# Test Report for SolidFire-Cinder 01.001.1 Fuel Plugin for MOS 7.x

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# Revision history

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Revision date** | **Editor** | **Comment** |
| 1.0 | 23.01.2015 | Irina Povolotskaya  (ipovolotskaya@mirantis.com) | Created the template structure. |
| 1.0 | 10.08.2015 | Ed Balduf <ed.balduf@solidfire.com> | SolidFire Cinder 1.0.1 test report |
| 2.0 | 05.10.2015 | Ed Balduf <ed.balduf@solidfire.com> | SolidFire Cinder 1.1.0 test report |
| 2.1 | 14.12.2015 | Ed Balduf <ed.balduf@solidfire.com> | SolidFire Cinder 01.001.1 test report |

# 

# 

# 

# Document purpose

This document provides test run results for *all* of *solidfire-cinder* Fuel Plugin 0*1.001.1* on Mirantis OpenStack *7.0*

# Test environment

*The test environment includes 8 VMs within a VMware environment. The following designations for the VMs:*

1. Fuel master node (w/ 50GB Disk, 2 Network interfaces [Mgmt, PXE] )
2. OpenStack Controller #1 node
3. OpenStack Controller #2 node
4. OpenStack Controller #3 node
5. OpenStack Compute node (32GB Disk)
6. Ceph #1 node (3 disks)
7. Ceph #2 node (3 disks)
8. Ceph #3 node (3 disks)

Each VM have 2CPUs, 4GB RAM, 70GB disk (except where noted), 5 Network interfaces (except where noted). The 5 Networks are

1. PXE Network
2. Public Network
3. Private Network
4. Management Network
5. Storage Network

The Storage network is connected to a SolidFire cluster or virtual cluster to confirm proper connectivity to SolidFire.

## Test coverage and metrics

*There are a lines inserted into the cinder.conf and the cinder-volume service requires a restart. Verify that all lines are inserted and that the cinder-volume service has restarted with SolidFire configured for 100% coverage.*

# Test results summary

All tests passed. All lines were properly inserted into the cinder.conf file on all controller nodes and all cinder-volume services were restarted on all nodes.

# Type of testing

### Coverage of features

|  |  |
| --- | --- |
| **Parameter** | **Value** |
| Total quantity of executed test cases | 6 |
| Total quantity of not executed test cases | 0 |
| Quantity of automated test cases | 0 |
| Quantity of not automated test cases | 6 |

### Detailed test run results

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **#** | **Test case ID** | **Passed** | **Failed** | **Skipped** | **Comment** |
| 1 | install\_plugin\_deploy\_env | ✓ |  |  |  |
| 1a | install\_plugin\_verify\_open\_iscsi\_installed | ✓ |  |  |  |
| 2 | modify\_env\_with\_plugin\_remove\_add\_controller | ✓ |  |  |  |
| 3 | modify\_env\_with\_plugin\_remove\_add\_compute | ✓ |  |  |  |
| 4 | uninstall\_plugin\_with\_deployed\_env | ✓ |  |  |  |
| 5 | uninstall\_plugin | ✓ |  |  |  |
| Total |  | 6 |  |  |  |
| Total, % |  | 100 |  |  |  |

## 

[root@fuel7ga ~]# fuel plugins --install /tmp/fuel-plugin-solidfire-cinder-1.1-1.1.0-1.noarch.rpm

DEPRECATION WARNING: /etc/fuel/client/config.yaml exists and will be used as the source for settings. This behavior is deprecated. Please specify the path to your custom settings file in the FUELCLIENT\_CUSTOM\_SETTINGS environment variable.

Loaded plugins: fastestmirror, priorities

Setting up Install Process

Examining /tmp/fuel-plugin-solidfire-cinder-1.1-1.1.0-1.noarch.rpm: fuel-plugin-solidfire-cinder-1.1-1.1.0-1.noarch

Marking /tmp/fuel-plugin-solidfire-cinder-1.1-1.1.0-1.noarch.rpm to be installed

Loading mirror speeds from cached hostfile

7.0\_auxiliary | 2.9 kB 00:00 ...

mos7.0-security | 2.9 kB 00:00

mos7.0-security/primary\_db | 1.1 kB 00:00

mos7.0-updates | 2.9 kB 00:00

mos7.0-updates/primary\_db | 1.1 kB 00:00

nailgun | 3.9 kB 00:00 ...

