Home Depot Upgrade - August 2017

*2015.3.3 to 2016.4.2*

Upgrade points of contact: Andrew, Patrick, John

Upgrade will occur starting at 9am ET and concluding by 7pm ET.

* Thursday, 8/24 (DC)
* Monday, 8/28 (Stores)

Upgrade prep will be done Wednesday and Friday.

**Non-Prod upgrade debrief:**

During the install while running the upgrade there were calls out to Amazon S3/Puppet Forge. THD takes issue with the fact that they have to go outside of their own network and download files. Could be an issue in the future for PCI. Erik let them know that the upgrade process was streamlined in 2016.4.5. In this version of PE the CMs will reach out to the MOm for those agent packages instead of looking to the internet.

THD did not review the release notes before the upgrade. Only looked at release notes back in December.

**2016.4.2**

Agent Components:

* Puppet Agent 1.7.1
* Puppet 4.7.0
* Facter 3.4.1
* Hiera 3.2.1
* MCollective 2.9.0

Puppet Server Components:

* Puppet Server 2.6.0
* PuppetDB 4.2.3
* R10k 2.4.3

**Upgrade Questions**

1) During Non-Prod upgrade THD had to run MCollective agent across the entire environment in Non-Prod. The MCollective agents were ‘quirky’ before that environment-wide run. What the team was was that it said it ran on the agent but it wasn’t truly run. After Puppet was run and it applied the MCollective module, everything worked fine.

Synchronization issues related to ActiveMQ config and PE classification when upgrading from 2015.2.1 (or earlier) were resolved in 2016.4.7.

<https://docs.puppet.com/pe/2016.4/release_notes_resolved_issues.html#activemq-configuration-and-pe-classification-werent-synched-after-upgrade-from-201521-or-earlier>

**2) Noticed verbose logging (metadata.json) on Compile Masters after upgrade. Looking for recommendations on how to tune logging.**

Opened ticket in ZenDesk for this issue. <https://puppetlabs.zendesk.com/agent/tickets/27036>

**3) Required parameters for the pe.conf file in split installs**

The required parameters for the pe.conf file in split installs can be found in the docs:

<https://docs.puppet.com/pe/2016.2/install_pe_conf_param.html#required-parameters-for-split-installations>

**4) Bootstrap.cfg Configuration in Puppet Server 2.5.0 and beyond**

In 2015.3.3 Puppet Server 2.2.1 was in use. Versions of Puppet Server 2.5.0 and newer create a new configuration file /etc/puppetlabs/puppetserver/services.d/ca.cfg, if it doesn’t already exist, and this new file enables CA services by default. Please review the following doc about how to manage your CA in PuppetServer 2.6.0.

<https://docs.puppet.com/puppetserver/2.6/bootstrap_upgrade_notes.html>

**5) Changes between 2015.3.3 and 2016.4.2 from an Upgrade perspective**

### While going through the upgrade documentation the changes to auth.conf stood out. According to the docs, in previous versions of PE, the auth.conf file managed access to Puppet’s HTTPS API. This file was located at /etc/puppetlabs/puppet/auth.conf on the Puppet master. This auth.conf file is no longer supported in PE.

A detailed explanation of this can be found in the docs at: <https://docs.puppet.com/pe/2016.4/upgrade_split.html#changes-to-authconf-when-upgrading>

**6) Notable resolved issues in 2016.4.2**

All known issues for 2016.4.x are documented a the following link. Please read through the installation and upgrade section in particular:

<https://docs.puppet.com/pe/2016.4/release_notes_known_issues.html>

To understand deprecations and removals in 2016.4 please checkout the docs. There a number of notable changes.

<https://docs.puppet.com/pe/2016.4/release_notes.html#deprecations-and-removals-in-pe-20164>

Resolved Issues in 2016.4.2

<https://docs.puppet.com/pe/2016.4/release_notes_resolved_issues.html#resolved-issues-in-pe-201642>

2016.4.2. vs. latest release of LTS

Is this a supported upgrade path?