

Dell Red Hat OpenStack Cloud Solution Errata - Version 5.0



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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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Critical Updates

Please contact the [Red Hat Customer Support Portal](#) to obtain critical bug fixes for the following products:

- Red Hat Enterprise Linux Server 7
- Red Hat OpenStack Platform
- Red Hat Ceph Storage

Version Lock File Update

This topic describes the fix for installing the Dell Red Hat OpenStack Cloud Solution version 5.0, and updated CDN packages.

Topics discussed include:

- [Updating the Version Lock File](#) on page 6
- [Locating the Version Lock File](#) on page 6
- [Applying the Version Lock File Fix](#) on page 7

Updating the Version Lock File

Due to the update of Redhat packages on CDN, the undercloud installation of OSP director will fail with package dependencies that have changed since the initial release of JS-5.0. During the installation of the undercloud, the installation will fail with:

```
the Stage[main]/Nova::Conductor/Nova::Generic_service[conductor]/
Package[nova-conductor]/ensure: change from absent to present failed:
Execution of '/bin/yum -d 0 -e 0 -y install openstack-nova-conductor'
returned 1: Error: Package: python2-cryptography-1.3.1-3.el7.x86_64 (rhel-7-
server-rpms)
Requires: python-cffi >= 1.4.1
Available: python-cffi-1.1.2-4.el7ost.x86_64 (rhel-7-server-
openstack-8-rpms)
```

To address this issue, two additional packages must be added to the list of packages that are version locked prior to installation of the Red Hat OpenStack Director packages. This can be done prior to the deployment of the Director Node or post deployment after the issues have been encountered. The steps to address both are listed below.

Locating the Version Lock File

Locate the `director_vm.vlock` file as follows:

For manual installations:

1. Log into the SAH node as the `root` user.
2. Extract the `DELL-OSP-5.0.0.tgz` file into the `/root` directory.
3. Change to the `/root` directory, and then extract the `dell-mgmt-node.tgz` file.

The `director_vm.vlock` file is located in the `mgmt` directory that was created.

For automated installations:

1. Log into the ACS.
2. Download the `automation-JS-5.0.tar.gz` file to the `/root` directory.

The `director_vm.vlock` file is located in the `/root/cloud_repo/data/vlock_files` directory that was created.

Applying the Version Lock File Fix

Apply the version lock file fix as follows:

For pre-deployment of the Director Node:

1. Edit the `director_vm.vlock` file with an editor of your choice, and add the following two packages to the list. They can be placed anywhere within the file:
 - `python2-cryptography-1.2.1-3.el7ost.*`
 - `python2-pyasn1-0.1.9-1.el7ost.noarch`
2. Save the file.
3. Depending upon your deployment method, perform the installation as found in the corresponding document:
 - a. **Manual deployments** — [Dell Red Hat OpenStack Cloud Solution Deployment Guide](#)
 - b. **Automated deployments** — [Dell Red Hat OpenStack Cloud Solution Automated Deployment Guide](#)

For post-deployment:

1. On the Director Node, edit the `versionlock.list` file located in the `/etc/yum/pluginconf.d/` directory.
2. Add the package noted above anywhere within the file.
3. Save the file.
4. Re-run the `install-director.sh` script.

References

Additional information can be obtained at <http://www.dell.com/en-us/work/learn/openstack-cloud> or by e-mailing openstack@dell.com.

If you need additional services or implementation help, please contact your Dell sales representative.

To Learn More

For more information on the Dell Red Hat® OpenStack Cloud Solution visit <http://www.dell.com/learn/us/en/04/solutions/red-hat-openstack>.

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