

2.1.0 (build 281)

Special Notes

- This is 2.1 alpha 1 release, only very limited tests on it.
- Some spotlights:
 - Manage existing cluster through "Cluster Management\Import Cluster"
 1. applicable to 2.1 alpha 1.
 2. deploy a ceph cluster external (maybe there is already one running)
 3. deploy VSM with agents deployed on each ceph node with appropriate role defined.
 4. in VSM web ui:
 1. navigate to "Cluster Management\Import Cluster"
 2. you should see all ceph nodes listed.
 3. click "import cluster", then we will see a new page where it asks for crushmap and ceph.conf
 5. there are two approaches to get crushmap:
 1. paste crushmap directly into the text box under "Crushmap"
 2. click "Auto Detect", then a dialog will pop up, you'd select one monitor host, and point where is the monitor keyring file on the monitor host.
 6. for ceph.conf, **we see some ceph.conf doesn't include osd information, if this is the case, you'd manually add them into ceph.conf.**
 7. when crushmap and ceph.conf are ready, click "validate" to see if all can pass. If yes, you could click "submit", if succeed, the message tip will show up to say the import is successful.
 8. wait for a few minutes before the status gets synced, then you will see the cluster status.
 - Crushmap management
 1. only draft UI, not ready.
- 16 new features are added, and 39 bugs are fixed till this release.

New Features

- [VSM-355](#) there are some used disk paths list in the data path field and journal dik path field on page 'add new osd'
- [VSM-90](#) Monitor Status page improvements.
- [VSM-96](#) UI responsiveness
- [VSM-98](#) Server Configuration Change.
- [VSM-352](#) servermgmt page autorefrush too frequent
- [VSM-372](#) narrow the attack surface from VSM to Openstack cluster
- [VSM-373](#) at adding new OSD page, expect to list device name like /dev/sdd1 instead of pci bus address.
- [VSM-140](#) Ceph Development (Epic 6): Prototype Calamari/VSM dashboard implementation
- [VSM-88](#) On monitor status page, report what server each monitor is running on.
- [VSM-15](#) VSM-backup prompt info not correct
- [VSM-242](#) Allow user to modify ceph.conf outside VSM
- [VSM-124](#) [CDEK-1852] VSM | adding possibility to manipulate ceph values in cluster.manifest file
- [VSM-4](#) Average Response Time" missing in dashboard Overview panel "VSM Status" section.
- [VSM-159](#) add issue reporting tool
- [VSM-184](#) add automated script to help deploy VSM on multiple nodes
- [VSM-156](#) add sanity check tool to help identify potential issues before or after deployment

Resolved bugs

- [Key Summary](#)
- [VSM-321](#) no upstart mechanism used for ubuntu when controlling ceph service
- [VSM-336](#) On Dashboard, even no cluster is created, the VSM version and uptime should be displayed
- [VSM-24](#) [CDEK-1661] VSM Dashboard | Manage Servers | Reset server status - works not correctly.
- [VSM-365](#) Creating Cluster sticks at ceph.conf creation when running VSM on CentOS 7.1
- [VSM-19](#) CDEK-1613] VSM | Reset Server Status button - return Error:Network error
- [VSM-379](#) Trace back in browser when using reset server status action buttons

