Dell Red Hat Cloud Solutions Release Notes

Release Notes for the Dell Red Hat Cloud Solutions
Version 2.0.1

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Revisions

Date	Person	Description
01/16/2015	RP, DM, CD	Final release version.

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Notes, Cautions, and Warnings

A **Note** indicates important information that helps you make better use of your system.

A **Caution** indicates potential damage to hardware or loss of data if instructions are not followed.

A **Warning** indicates a potential for property damage, personal injury, or death.

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Defects

This section describes currently-known defects for the Dell Red Hat Cloud Solutions, version 2.0.1. Workarounds are provided whenever possible.

OpenStack Foreman Installer

Table 1: OpenStack Foreman Installer Defects

Ref. #	Summary	Description	Workaround
CES-2676	RHEL 6.6 with *openstack-foreman-installer* installed fails to install.	When installing RHEL 6.6 with *openstack-foreman-installer* the installation fails, and produces Augeas library errors.	To exclude the Augeas libraries: `yum update --exclude augeas-libs`

Kickstart Files

Table 2: Kickstart Files Defects

Ref. #	Summary	Description	Workaround
CES-2677	*http_proxy* not set.	The *http_proxy* is not set on all systems by the kickstart files.	Set *http_proxy* on systems where it is not automatically set.

Ceph Documentation

Table 3: Ceph Documentation Defects

Ref. #	Summary	Description	Workaround
CES-2652	The Red Hat OpenStack Platform Integration with Ceph Guide contains incorrect commands.	Section 3.2.5, Ceph OSD Configuration Process, contains incorrect commands: • `ceph-deploy osd disk list ceph-osd1` • `ceph-deploy osd disk zap \ ceph-osd1:/dev/sdb`	Use the following commands instead: • `ceph-deploy disk list ceph-osd1` • `ceph-deploy disk zap \ ceph-osd1:/dev/sdb`

POC and Pilot Deployment Guides

Table 4: POC and Pilot Deployment Guides Defects

Ref. #	Summary	Description	Workaround
CES-2422[1]	The Deployment Guides do not account for public gateway interface configuration.	The Deployment Guides (POC & Pilot) have no references, instructions, or scripting to set up the public interface gateway on the controller node(s).	This needs to be set up manually, post installation, if you want access to the controllers/OSP dashboard through the public network. Not doing so renders that public vLAN redundant.
CES-2534[2]	Cannot use static IP addresses on the provisioning network.	The Deployment Guides' (POC & Pilot), the node network information configuration sections stipulate that you can use *static*/ *dhcp*/ *none*, and that all the `hammer set-parameter --name nics ...` commands use *static* as an example.	You **must** use *dhcp* for the interface on the provisioning network. This is because there is no way to specify a *GATEWAY* or *DEFROUTE* in the `set-parameter` call. Therefore, a node provisioned with a static IP will have no idea where to send outbound traffic, and *subscription-manager* will not be able to register the system.

POC Deployment Guide

Table 5: POC Deployment Guide Defects

Ref. #	Summary	Description	Workaround
CES-2678	The POC Deployment Guide is missing an update command.	Need to add an update command to RHEL 6.6, if you installed Foreman with RHEL 6.5.	Run the following command: `yum update`
CES-2388	The POC Deployment Guide is missing LVM creation for Cinder.	The missing LVM creation instructions are required to configure Cinder for LVM.	See this Red Hat support article: https://access.redhat.com/documentation/en-US/Red_Hat_Enterprise_Linux_OpenStack_Platform/3/html/Installation_and_Configuration_Guide/Configuring_for_LVM_Storage_Default.html

[1] CES-2422 applies to both the POC and Pilot Deployment Guides.
[2] CES-2534 applies to both the POC and Pilot Deployment Guides.

Ref. #	Summary	Description	Workaround
CES-2648	The POC Deployment Guide sets up *vlanManager* and not *DHCPManager*.	The POC Deployment Guide leaves OpenStack in *vlanManager* mode and not *DHCPManager*. The Reference Architecture does not call out a specific mode, but because of the way the network is configured only *DHCPManager* can work.	The installer will need to change the Compute (Nova Network) Host Group Parameter, *network_manager*, to be *DHCPManager*.

