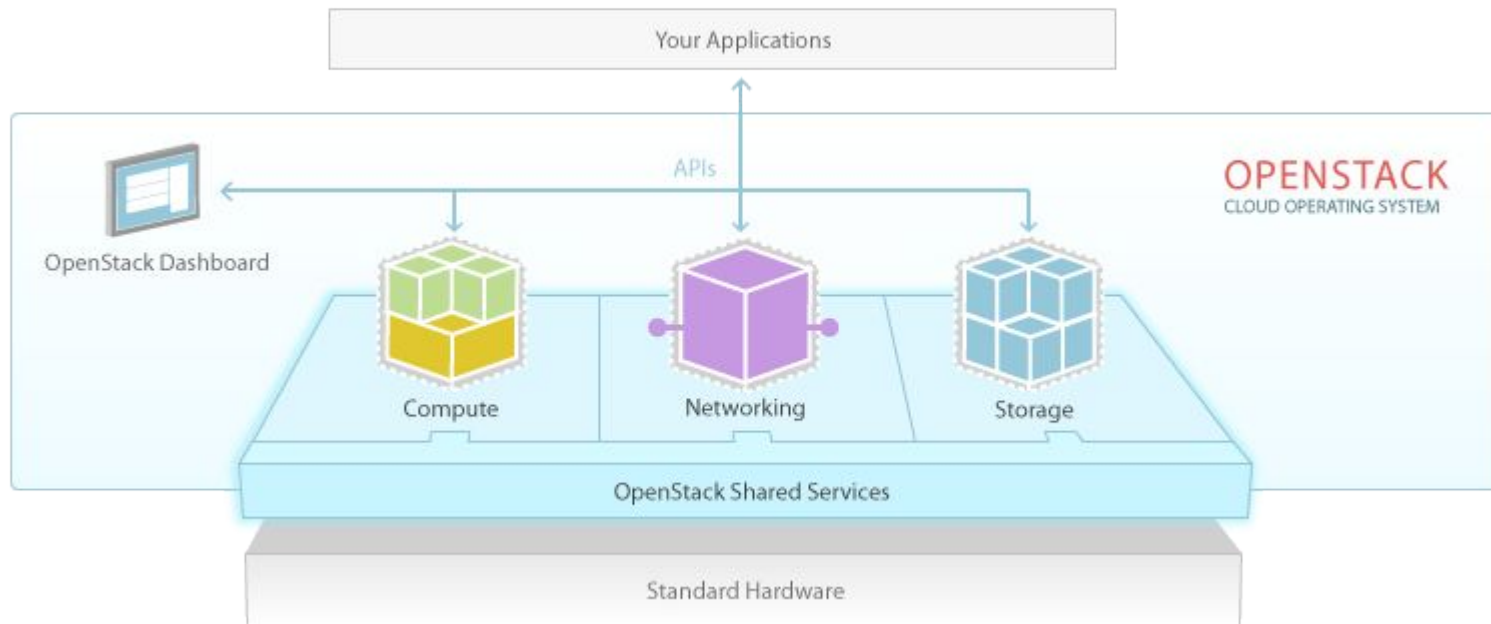
# Keep the conversation flowing

Openstack Gerrit

Khai Do <zaro0508@gmail.com>



Open Source software for building private and public clouds





- 1 Gerrit Master
- 8 Slaves
- 1500 Projects
- 400K Changes
- 20K Users
- 700 Events/hour



- Cloud operators
- Hardware
- Feedback

Third party CI program (TPCI)

# TPCI Workflow



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- Openstack provides TPCI account.
- TPCI subscribes to Openstack gerrit stream events.
- TPCI triggers on Openstack gerrit changes.
- TPCI runs tests on TP hardware.
- TPCI sends reports upstream.

~180 registered TPCI accounts.

Show **10** entries

Search:

#	Driver	CI votes	Success
1	<a href="#">QEMU</a>	1805	99.9%
2	<a href="#">KVM</a>	1805	99.9%
3	<a href="#">XenAPI</a>	1526	98.5%
4	<a href="#">Xen+Libvirt</a>	1255	89.6%
5	<a href="#">Hyper-V virtualization platform</a>	1160	100.0%
6	<a href="#">NetApp Unified Driver</a>	1105	41.1%
7	<a href="#">kvm_ppc64</a>	904	93.6%
8	<a href="#">IBM Storwize family and SVC iSCSI/FC volume driver</a>	801	71.8%
9	<a href="#">Linux SMB3 Cinder driver</a>	760	66.4%
10	<a href="#">Windows Server iSCSI Cinder driver</a>	760	66.4%



Change 381272 - Merged

Reply...