Resolving Dependencies

--> Running transaction check

---> Package fuel-plugin-solidfire-cinder-1.1.noarch 0:1.1.0-1 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

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Package Arch Version Repository Size

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Installing:

fuel-plugin-solidfire-cinder-1.1 noarch 1.1.0-1 /fuel-plugin-solidfire-cinder-1.1-1.1.0-1.noarch 202 k

Transaction Summary

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Install 1 Package(s)

Total size: 202 k

Installed size: 202 k

Downloading Packages:

Running rpm\_check\_debug

Running Transaction Test

Transaction Test Succeeded

Running Transaction

Installing : fuel-plugin-solidfire-cinder-1.1-1.1.0-1.noarch 1/1

Verifying : fuel-plugin-solidfire-cinder-1.1-1.1.0-1.noarch 1/1

Installed:

fuel-plugin-solidfire-cinder-1.1.noarch 0:1.1.0-1

Complete!

Plugin /tmp/fuel-plugin-solidfire-cinder-1.1-1.1.0-1.noarch.rpm was successfully installed.

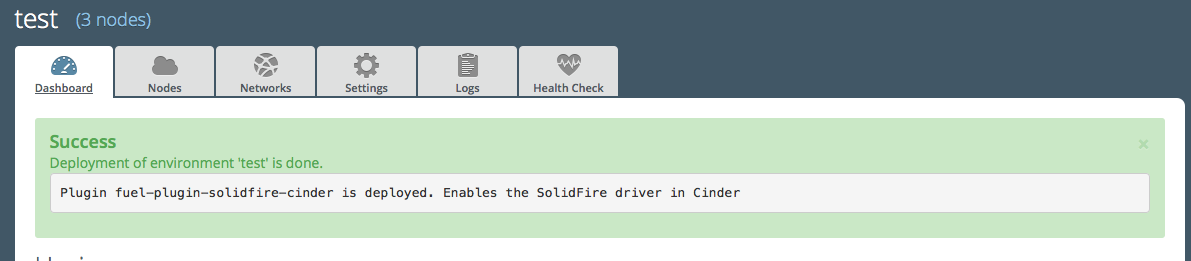


Figure : Output from Install and Deploy (i.e. Test #1)