- [VSM-381](#) run diamond through service instead of current process launching
- [VSM-378](#) Performance data is retrieved from outside nodes
- [VSM-374](#) the down server is not reflected in VSM
- [VSM-375](#) Malformed JSON in 'Integrate Cluster' function
- [VSM-366](#) the password for openstack access is shown as plain text
- [VSM-312](#) vsm-node sets node status="Need more IP" if a Monitor only node does not have a cluster IP address..
- [VSM-367](#) can't create cluster at public cloud environment
- [VSM-368](#) The default password is not following the same password policy to include uppercase and digitals.
- [VSM-369](#) Change password: "!" doesn't support in password even prompt message says OK
- [VSM-224](#) Controller node error in /var/log/httpd/error_log - constantly ongoing messages [error] <Response [200]>
- [VSM-244](#) Internal server error when installing v1.1
- [VSM-179](#) keep ceph.conf up to date when executing "remove server" operations.
- [VSM-176](#) SSL certificate password is stored in a plain text file
- [VSM-193](#) hard-coded cluster id
- [VSM-177](#) wrong /etc/fstab entry for osd device mount point
- [VSM-239](#) with automatic deployment, the execution is blocked at asking if start mysql service
- [VSM-166](#) *clustermanifest sanity check program gives incorrect advice for authkeys*
- [VSM-121](#) Storage node unable to connect to controller although network is OK and all setting correct
- [VSM-123](#) Storage node will not be able to contact controller node to install if http proxy set
- [VSM-171](#) [CDEK1672] VSM_CLI | list shows Admin network in Public IP section
- [VSM-168](#) [CDEK1800] VSM_CLI | remove mds - doesn't update vsm database
- [VSM-236](#) no way to check manifest correctness after editing them
- [VSM-233](#) console blocks when running automatic installation procedure
- [VSM-260](#) the *checknetwork in servermanifest* will be wrong when it has a single network card
- [VSM-33](#) negative update time in RBD list
- [VSM-51](#) Install Fails for VSM 0.8.0 Engineering Build Release
- [VSM-113](#) [CDEK-1835] VSM | /var/log/httpd/error_log - constantly ongoing messages [error] <Response [200]>
- [VSM-29](#) vsm-agent process causes high i/o on os disk
- [VSM-216](#) Add storage group requires at least 3 nodes
- [VSM-26](#) [CDEK-1664] VSM | Not possible to replace node if ceph contain only 3 nodes.
- [VSM-207](#) can't assume eth0 device name
- [VSM-230](#) when presenting pool to openstack, cache tiering pools should be listed.

Known issues

- [VSM-393](#) When importing cluster, if there is no OSd and MON sections, the import will fail

2.0.0 (build 216)

Special Notes

- This is the 2.0 final release, which includes both Ubuntu 14 and CentOS 7 packages.
- 16 new features are added, and 33 bugs are fixed till this release.

New Features

- [VSM-342](#) support ceph upgrade on centos 7
- [VSM-88](#) On monitor status page, report what server each monitor is running on.
- [VSM-162](#) need to support typical openstack deployment with multiple cinder/nova/glance instances beside current all-in-one mode
- [VSM-246](#) a separate tool to help make a node ready for addition into cluster
- [VSM-307](#) the operator expects to upgrade ceph cluster
- [VSM-309](#) Disk identification: the operator expects to identify physical location of failed disks for replacement
- [VSM-327](#) Dashboard: it's required to have summary for device capacity status to show if full
- [VSM-358](#) Support normal user instead of root to install vsm
- [VSM-355](#) there are some used disk paths list in the data path field and journal dik path field on page 'add new osd'
- [VSM-352](#) servermgmt page autorefrush too frequent

- [VSM-346](#) Add complete set of Juno features in Horizon; pluggable settings, etc.
- [VSM-341](#) expect to have some utilities to help make automation tests.
- [VSM-291](#) The operator expects to present pools to multiple openstack clusters or regions
- [VSM-331](#) it's necessary to monitor device utilization from dashboard
- [VSM-339](#) Configuration Management: as more and more features are added, and different scenarios require different settings, configuration is required.
- [VSM-337](#) Upgrade: expect to upgrade from 1.0 to 2.0

