Transitioning from MCollective to Orchestration

*Home Depot*

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Bill, Dwight - Orchestrator & MCO

* Dwight - MCO focused, Broker
* Bill - Learning Broker and Trinity portion (lower lifecycle portion of broker)

# Coexistence

**Can their MCO and Orchestrator setup exist side-by-side?**

Yes, no concerns.

**PE Infrastructure Strain**

No anticipated strain will be placed on existing PE infrastructure

**Agent Version Upgrades**

Recommended Agent version is 5.3.2. For this upgrade it’s not recommended to have an Agent below version 1.3.2 to ensure that Orchestrator jobs can run.

* Orchestrator Jobs - Requires Agent version 1.3.2+, which shipped with 2015.3.0.
* Ad-Hoc Tasks - Requires Agent version 5.3.2+ which shipped with 2017.3.0.
* Current Infrastructure State - Requires Agent version 1.7.1+ which shipped with 2016.4.0.
* No-Op Reporting - Requires Agent version 1.7.1+ which shipped with 2016.4.0.
* Package Inspector - Requires Agent version 1.6.0+ which shipped with 2017.2.0.

# Integration

**What resources does THD need to be successful with their integration with ServiceNow?**

Orchestrator API

**R10k Workflow**

<https://github.com/puppetlabs/puppetlabs-mco_rpc>

# Scaling

**What pre-planning steps can THD take to ensure that Orchestration scales to their level (30k managed nodes)?**

If you’re infra is setup for your scale you should be fine.

# Upgrade Impacts

Less work when upgrading.

# Reasons to upgrade to 2017.3.z

Requires agent upgrade → <https://tickets.puppetlabs.com/browse/PA-1168>

It can result in MCO servers that don't respond to commands. Basically, if there's a network issue that interrupts the connection between the MCO servers and ActiveMQ, the agent's won't detect it as quickly as they should. Which can lead to a population of AWOL agents if network issues are common.