Included in Patch Sets (2/2) Download

### Error message for image conversion failure

When image conversion fails due to space constraints on image\_conversion\_dir, log a straightforward error message indicating this is the case:

```
"No space left in image_conversion_dir path (/var/lib/cinder/conversion) while fetching image 6261d1ec-2a15-4a68-977a-ea22ff342b74."
```

Change-Id: I4c4ca1bdcbb86739613d64997bbc78e3a72d570a

Owner: Eric Harney

Reviewers: Gorka Egulleor, Jenkins, Mike Perez, TommyLike, VMware NSX CI

Brocade Openstack CI, Cisco CI, Coho Data Storage CI, Datera CI, Dell Storage CI, EMC XIO CI, FalconStor CI, Fujitsu ETERNUS CI, HGST Solutions CI, HPE Storage CI, Hitachi HBSD2 CI, IBM FlashSystem CI, IBM GPFS CINDER CI, IBM XIV CI, Infortrend Cinder CI, Kaminario K2 CI, Mellanox CI, Microsoft iSCSI CI, NetApp CI, Nexenta CI, Nexenta Edge CI, Oracle ZFSSA CI, SolidFire CI, Synology DSM CI, Tegile Storage CI, Tintri CI, Vedams-HPMSA FCISCSI/Driver CI, **Vijay Ladani**, Violin Memory V6000 CI, X-IO OpenStack CI, ZadaraStorage VPSA CI

Project: openstack/cinder

Branch: master

Topic: 381272

Updated: 3 weeks ago

Cherry Pick Revert

Author	Eric Harney <eharney@redhat.com>	10/03/16 11:09 AM
Committer	Eric Harney <eharney@redhat.com>	10/04/16 12:45 PM
Commit	a53f14f96804db4e78ad8971d54844ee5f69af65	[ ] (gitweb)
Parent(s)	5f941c66ffcdc936d2d81fed8af78cde536a80d9	[ ] (gitweb)
Change-Id	I4c4ca1bdcbb86739613d64997bbc78e3a72d570a	[ ]

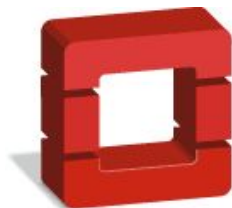
- Code-Review +2 Gorka Egulleor Mike Perez
- +1 TommyLike
- Verified +2 Jenkins
- +1 VMware NSX CI
- Workflow +1 Mike Perez