Resolved bugs

- [VSM-312](#) vsm-node sets node status="Need more IP" if a Monitor only node does not have a cluster IP address..
- [VSM-17](#) [CDEK-1608] User can remove himself, but after command execution he is not automatically log out
- [VSM-329](#) Remove Monitors button in Manage Servers hangs when Monitor node also has MDS daemon
- [VSM-274](#) a new user logged in vsm and can delete himself
- [VSM-362](#) there are a lot of "in-Up" log in apache error log
- [VSM-364](#) when remove one monitor without MDS co-located, the operation keeps running and no end.
- [VSM-359](#) get smart info inaccurate
- [VSM-363](#) if removing a monitor where the MDS is co-located, after finished, the status has changed to "available" instead of "active".
- [VSM-319](#) performance monitor error when restart vsm processes on controller
- [VSM-322](#) there are exceptions when request vsm dashboard
- [VSM-330](#) When upgrading from Firefly to Giant, the upgrade complains missing python-rados package
- [VSM-360](#) No servers list after newly installed with errors " Permission denied: '/tmp/crushmap'"
- [VSM-332](#) sometimes diamond service start failed
- [VSM-333](#) Error: "Activation of org.freedesktop.secrets timed out", when installing with 2.0 beta 1
- [VSM-345](#) remove server error: no pemssion to stop osd service
- [VSM-348](#) deploy agent node after vsm cluster has been created, the token in .token file is invalid
- [VSM-361](#) when one osd is full, the dashboard doesn't mark one osd is full
- [VSM-347](#) When clicking on "add new osd" at device management, a server error page pops up
- [VSM-353](#) changed the password of current user,an error page pops up
- [VSM-336](#) On Dashboard, even no cluster is created, the VSM version and uptime should be displayed
- [VSM-343](#) can't create cache tier with latest code
- [VSM-344](#) after a few times install, clean-up, reinstall, we have seem some "eaddrinuse" errors on starting rabbitmq
- [VSM-357](#) 'add new disk':if data disk and journal disk is in the different partitions of the same disk, the opearation will be unsuccessful
- [VSM-350](#) no response when get latency performance on dashboard
- [VSM-351](#) ceph upgrade on ubuntu unsuccess
- [VSM-356](#) I got warning info means that the number of pg in each osd is too large after upgrade ceph from a lower version to hammar
- [VSM-354](#) when 'create cluster' page opened,other pages still can be opened
- [VSM-349](#) click 'create cluster',I got the tip:there are some zones no monitor created
- [VSM-340](#) Manifest: even using the same token generated from agent-token, server_manifest still complains connection error
- [VSM-328](#) Dashboard: when one disk is full, the warning message is not showing correctly
- [VSM-338](#) Upgrade: current ceph upgrade requires all agent nodes have internet connections, which normally is not true.
- [VSM-334](#) upgrade: when set hammer url, then click "submit", the final ceph version is still firefly.
- [VSM-335](#) The version on UI only shows 2.0.0, but no build number

Known issues

2.0.0 (build 163)

Special Notes

- this is a 2.0 beta 1 release, still plenty of changes in this release, and we did some initial tests on it.
- 15 new features are added, and 41 bugs are fixed till this release.

New Features

- VSM-135 CentOS 6.5 and 7.0 Support
- VSM-296 Show performance on the dashboard
- VSM-4 Average Response Time" missing in dashboard Overview panel "VSM Status" section.
- VSM-159 add issue reporting tool
- VSM-156 add sanity check tool to help identify potential issues before or after deployment
- VSM-15 VSM-backup prompt info not correct
- VSM-124 [CDEK-1852] VSM | adding possibility to manipulate ceph values in cluster.manifest file
- VSM-242 Allow user to modify ceph.conf outside VSM
- VSM-184 add automated script to help deploy VSM on multiple nodes
- VSM-103 Support a Single Keystone Instance in OpenStack Environments
- VSM-303 Adjust the UI like openstack dashboard
- VSM-54 On OSD Status page: Provide filter option to only display OSDs that are not up and in
- VSM-190 Add disks to cluster
- VSM-220 Operator expects to know what's happening inside ceph cluster through performance counters
- VSM-134 Ubuntu 14.X Support

