Dell Red Hat Cloud Solutions   
Documentation Index

A Compilation of Documents for the Dell Red Hat Cloud Solutions

Version 2.0

October 28, 2014

# Revisions

|  |  |  |
| --- | --- | --- |
| Date | Person | Description |
| 09/23/2014 | DM | Initial draft. |
| 10/10/2014 | RP | Updated with current documents. |
| 10/27/2014 | DM, RP | Updated with Pilot documentation references. |

This document is for informational purposes only and may contain typographical errors and technical inaccuracies. The content is provided as is, without express or implied warranties of any kind.

# Contents

[Revisions 2](#_Toc402192409)

[Contents 3](#_Toc402192410)

[Trademarks 4](#_Toc402192411)

[Overview 5](#_Toc402192412)

[Prerequisites 5](#_Toc402192413)

[Guides 6](#_Toc402192414)

[Proof of Concept Solution 6](#_Toc402192415)

[Pilot Solution 7](#_Toc402192416)

[References 8](#_Toc402192417)

[To Learn More 8](#_Toc402192418)

# Trademarks

**©** 2011 -2014 Dell Inc. All rights reserved.

Dell Precision™, OptiPlex™, Latitude™, PowerEdge™, PowerVault™, PowerConnect™, OpenManage™, EqualLogic™, KACE™, FlexAddress™ and Vostro™ are trademarks of Dell Inc.

Other trademarks used in this text: Nagios®, Opscode Chef™, OpenStack™, Canonical Ubuntu™, and VMware™. Cloudera, CDH, Cloudera Impala, and Cloudera Enterprise are trademarks of Cloudera and its affiliates in the US and other countries. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Dell Inc. disclaims any proprietary interest in trademarks and trade names other than its own.

Intel®, Pentium®, Xeon®, Core™ and Celeron® are registered trademarks of Intel Corporation in the U.S. and other countries. AMD® is a registered trademark and AMD Opteron™, AMD Phenom™, and AMD Sempron™ are trademarks of Advanced Micro Devices, Inc. Microsoft®, Windows®, Windows Server®, MS-DOS® and Windows Vista® are either trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. Red Hat Enterprise Linux® and Enterprise Linux® are registered trademarks of Red Hat, Inc. in the United States and/or other countries. Novell® is a registered trademark and SUSE ™ is a trademark of Novell Inc. in the United States and other countries. Oracle® is a registered trademark of Oracle Corporation and/or its affiliates. Citrix®, Xen®, XenServer® and XenMotion® are either registered trademarks or trademarks of Citrix Systems, Inc. in the United States and/or other countries. VMware®, Virtual SMP®, vMotion®, vCenter®, and vSphere® are registered trademarks or trademarks of VMware, Inc. in the United States or other countries.

Red Hat®, Red Hat® Enterprise Linux®, the Shadowman logo, and JBoss are trademarks of Red Hat, Inc., registered in the U.S. and other countries. Linux® is the registered trademark of Linus Torvalds in the U.S. and other countries. Novell® is a registered trademark and SUSE ™ is a trademark of Novell Inc. in the United States and other countries. Oracle® is a registered trademark of Oracle Corporation and/or its affiliates. Citrix®, Xen®, XenServer® and XenMotion® are either registered trademarks or trademarks of Citrix Systems, Inc. in the United States and/or other countries. VMware®, Virtual SMP®, vMotion®, vCenter®, and vSphere® are registered trademarks or trademarks of VMware, Inc. in the United States or other countries.

DISCLAIMER: The OpenStack® Word Mark and OpenStack Logo are either registered trademarks/service marks or trademarks/service marks of the OpenStack Foundation, in the United States and other countries, and are used with the OpenStack Foundation's permission. We are not affiliated with, endorsed or sponsored by the OpenStack Foundation or the OpenStack community.

# Overview

The Dell Red Hat Cloud Solutions Index of Documents contains links to all documents that you should read in order to successfully deploy the Dell Red Hat Cloud Solutions. The documents are listed in the order in which they are used. In addition, the Index of Documents contains links to deployment scripts, tools, and workbooks.

## Prerequisites

You must identify your deployment type:

* Pilot – all Pilot and Ceph documents must be completed
* Proof of Concept (PoC) – some documents are not used.

In addition, you must have:

* A machine that can be used to generate the Kickstart file for the SAH
* A machine to connect to the servers’ iDRACs, or console access to the servers
  + With console access you will need:
    - A USB key or DVD that contains the Kickstart file
    - Another USB key or DVD that contains the installation media
* Access to the appropriate Red Hat repositories, and the correct methods to access them, including but not limited to:
  + Credentials
  + FQDN
  + Proxy

# Guides

Here you will find the requisite guides for the following Dell Red Hat Cloud Solutions:

* Proof of Concept Solution (see below)
* Pilot Solution (see page 7)

## Proof of Concept Solution

Table 1 contains a list of all documents, in order of usage, that are required for a successful Dell Red Hat Cloud Solutions Proof of Concept (POC) deployment. Choose the script package based upon your preference.