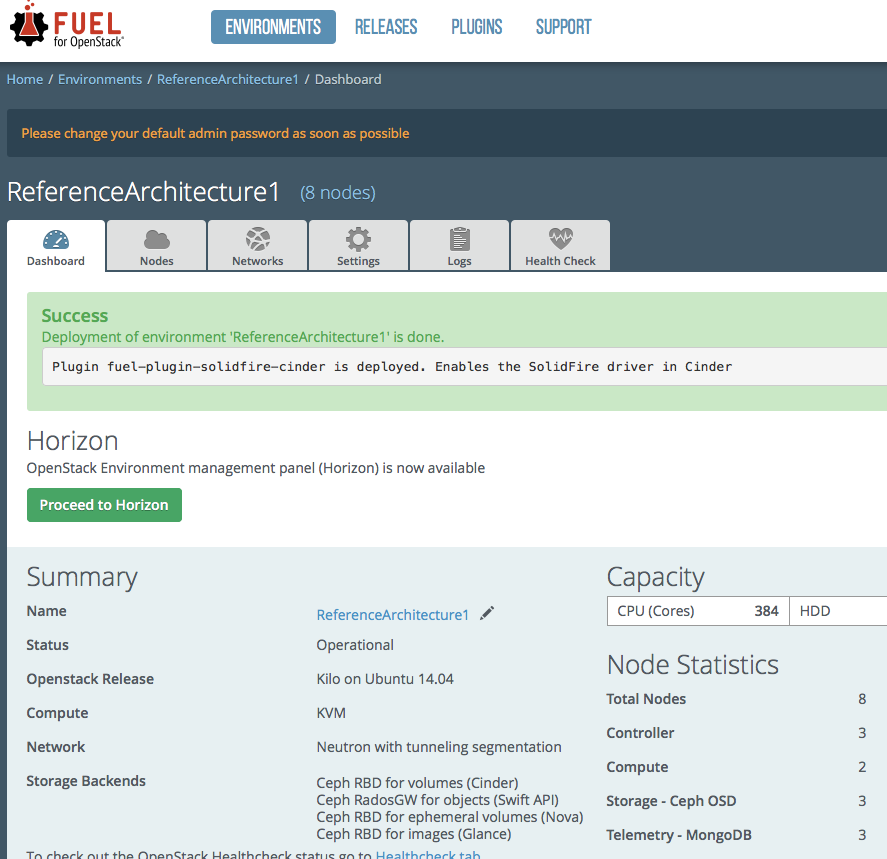


Figure 2: Output from deployment of environment (i.e. Test #1a)

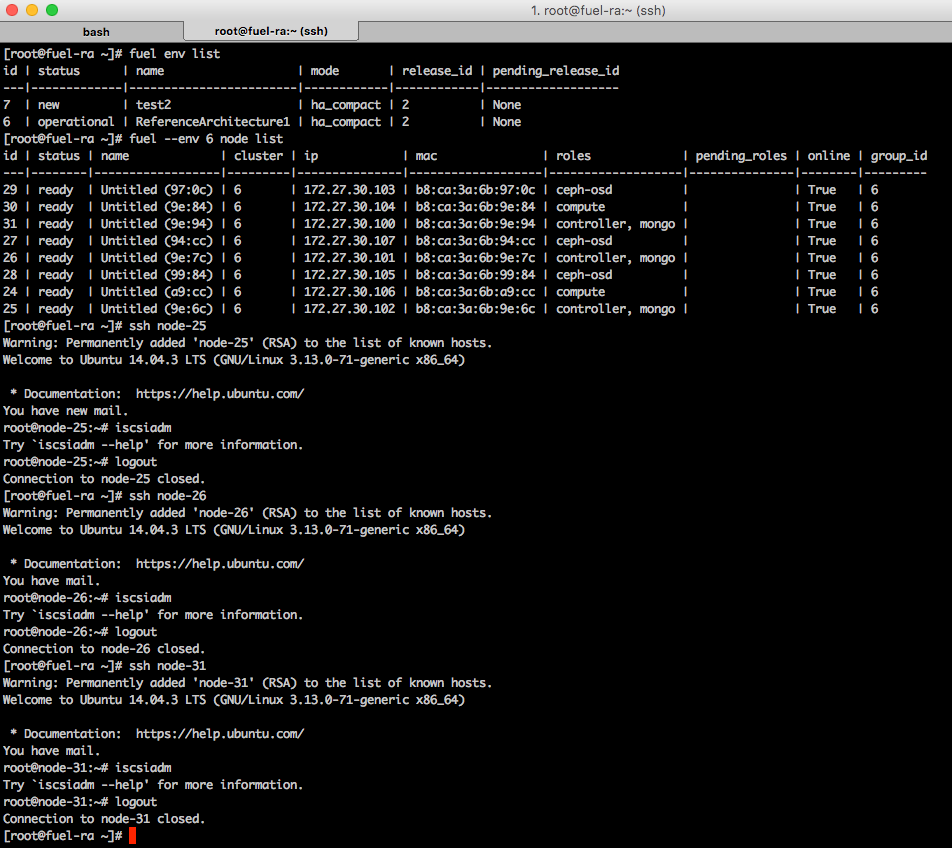


Figure 3: Verification of iscsiadm install on all controller nodes (i.e. Test 1s)