Resolved bugs

- VSM-318 "remove osd" doesn't work
- VSM-325 Monitor: negative update time shown on monitor status when removing an monitor.
- VSM-269 Smart info doesn't work in Device mgmt.
- VSM-324 Monitor: inconsistent monitor number on Monitor status page when removing one monitor
- VSM-326 UI: the progress indicator is not showing at the center of screen but the top-left
- VSM-323 Installer: when installing diamond on each agents, there are a lot of File or Folder not found issues
- VSM-306 when executing buildvsm on ubuntu, the script complains no vsm user created
- VSM-263 The pie chart in "Storage Group Status" page is disappeared.
- VSM-320 if installing from a node instead of the controller, the installation will be stopped at missing deployrc
- VSM-176 SSL certificate password is stored in a plain text file
- VSM-230 when presenting pool to openstack, cache tiering pools should be listed.
- VSM-26 [CDEK-1664] VSM | Not possible to replace node if ceph contain only 3 nodes.
- VSM-51 Install Fails for VSM 0.8.0 Engineering Build Release
- VSM-236 no way to check manifest correctness after editing them
- VSM-29 VSM-agent process causes high i/o on os disk
- VSM-216 Add storage group requires at least 3 nodes
- VSM-33 negative update time in RBD list
- VSM-113 [CDEK-1835] VSM | /var/log/httpd/error_log - constantly ongoing messages [error] <Response [200]>
- VSM-179 keep ceph.conf up to date when executing "remove server" operations.
- VSM-177 wrong /etc/fstab entry for osd device mount point
- VSM-233 console blocks when running automatic installation procedure
- VSM-239 with automatic deployment, the execution is blocked at asking if start mysql service
- VSM-166 *clustermanifest sanity check program gives incorrect advice for authkeys*
- VSM-207 can't assume eth0 device name
- VSM-224 Controller node error in /var/log/httpd/error_log - constantly ongoing messages [error] <Response [200]>
- VSM-121 Storage node unable to connect to controller although network is OK and all setting correct
- VSM-244 Internal server error when installing v1.1
- VSM-123 Storage node will not be able to contact controller node to install if http proxy set
- VSM-171 [CDEK1672] VSM_CLI | list shows Admin network in Public IP section
- VSM-168 [CDEK1800] VSM_CLI | remove mds - doesn't update vsm database
- VSM-193 hard-coded cluster id
- VSM-260 the *checknetwork in servermanifest* will be wrong when it has a single network card
- VSM-317 the update time in MDS block is empty
- VSM-249 can not open dashboard and get the debug infomation "Invalid block tag: 'horizon_nav'"
- VSM-299 when after installed vsm, but no ceph cluster deployed, there is still show 3 storage groups
- VSM-310 with Firefox, for all tables, the vertical separator between the first and second column gets disappeared
- VSM-313 the logo is disappeared when running on IE 11
- VSM-314 there is no progress indicator when an operation is not returned.
- VSM-316 the button style in "device management" page is different from others.

- [VSM-311](#) The blocks in dashboard are exceed out of the width of heading
- [VSM-315](#) "add server" doesn't work in alpha 2

Known issues

- [VSM-332](#) sometimes diamond service start failed
- [VSM-330](#) When upgrading from Firefly to Giant, the upgrade complains missing python-rados package

2.0.0 (build 149)

Special Notes

- this is a 2.0 alpha 2 release, we did some initial tests on it.
- 29 new features are added, and 47 bugs are fixed till this release.

New Features

- [VSM-63](#) Filter/Identify OSDs that are not up and in
- [VSM-61](#) Openstack Prod release alignment with VSM
- [VSM-55](#) Paginate OSD pages
- [VSM-10](#) VSM1.0 -[CDEK-1190] VSM "Create cluster" cannot select storage nodes or monito
- [VSM-304](#) Support to present pool to Openstack Juno All in one
- [VSM-282](#) current installer scripts only support ip address based, it's also required to support host name based
- [VSM-256](#) current logic enforces 3 replicas, somethings user may require to loose or tighten the enforcement.
- [VSM-257](#) reorganize functions inside installer to make it's possible to install controller or agent separately
- [VSM-243](#) the "create cluster" button doesn't take in effect after click on ubuntu 14
- [VSM-235](#) make scripts can support both rpm and deb packages
- [VSM-222](#) It's necessary to import a VSM created cluster by VSM itself.
- [VSM-221](#) upgrade vsm dependent openstack packages to junio
- [VSM-212](#) request to support ceph hammer release
- [VSM-209](#) support multiple subnets
- [VSM-189](#) "Add Server" progress
- [VSM-163](#) server_manifest does not check for local host in /etc/hosts
- [VSM-154](#) Request to have a new column on storage-group-status page to have number of OSD's in each storage group.
- [VSM-143](#) On OSD Status page, limit to 100 OSDs per page
- [VSM-144](#) On OSD Status page, sort OSDs by status, server, % capacity used
- [VSM-130](#) OpenStack Juno Support
- [VSM-94](#) Implement Pass-through Parameters
- [VSM-85](#) Storage Group Status improvements
- [VSM-89](#) Full OS disk indication
- [VSM-84](#) Improved server status reporting
- [VSM-83](#) Restart stopped monitor
- [VSM-69](#) Override default PG per OSD value
- [VSM-73](#) Zone monitor warning
- [VSM-46](#) overlay vsm with existing ceph cluster
- [VSM-23](#) Create User UI should prompt more information

