| **Project** | | | |
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| **Client:** | The Home Depot | **Date:** | 11/02/17, 3:00-3:30 CT |
| **Home Depot Attendees:** | John Thebault | **Puppet Attendees:** | Erica Sivak  Greg Loughmiller |
| **Location:** | Conference Call | **Meeting Name** | Puppet / The Home Depot Weekly TAM Sync |

| **Goals** | | | |
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| **Items** | **Forecast Date** | **Actual Date** | **Status** |
| Converting from HPSA OpsWare to Puppet | FY17 Q1 | 6/15/2017 | Complete |
| Upgrade from 2015.3.3 to 2016.4.2 | FY17 Q1 | TBD | In Progress |
| Switch from r10k mco to Code Manager | FY17 Q1 | TBD | In Progress |

| **Discussion Topics** | |
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| **Topic** | **Discussion** |
| Open Support Tickets | 2 major efforts: re ip everything and it was during that he saw things weren’t working. Mcollective was the culprit.  Send release notes.  [27937 - MCollective agent service not fully responsive](https://puppetlabs.zendesk.com/agent/tickets/27937) (Pending)  MCO agents are only responding to MCO pings. Any other interactions with the mco agent timeout. Have to login and restart the mco service.  Advice: update ulimits on the hubs and spokes. Kel indicated they’d have to go through change control since it’s prod. Kel identified that the nofile settings were not set and then restarted pe-activemq and mcollective on hubs/spokes. Ulimit was higher than the recommendation.  No longer 15-17% failure rate. Failure rate of 2-3%.  Memory leak in activemq and have not done the workaround. It’s done in Dev.  Fixes in 2016.4.3 and 2016.4.6  [27939 - Postgres max\_connection limit reached](https://puppetlabs.zendesk.com/agent/tickets/27939) (Pending)  Close to max of 200 connections in Postgres. Max\_connection setting was adjusted to 400. Tom sent over the pooling settings (max pool size).  Upgraded the connection limit. Wondering if these cause some of the odd 1-2% issues. Comparing to what they have ont he spacewalk side. The spacewalk connections start at about 800 db connections and go up from there. Oracle DB.  Wants not just the minum req but is there an optimal tuning?  [27935 - rpmdb corruption](https://puppetlabs.zendesk.com/agent/tickets/27935) (Pending)  Kel opened this one. Rpmdb corruction occassionally happening. Tom provided a workaround and is working with an engineer. Did the workaround work?  Would love to have a way to figure out to check and monitor when mcollective doesn’t run? Is there a way to do this?  [27659 - Logical volumes and puppet](https://puppetlabs.zendesk.com/agent/tickets/27659) (Pending) |
| Health Check Debrief | Sean’s experience was positive.  There is still the issue of how we fix structurally getting him up to speed on docs that THD already provided.  Feedback from Chirs was good. Felt he understood their workings.  He got that they’re doing just Puppet and Hiera code.  Figured out one part of Puppet workflow (6 steps) that was automated. Different model than your straight devops flow.  Intersted in the outcome of the health check. Non prod was where the module went.  Good way of calling from two different control repos. Not able to do code manager demo. Saved it for the last day. Due to a firewall issue.  Current version of ‘stuff’ need to go from CMs up to Git and that’s where current firewall rules provide. With code manager have to go with the MOM up. Left the instructions. Have put in the firewall rule. When that’s done the intent is to walk through the documentation to standup code manager. Real question is about speed. Setting up in Dev.  What is the performance of code manager? Not sure how fast it is today with mco/r10k. Relatively fast.  3 steps in the current module deploy process (including validation piece). Git > Validate (onceover) > Update Hiera > Make r10k/mco run> trigger a Puppet run . In store env is 1.5 min for a specific team.  Scale is the same in dev as it is in np/prod. |
| Additional Questions | Bill Ward has been working with someone at Puppet and Terraform. Written 3 Terraform (public) modules that push and deploy Terraform in a container and go.  Invite Bill to that call.  Upgrade to Sat 6 and the challenges there. As move forward with that they can deploy containers (cannot do right now).  3 areas in the cloud:   1. How do i put some/all of my pe infra in cloud? Wants to rebuild the cms for upgrades and go. 2. How do I use PE to start knocking out/running containers in the cloud? Managing containers with Puppet. 3. Maybe we start with this one. Manage cloud instances. |

| **Risks Raised** | | | | |
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| None at this time. | | | | |

| **Support Tickets** | | |
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| **Ref #** | **Change** | **Status** |
| [24952](https://puppetlabs.zendesk.com/agent/tickets/24952) | Long running puppet agent -t --noop --debug | Pending |
| [26381](https://puppetlabs.zendesk.com/agent/tickets/26381) | mco puppet runonce took an hour to run | Pending |
| [24952](https://puppetlabs.zendesk.com/agent/tickets/24952) | John Thebault - Long running puppet agent -t --debug --noop | Pending |

| **Jira Tickets** | | |
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| **Ref #** | **Change** | **Status** |
| [PDB-2487](https://tickets.puppetlabs.com/browse/PDB-2487) | Allow for a "resource-events-ttl" to reduce the number of days of events that are stored ([16899](https://puppetlabs.zendesk.com/agent/tickets/16899)) | Open |
| [ENTERPRISE-594](https://tickets.puppetlabs.com/browse/ENTERPRISE-594) | Compile Master Installs should not reach out to the internet for agent tarballs ([17472](https://puppetlabs.zendesk.com/agent/tickets/17472)) | Open |
| [SERVER-377](https://tickets.puppetlabs.com/browse/SERVER-377) | “puppetserver gem” command doesn’t work from behind a proxy server ([16979](https://puppetlabs.zendesk.com/agent/tickets/16979)) | Resolved |
| [PE-14397](https://tickets.puppetlabs.com/browse/PE-14397) | pe-orchestrator class is absent from the console classification after an upgrade from a monolithic installation ([17041](https://puppetlabs.zendesk.com/agent/tickets/17041)) | Closed |
| [FACT-1379](https://tickets.puppetlabs.com/browse/FACT-1379) | Facter returns incorrect MAC address for bonded interfaces ([17577](https://puppetlabs.zendesk.com/agent/tickets/17557)) - fixed in 2016.1.2 | Closed |
| [PUP-6099](https://tickets.puppetlabs.com/browse/PUP-6099) | Additional file and mount auto require - fixed in 2016.2 | Closed |