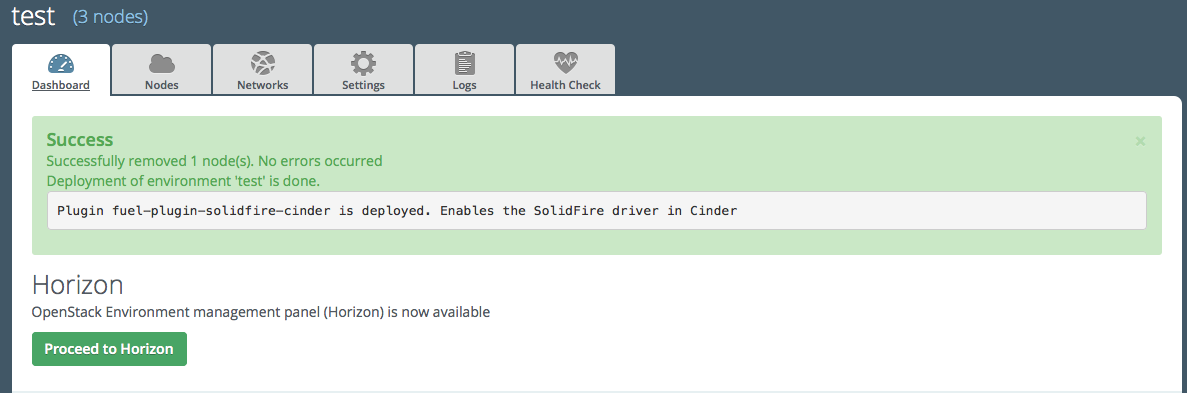
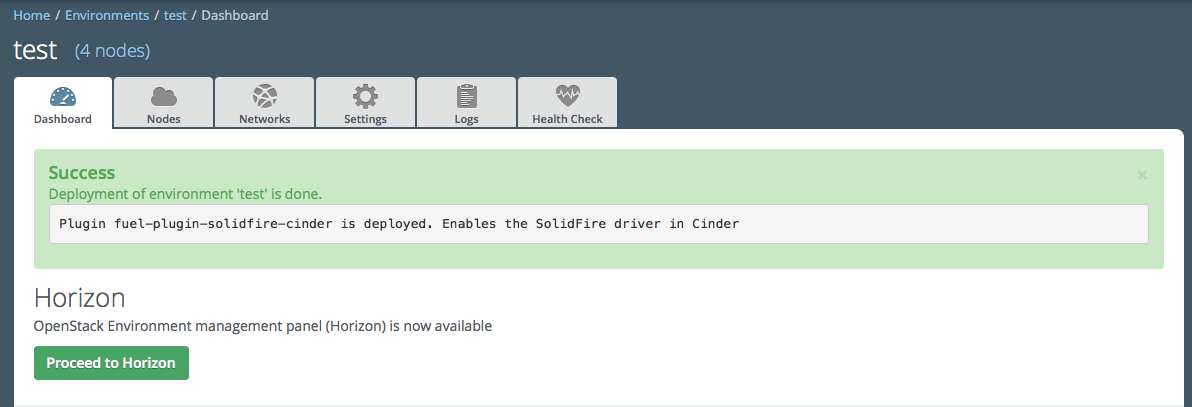
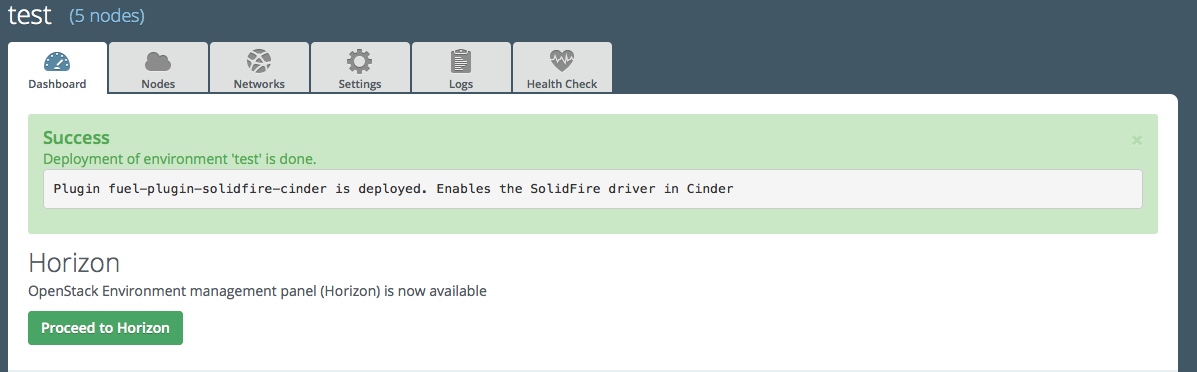