Pilot Hostgroups Deployment Guide

Table 6: Pilot Hostgroups Deployment Guide Defects

Ref. #	Summary	Description	Workaround
CES-2393	The *network_overrides* parameter text is confusing.	In Section 1, *Configure Hostgroup Parameters*, the verbiage to set the *network_overrides* parameter is unclear. This parameter is only applicable when Nova Network is in *VlanManager* mode.	VLAN should be the starting vLAN ID that Nova networking will use when networks are created within OpenStack.
CES-2651	Incorrect paths in commands in the Pilot Hostgroups Deployment Guide.	Section 2, *Ceph Configuration*, contains incorrect paths in the following commands: • `cp -v /usr/share/openstack-foremaninstaller/puppet/modules/quickstack/manifests/ceph/config.pp{,.bak}` • `sed -i '/file { "etc-ceph":/,${s/^/#/;};$s/^#//' \ /usr/share/openstack-foremaninstaller/puppet/modules/quickstack/manifests/ceph/config.pp`	These should read: • `cp -v /usr/share/openstack-foreman-installer/puppet/modules/quickstack/manifests/ceph/config.pp{,.bak}` • `sed -i '/file { "etc-ceph":/,${s/^/#/;};$s/^#//' \ /usr/share/openstack-foreman-installer/puppet/modules/quickstack/manifests/ceph/config.pp` The correct path to the foreman installer is `/usr/share/openstack-foreman-installer`.

Ref. #	Summary	Description	Workaround

CES-2662	The Pilot Hostgroups Deployment Guide is missing a section to update `quickstack_defaults.rb`	There is a step missing just prior to the following step in Section 1, *Configure Hostgroup Parameters*:
		
		Change to the */usr/share/openstack-foreman-installer* directory and execute the `bin/quickstack_defaults.rb` command as shown below.
		
		`# cd /usr/share/openstack-foreman-installer`
		
		`# bin/quickstack_defaults.rb -g config/hostgroups.yaml -d ~/dellpilot.yaml.erb -v parameters`
			You must:
			
			1. Ensure that the installer updates `quickstack_defaults.rb` content.
			
			2. Change *options.password = 'changeme'* to reflect the Foreman admin password that you will use with the `foreman-rake permissions:reset` command.

Pilot Deployment Guide

Table 7: Dell Pilot Deployment Guide Defects

Ref. #	Summary	Description	Workaround

CES-2390	The Pilot Deployment Guide contains hard-coded *medium-id* references.	There are several hardcoded references to the *medium-id* in Section 2 of the Pilot Deployment Guide that must be corrected.
		
		The *medium-id* should reference that which was created in sections 1.4 and 1.5:
		
		`hammer host create --name "${NAME}" --root-password 'CHANGEME' \`
		
		`--build true --enabled true --managed true --environment-id 2 \`
		
		`--domain-id 1 --puppet-proxy-id 1 --operatingsystem-id 2 \`
		
		`--subnet-id 1 --architecture-id 1 --medium-id 9 \`
		
		`--partition-table-id ${PTABLE} \`
		
		`--mac ${MAC}`
			1. Execute the following command:
			
			`hammer medium info --id <medium_id>`
			
			Then take the ID for the appropriate medium and substitute it into the `hammer host create` command.

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Ref. #	Summary	Description	Workaround

CES-2391	The Pilot Deployment Guide contains hard-coded *operatingsystem-id* references.	There are several hardcoded references to the *operatingsystem-id* in Section 2 of the Pilot Deployment Guide that must be corrected:
		
		`hammer host create --name "${NAME}" --root-password 'CHANGEME' \`
		
		`--build true --enabled true --managed true --environment-id 2 \`
		
		`--domain-id 1 --puppet-proxy-id 1 --operatingsystem-id 2 \`
		
		`--subnet-id 1 --architecture-id 1 --medium-id 9 \`
		
		`--partition-table-id ${PTABLE} \`
		
		`--mac ${MAC}`
			The *operatingsystem-id* should reference RHEL 7.
			