<b>Eric Harney</b> Uploaded patch set 1.		10/03 12:02 PM ←
<b>VMware NSX CI</b>	Patch Set 1: Verified+1 Build Successful * vmware-dsvm-ext-cinder http://208.91.1.172/logs/vmware-dsvm-ext-cinder/381272/1/995/ : SUCCESS	10/03 12:28 PM
<b>Cisco CI</b>	Patch Set 1: Build succeeded. - cisco_zm_cinder http://192.133.158.2:8080/job/cisco_zm_cinder/2507 : SUCCESS in 35m 00s	10/03 12:47 PM
<b>Brocade Openstack CI</b>	Patch Set 1: * brocade_fc_zone_driver_tempest_full http://144.49.208.28:8000/build_logs/2016-10-03_12-05-24/ : SUCCESS (non-voting)	10/03 12:51 PM
<b>X-IO OpenStack CI</b>	Patch Set 1: Build failed. For information on how to proceed, see https://wiki.openstack.org/wiki/GerritJenkinsGit#Test_Failures. For 3rd party ci contact...	10/03 12:57 PM
<b>IBM FlashSystem CI</b>	Patch Set 1: Build succeeded. - ibm-flashsystem-cinder-fc http://dal05.objectstorage.softlayer.net/v1/AUTH_0bd27569-6310-44fc-8a8d-36a112cac4ec/...	10/03 1:09 PM
<b>Jenkins</b>	Patch Set 1: Verified+1 Build succeeded (check pipeline). - gate-cinder-docs-ubuntu-xenial http://docs-draft.openstack.org/72/381272/1/check/gate-cin...	10/03 1:17 PM
<b>HGST Solutions CI</b>	Patch Set 1: Build succeeded on HGST Solutions CI system. https://wiki.openstack.org/wiki/ThirdPartySystems/HGST_Solutions_CI - dsvm-tempest-h...	10/03 1:31 PM
<b>SolidFire CI</b>	Patch Set 1: * SolidFire-dsvm-full http://54.164.167.86/solidfire-ci-logs/refs-changes-72-381272-1 : SUCCESS	10/03 1:50 PM
<b>Fujitsu ETERNUS CI</b> Patch Set 1: Build succeeded - For information of Fujitsu ETERNUS CI, see: https://wiki.openstack.org/wiki/ThirdPartySystems/Fujitsu_ETERNUS_CI		10/03 1:52 PM ←
	fujitsu-eternus-dx-iscsi SUCCESS in 1h 50m 14s	
	fujitsu-eternus-fc SUCCESS in 1h 43m 17s	
<b>Tintri CI</b>	Patch Set 1: * tintri-ci http://openstack-ci.tintri.com/tintri/refs-changes-72-381272-1 : FAILURE	10/03 1:59 PM
<b>NetApp CI</b>	Patch Set 1: Build failed. - cinder-7mode-iscsi http://dcf90161175a43f968-c504047c910227e27e1d6f03bb1796fd7.r95.cf5.rackcdn.com/72/381272/1...	10/03 2:01 PM
<b>Tegile Storage CI</b>	Patch Set 1: Build failed. For rechecking only on Tegile Storage CI, add a review comment with run tegile - TegileISCSIDriver-dsvm-tempest http://ope...	10/03 2:05 PM
<b>IBM XIV CI</b>	Patch Set 1: Build succeeded. - ibm-xiv-iscsi http://dal05.objectstorage.softlayer.net/v1/AUTH_0bd27569-6310-44fc-8a8d-36a112cac4ec/IBM-XIV-CI/7...	10/03 2:22 PM
<b>Violin M..V6000 CI</b>	Patch Set 1: Build succeeded. - dsvm-tempest-vmem-cinder-v7000_fcp http://logstack.vmem.com/72/381272/1/check/dsvm-tempest-vmem-cinder-v70...	10/03 2:27 PM
<b>Coho Data Storage CI</b>	Patch Set 1: Build succeeded. - dsvm-tempest-coho-cinder-driver http://logs.cohodata.com/72/381272/1/check/dsvm-tempest-coho-cinder-driver/80b4...	10/03 2:32 PM
<b>Microsoft ISCSI CI</b>	Patch Set 1: Build succeeded. - microsoft-ci-iscsi http://64.119.130.115/cinder/381272/1/iscsi/ : SUCCESS in 1h 29m 15s - microsoft-ci-smb3-linux http://...	10/03 2:35 PM
<b>HPE Storage CI</b>	Patch Set 1: Build failed. Add comment 'run-HPE Storage CI' to run tests again. For 3rd party ci contact info: https://wiki.openstack.org/wiki/ThirdParty...	10/03 3:11 PM
<b>Datera CI</b>	Patch Set 1: * datera-dsvm-full http://stkci.daterainc.com.s3-website-us-west-2.amazonaws.com/refs-changes-72-381272-1/index.html : SUCCESS	10/03 4:07 PM
<b>Mellanox CI</b>	Patch Set 1: Build succeeded. - Cinder-ISER-iscsi http://13.69.151.247/72/381272/1/check-cinder/Cinder-ISER-iscsi/75efd38 : SUCCESS in 40m 2...	10/03 4:12 PM