Resolved bugs

- [VSM-305](#) presenting pool should keep backward comatibility, say working with junio, icehouse, havana
- [VSM-300](#) if no cluster is created, when open "server management"/"manage servers", the Ui becomes messy
- [VSM-298](#) on dashboard, when adding new monitors, the monitor block doesn't update accordingly
- [VSM-297](#) on dashboard, the storage group balls have no data
- [VSM-293](#) wrong version of vsm displayed in the dashboard
- [VSM-295](#) the installation fails at downloading dependent packages if http proxy is required
- [VSM-292](#) the background of tool tip is not clear to view

- [VSM-286](#) present pools to openstack again after you have presented pools, the attach status is always starting
- [VSM-285](#) present multi pools to openstack cinder, the cinder.conf is not complete
- [VSM-287](#) messy login window if accessing <https://dashboard>
- [VSM-284](#) at cluster status monitor, it's expected to provide complete summary instead the partial information from dashboard
- [VSM-283](#) after restart ceph cluster, the osd tree becomes messy
- [VSM-280](#) "Internal Server Error" when click on "Data Device Status"
- [VSM-278](#) after I add a server by clicking 'add server',the osd tree become messy
- [VSM-279](#) click 'restart osd' or 'restore osd',the osd tree will become messy
- [VSM-281](#) on dashboard, the cluster status like "warning" shouldn't be clickable
- [VSM-276](#) Allow agent to be deployed on nodes where no ceph role assigned
- [VSM-277](#) click on "add storage group" will trigger "something went wrong" error on UI
- [VSM-272](#) on OS with newer rabbitmq version like 3.4, message queue can't be accessed
- [VSM-273](#) "Import Error name Login" received when try to login to web console
- [VSM-275](#) the overview page is messy with Firefox
- [VSM-270](#) reinstall the keystone when deploy the vsm
- [VSM-266](#) Dashboard UI correction
- [VSM-265](#) Click Manage VSM"Add/Remove User""Change Password", no page shows up
- [VSM-264](#) on "PG Status" page, the text layout is messy.
- [VSM-267](#) The logo is not fully shown.
- [VSM-268](#) Can't create EC pool
- [VSM-262](#) when clicking on "device management", the page shows "something went wrong"
- [VSM-258](#) wrong dependencies url
- [VSM-259](#) script 'vsm-agent' missing LSB tags and overrides
- [VSM-253](#) A lot of buttons is invalid such as "addmonitor","removemonitor","addserver","removeserver","restore osd","remove osd" and so on
- [VSM-254](#) the successful tip boxes can't shut down such as "Success: Successfully created storage pool: "
- [VSM-255](#) when creating ceph cluster with one zone defined, the ceph cluster keeps in health_warn status
- [VSM-252](#) Most of the interface's auto refresh function is invalid
- [VSM-251](#) after clicked clusterManagement->create cluster->create cluster,there is not mds created.
- [VSM-250](#) Error when packing
- [VSM-245](#) error creating cluster
- [VSM-231](#) VSM | Not possible to choose the machines during cluster creation
- [VSM-229](#) Error state displayed on green color
- [VSM-225](#) VSM Creates Very Small *pg.num* and *pg.num* Size for EC Pool
- [VSM-218](#) on centos 7, the web layout is messy
- [VSM-195](#) if no cluster initialized, the UI shouldn't knock at 'manage servers'.
- [VSM-194](#) User experience: OSD Status and Manage Devices.
- [VSM-180](#) When a cluster is destroyed and recreated, VSM controller increments the cluster id (aka database rowid)
- [VSM-153](#) after clicked vsm->settings->update,there is no successful tip
- [VSM-68](#) Verify there are enough discrete servers and/or zones to support a VSM requested replication level
- [VSM-5](#) KB used in "Pool status" panel not consistent with "ceph df" in backend

Known issues

- [VSM-313](#) the logo is disappeared when running on IE 11

2.0.0 (build 123)

Special Notes

- this is alpha 1 release for 2.0, which is not well verified yet, just for early preview.