			1. Execute the following hammer command:
			
			`hammer os info --id <os_id>`
			
			Then take the ID for RHEL 7 and substitute it into the `hammer host create` command.

CES-2392	The Pilot Deployment Guide contains hard-coded *environment-id* references.	There are several hardcoded references to the *environment-id* in Section 2 of the Pilot Deployment Guide that must be corrected:
		
		`hammer host create --name "${NAME}" --root-password 'CHANGEME' \`
		
		`--build true --enabled true --managed true --environment-id 2 \`
		
		`--domain-id 1 --puppet-proxy-id 1 --operatingsystem-id 2 \`
		
		`--subnet-id 1 --architecture-id 1 --medium-id 9 \`
		
		`--partition-table-id ${PTABLE} \`
		
		`--mac ${MAC}`
			The *environment-id* should reference production. The hard-coded reference in the document that currently points to *2* must be updated.
			
			1. Execute the following command:
			
			`hammer environment info --id < environment_id>`
			
			Then take the ID for the production environment and substitute it into the `hammer host create` command.

CES-2644	The Pilot Deployment Guide specifies an incorrect bonding mode.	The example mode for bonding type starting on page 12 prescribes *mode=active-passive*.	This value must be set to *mode=balance-tlb* instead.

Ref. #	Summary	Description	Workaround
CES-2646	The Pilot Deployment Guide contains incorrect commands to configure repositories.	Page 16 in Section 2.4.3, *Configure the Repositories*, lists two invalid commands: • `hammer os set-parameter --host-id HOST_ID --name subscription_manager_repos --value "rhel-server-rhscl-7-rpms, rhel-7-server-rpms, rhel-7-server-openstack-5.0-rpms,rhel-ha-for-rhel-7-server-rpms"` `hammer os set-parameter --host-id HOST_ID --name subscription_manager_repos --value "rhel-server-rhscl-7-rpms, rhel-7-server-rpms, rhel-7-server-openstack-5.0-rpms"`	Use the following commands instead: • `hammer host set-parameter --host-id HOST_ID --name subscription_manager_repos --value "rhel-server-rhscl-7-rpms, rhel-7-server-rpms, rhel-7-server-openstack-5.0-rpms,rhel-ha-for-rhel-7-server-rpms"` • `hammer host set-parameter --host-id HOST_ID --name subscription_manager_repos --value "rhel-server-rhscl-7-rpms, rhel-7-server-rpms, rhel-7-server-openstack-5.0-rpms"` So, you should use the `hammer host set-parameter` command, and not the `hammer os set-parameter` command. Also, the document implies that these commands is should be run on the hosts. That is incorrect; they should be run on the Foreman node for each of the hosts.

Solution Admin Host (SAH) Deployment Guide

Table 8: SAH Deployment Guide Defects

Ref. #	Summary	Description	Workaround
CES-2429	POC network layout diagram is missing bonds on the SAH.	The POC network layout diagram does not show bond 0 & bond 1 on the SAH.	If you want to use a single interface, you must supply the appropriate parameters to create a bond that contains the single interface.

Getting Help

This section provides support and reference information for the Dell Red Hat Cloud Solutions.

Contacting Dell

For customers in the United States, call 800-WWW-DELL (800-999-3355).

✎ If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.

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2. Click your country/region at the bottom of the page. For a full listing of country/region, click **All**.
3. Click **All Support** from the **Support** menu.
4. Select the appropriate service or support link based on your need.
5. Choose the method of contacting Dell that is convenient for you.

References

Items that are not included, but must be referenced at the source:

- Ceph Adminstration - http://www.inktank.com/resources/
- EqualLogic Installation, Setup and Administration - www.dell.com/equallogic
- Red Hat Administration - www.redhat.com
- OpenStack Administration - www.openstack.org

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