Figure : Output from Add/Remove Controller (i.e. Test #2)



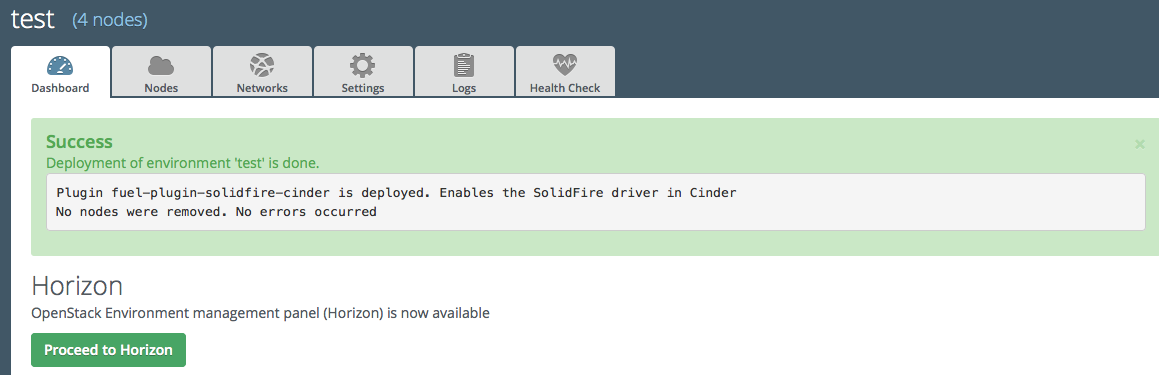


Figure : Output from Add/Remove Compute nodes (i.e. Test #3). Although the node was removed, the message indicates it was not (Fuel bug?)

[root@fuel7ga ~]# fuel plugins --remove fuel-plugin-solidfire-cinder==1.1.0

DEPRECATION WARNING: /etc/fuel/client/config.yaml exists and will be used as the source for settings. This behavior is deprecated. Please specify the path to your custom settings file in the FUELCLIENT\_CUSTOM\_SETTINGS environment variable.

400 Client Error: Bad Request (Can't delete plugin which is enabled for some environment.)

Figure : Output from uninstall plugin with deployed env (i.e. Test #4)

[root@fuel70ga2 ~]# fuel plugins --remove fuel-plugin-solidfire-cinder==1.1.0

DEPRECATION WARNING: /etc/fuel/client/config.yaml exists and will be used as the source for settings. This behavior is deprecated. Please specify the path to your custom settings file in the FUELCLIENT\_CUSTOM\_SETTINGS environment variable.

Loaded plugins: fastestmirror, priorities

Setting up Remove Process

Resolving Dependencies

--> Running transaction check

---> Package fuel-plugin-solidfire-cinder-1.1.noarch 0:1.1.0-1 will be erased

--> Finished Dependency Resolution

Dependencies Resolved

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Package Arch Version Repository Size

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Removing:

fuel-plugin-solidfire-cinder-1.1 noarch 1.1.0-1 @/fuel-plugin-solidfire-cinder-1.1-1.1.0-1.noarch 202 k

Transaction Summary

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Remove 1 Package(s)

Installed size: 202 k

Downloading Packages:

Running rpm\_check\_debug

Running Transaction Test

Transaction Test Succeeded

Running Transaction

Erasing : fuel-plugin-solidfire-cinder-1.1-1.1.0-1.noarch 1/1

Verifying : fuel-plugin-solidfire-cinder-1.1-1.1.0-1.noarch 1/1

Removed:

fuel-plugin-solidfire-cinder-1.1.noarch 0:1.1.0-1

Complete!

Plugin fuel-plugin-solidfire-cinder==1.1.0 was successfully removed.

Figure : Output from uninstall of plugin (i.e. Test #5)

## Known issues

* *None*