1.1_1

Special Notes

- this is a bugfix release for 1.1, which fixed the issues found in VSM-242 ("Allow user to modify ceph.conf outside VSM"). Also adding a new script `uninstall.sh` to help uninstall VSM in the case user expects to restart installation again.

New Features

- [VSM-209](#) support multiple subnets

Resolved bugs

- [VSM-260](#) the `checknetwork in servermanifest` will be wrong when it has a single network card

Known issues

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1.1

Special Notes

- starting from v1.1, the vsm dependencies are maintained on [vsm-dependencies repository](#) for tracking and trouble shooting.
- starting from v1.1, an automatic deployment tool is provided to deploy whole vsm controller and agents from one placement.

New Features

- [VSM-156](#) add sanity check tool to help identify potential issues before or after deployment
- [VSM-159](#) add issue reporting tool
- [VSM-184](#) add automated script to help deploy VSM on multiple nodes
- [VSM-242](#) Allow user to modify `ceph.conf` outside VSM

Resolved bugs

- [VSM-4](#) Average Response Time" missing in dashboard Overview panel "VSM Status" section.
- [VSM-15](#) VSM-backup prompt info not correct
- [VSM-25](#) VSM Dashboard | Capacity of hard drives is wrong and percentage used capacity is not correct.
- [VSM-26](#) [CDEK-1664] VSM | Not possible to replace node if ceph contain only 3 nodes.
- [VSM-29](#) vsm-agent process causes high i/o on os disk
- [VSM-33](#) negative update time in RBD list
- [VSM-51](#) Install Fails for VSM 0.8.0 Engineering Build Release
- [VSM-113](#) [CDEK-1835] VSM | `/var/log/httpd/error_log` - constantly ongoing messages [error] <Response [200]>
- [VSM-121](#) Storage node unable to connect to controller although network is OK and all setting correct
- [VSM-123](#) Storage node will not be able to contact controller node to install if http proxy set
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- [VSM-166](#) *clustermanifest sanity check program gives incorrect advice for authkeys*
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- [VSM-176](#) SSL certificate password is stored in a plain text file
- [VSM-177](#) wrong `/etc/fstab` entry for osd device mount point
- [VSM-179](#) keep `ceph.conf` up to date when executing "remove server" operations.
- [VSM-193](#) hard-coded cluster id
- [VSM-207](#) can't assume `eth0` device name
- [VSM-216](#) Add storage group requires at least 3 nodes
- [VSM-217](#) Problem with replication size on "pool" created on newly added storage group.
- [VSM-224](#) Controller node error in `/var/log/httpd/error_log` - constantly ongoing messages [error] <Response [200]>
- [VSM-230](#) when presenting pool to openstack, cache tiering pools should be listed.
- [VSM-233](#) console blocks when running automatic installation procedure

- [VSM-236](#) no way to check manifest correctness after editing them
- [VSM-239](#) with automatic deployment, the execution is blocked at asking if start mysql service
- [VSM-244](#) Internal server error when installing v1.1

Known issues

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1.0

Special Notes

For installation, please check the `INSTALL.md` on current release branch instead of the one on master branch.

New Features

Openstack Icehouse support

Fixed bugs

VSM-187 GUI shows always replication 3 when replicated pool is other than "Same as Primary"
VSM-183 `ct_target_max_mem_mb` and `ct_target_max_capacity_gb` sets the same value in create cache tier
VSM-182 add `osd_heartbeat_grace` and `osd_heartbeat_interval` to `cluster.manifest`
VSM-173 Can select same storage group in create replicated pool -- which should not

Known issues

VSM-191 VSM does not display the replica storage group.
VSM-192 force nonempty.
VSM-188 Missing column in manage pool page.