Table 1: Proof of Concept Solution – Documents in Order of Usage

| **Document** | Location |
| --- | --- |
| **Reference Architecture** | <https://wiki.opencrowbar.org/download/attachments/6326050/Dell%20Red%20Hat%20Cloud%20Solutions%20Reference%20Architecture%20Guide.pdf?api=v2> |
| OSP Proof of Concept (PoC) templates and scripts used (tgz compressed) | <https://wiki.opencrowbar.org/download/attachments/6326050/dell-poc-deploy.tgz?api=v2> |
| OSP Proof of Concept (PoC) templates and scripts used (zip compressed) | <https://wiki.opencrowbar.org/download/attachments/6326050/dell-osp-poc.zip?api=v2> |
| **Dell Red Hat PoC Checklist** | <https://wiki.opencrowbar.org/download/attachments/6326050/dell-poc-checklist.pdf?api=v2> |
| **Hardware Deployment Guide** | <https://wiki.opencrowbar.org/download/attachments/6326050/Dell_RHOS_Powered_Cloud_Solution_Deployment_Guide.pdf?api=v2> |
| **PoC Workbook for network and hardware config** | <https://wiki.opencrowbar.org/download/attachments/6326050/Proof_of_Concept_Bundle.xlsx?api=v2> |
| **Solution Admin Host Deployment Guide** | https://wiki.opencrowbar.org/download/attachments/6326050/dell-sah-deploy.pdf?api=v2 |
| **Foreman Virtual Machine Deployment Guide** | <https://wiki.opencrowbar.org/download/attachments/6326050/dell-sah-foreman-deploy.pdf?api=v2> |
| **OpenStack Foreman Installation Proof of Concept (POC) Deployment Guide** | <https://wiki.opencrowbar.org/download/attachments/6326050/dell-poc-deploy.pdf?api=v2> |
| **OpenStack Foreman Installation Pilot Deployment Guide** | <https://wiki.opencrowbar.org/download/attachments/6326050/dell-pilot-deploy.pdf?api=v2> |

## Pilot Solution

Table 2 contains the locations of all documents and scripts needed to deploy the Pilot solution. Choose the script package based upon your preference.

Table 2- Pilot Solution - Documents in Order of Usage

| **Document** | Location |
| --- | --- |
| **Reference Architecture** | <https://wiki.opencrowbar.org/download/attachments/6326050/Dell%20Red%20Hat%20Cloud%20Solutions%20Reference%20Architecture%20Guide.pdf?api=v2> |
| OSP Pilot templates and scripts used (tgz compressed) | <https://wiki.opencrowbar.org/download/attachments/6326050/dell-pilot-deploy.tgz?api=v2> |
| OSP Pilot templates and scripts used (zip compressed) | <https://wiki.opencrowbar.org/download/attachments/6326050/dell-pilot-deploy.zip?api=v2> |
| **Dell Red Hat Pilot Checklist** | <https://wiki.opencrowbar.org/download/attachments/6326050/dell-pilot-checklist.pdf?api=v2> |
| **Hardware Deployment Guide** | <https://wiki.opencrowbar.org/download/attachments/6326050/Dell_RHOS_Powered_Cloud_Solution_Deployment_Guide.pdf?api=v2> |
| **Pilot Workbook for network and hardware config** | <https://wiki.opencrowbar.org/download/attachments/6326050/Pilot-Bundle-ceph.xlsx?api=v2> |
| **Solution Admin Host Deployment Guide** | https://wiki.opencrowbar.org/download/attachments/6326050/dell-sah-deploy.pdf?api=v2 |
| **Foreman Virtual Machine Deployment Guide** | <https://wiki.opencrowbar.org/download/attachments/6326050/dell-sah-foreman-deploy.pdf?api=v2> |
| **Ceph Virtual Machine Deployment Guide** | <https://wiki.opencrowbar.org/download/attachments/6326050/dell-sah-ceph-deploy.pdf?api=v2> |
| **OpenStack Foreman Network Bond Provisioning Guide** | <https://wiki.opencrowbar.org/download/attachments/6326050/bonding-snippet.pdf?api=v2> |
| **OpenStack Foreman Installation Pilot Deployment Guide** | <https://wiki.opencrowbar.org/download/attachments/6326050/dell-pilot-deploy.pdf?api=v2> |
| **Dell Pilot Hostgroups Deploy Guide** | <https://wiki.opencrowbar.org/download/attachments/6326050/dell-pilot-hostgroups-deploy.pdf?api=v2> |
| **Ceph Deployment Guide with Foreman** | <https://wiki.opencrowbar.org/download/attachments/6326050/RHOSP%20to%20Ceph%20Integration-Foreman.pdf?version=1&modificationDate=1413400004987&api=v2> |
| **Dell Pilot Hostgroups Deployment Guide** | <https://wiki.opencrowbar.org/download/attachments/6326050/dell-pilot-hostgroups-deploy.pdf?api=v2> |

# References

Items that are not included, but must be referenced at the source this includes looking up any errata and security updates/reccomendations:

* Ceph Adminstration - <http://www.inktank.com/resources/>
* EqualLogic Installation, Setup and Administration - [www.dell.com/equallogic](http://www.dell.com/equallogic)
* Red Hat Administration - [www.redhat.com](http://www.redhat.com)
* OpenStack Administration - [www.openstack.org](http://www.openstack.org)

# To Learn More

For more information on the Dell Red Hat Cloud Solutions, visit:

[www.dell.com/OpenStack](http://www.dell.com/OpenStack)

©2011 - 2014 Dell Inc. All rights reserved. Trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Specifications are correct at date of publication but are subject to availability or change without notice at any time. Dell and its affiliates cannot be responsible for errors or omissions in typography or photography. Dell’s Terms and Conditions of Sales and Service apply and are available on request. Dell service offerings do not affect consumer’s statutory rights.

Dell, the DELL logo, and the DELL badge, PowerConnect, and PowerVault are trademarks of Dell Inc.