

## 1.1

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### Special Notes

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- 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

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- [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

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- [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
- [VSM-124](#) [CDEK-1852] VSM | adding possibility to manipulate ceph values in cluster.manifest file
- [VSM-166](#) *clustermanifest sanity check program gives incorrect advice for authkeys*
- [VSM-168](#) [CDEK1800] VSM\_CLI | remove mds - doesn't update vsm database
- [VSM-171](#) [CDEK1672] VSM\_CLI | list shows Admin network in Public IP section
- [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

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#### 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.

## 0.9.1

#### New Features

Support Split storage group  
Support cache tier  
Support Pool quota

#### Fixed bugs

VSM-112 [CDEK-1832] VSM | Cannot create a cluster - too many osds added  
VSM-114 [CDEK-1836] VSM Dashboard | button create cluster is disappearing - nodes are in status -"available"  
VSM-120 [CDEK-1840] VSM spams Monitors with health/pg/osd/mds dump  
VSM-148 After I mark the default section title in server.manifest, server\_manifest will report error  
VSM-150 can't access vsm controller web by following installation instructions  
VSM-152when created user successfully,I got the message "Created storage pool username successfully"  
VSM-122Server\_manifest doesn't support IPV6  
VSM-43 VSM will create dup pools if present pool to openstack takes too long  
VSM-108vsm-api.log has two ERROR messages which may be a bug  
VSM-151 when creating user,I get the message"please input an invaild user name" .but I do not know the standar to determine whethe  
VSM-49 CDEK-1825-SM | Cannot start httpd in vsm-controller -r controller  
VSM-110 VSM 0.8.0 and 0.7.1 Install Fails from Open Source Code and Install Instructons

## 0.8.0

#### New Features

Dashboard support https now. (Need one more dependence: mod\_ssl-2.2.15-31.el6.centos.x86\_64.rpm, newly added in rpms\_list.txt)  
Support erasure coded pool with ec-profile command line tool  
Partially support cache tier

#### Fixed bugs

VSM-22: Present pool will make Openstack Icehouse error in display volumes  
VSM-33: negative update time in RBD list  
VSM-6: when presenting pool to openstack, maybe we need to not say success, when it's not true success

#### Known issues

VSM-110: VSM 0.8.0 and 0.7.1 Install Fails from Open Source Code and Install Instructons

## 0.7.1

1. make VSM as open source project