<b>EMC XIO CI</b>	Patch Set 1: Build succeed. - EMC_XtremIO_FC http://publiloggs.emc.com/xio_ostack/EMC_XtremIO_FC/3628 : SUCCESS in 49m 30s - EMC_XtremI...	10/03 4:33 PM
<b>Dell Storage CI</b>	Patch Set 1: Build succeeded. * dell-eql-dsvm-volume http://oslogs.compellent.com/dell-eql-381272-1/ : SUCCESS * dell-sc-iscsi-dsvm-volume http://o...	10/03 4:45 PM
<b>Nexenta CI</b>	Patch Set 1: * nexenta-dsvm-volume-ns5_iscsi http://140.174.232.106/refs-changes-72-381272-1/ns5_iscsi : FAILURE in 28m 54s * nexenta-dsvm-vol...	10/03 5:54 PM
<b>ZadaraSt... VPSA CI</b>	Patch Set 1: Build succeeded (check pipeline). Use run-ZadaraStorage VPSA CI to recheck. For information, see https://wiki.openstack.org/wiki/ThirdP...	10/03 6:00 PM
<b>Synology DSM CI</b>	Patch Set 1: Build succeeded. - synology-dsm-cinder-iscsi http://openstack-ci-logs.synology.com/72/381272/1/check/synology-dsm-cinder-iscsi/631136...	10/03 8:23 PM
<b>FalconStor CI</b>	Patch Set 1: Build succeeded. - dsvm-cinder-fss-iscsi http://openstack.falconstor.com/72/381272/1/check/dsvm-cinder-fss-iscsi/67fb197 : SUCCESS in...	10/03 10:19 PM
<b>Vijay Ladani</b> Patch Set 1: Code-Review+1		10/04 1:36 AM ←
<b>Gorka Egulleor</b> Patch Set 1: Code-Review-1 Code looks great, but we need a unit test. If this was a compiled language I wouldn't ask for it in such a simple case, but since Python is interpreted any error will only be detected when the code patch is executed.		10/04 3:59 AM ←
<b>Nexenta Edge CI</b>	Patch Set 1: * nexenta-dsvm-volume-ns_edge http://140.174.232.106/refs-changes-72-381272-1/ns_edge : FAILURE in 109m 17s * nexenta-dsvm-vol...	10/04 5:10 AM
<b>Vedams-H...river CI</b>	Patch Set 1: Build failed. For information on how to proceed, see https://wiki.openstack.org/wiki/GerritJenkinsGit#Test_Failures. For 3rd party ci contac...	10/04 6:40 AM
<b>Hitachi HBSD2 CI</b>	Patch Set 1: Build succeeded. - hitachi-hbsd2-fc http://openstack.fil-technologia.org.br:10000/72/381272/1/check/hitachi-hbsd2-fc/b38d561 : SUCCESS...	10/04 12:01 PM
<b>Oracle ZFSSA CI</b>	Patch Set 1: * oracle-zfssa-dsvm-iscsi https://openstackci.oracle.com/zfssa_ci/refs-changes-72-381272-1-iscsi : SUCCESS	10/04 12:39 PM
<b>Eric Harney</b> Patch Set 1: Done		10/04 12:46 PM ←
<b>Eric Harney</b> Uploaded patch set 2.		10/04 12:47 PM ←
<b>Cisco CI</b>	Patch Set 2: Build succeeded. - cisco_zm_cinder http://192.133.158.2:8080/job/cisco_zm_cinder/2528 : SUCCESS in 24m 20s	10/04 1:11 PM
<b>VMware NSX CI</b>	Patch Set 2: Verified+1 - ext-cinder-dsvm http://208.91.1.172/logs/ext-cinder-dsvm/381272/2/33/ : SUCCESS Add review comment "vmware-recheck-p...	10/04 1:17 PM
<b>Blockbridge EPS CI</b>	Patch Set 2: Build succeeded. - check-tempest-dsvm-volume-blockbridge http://logs.openstack.blockbridge.com/72/381272/2/check/check-tempest-d...	10/04 1:38 PM



# Bots

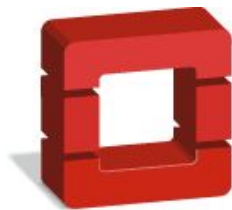
- Human and CI reviews in same channel
- Test report data is unstructured text
- Difficult to access CI reports
- Difficult to analyze CI reports



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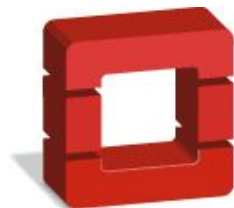
# Humans

- Discourages reviews
- Inefficient reviewing



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# Goals

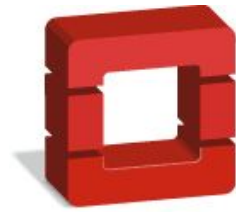


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- Get robots out of the way for humans
- Visualize test results independently of comments
- Structured data for visualization/filtering/analysis/etc..

# Verify Status

- CI reporting channel
- Rest endpoint
- SSH command
- Access controls
- Visualization
- Jenkins integration



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Demo

