**The Home Depot proposed Agenda:**

**Attendees:**

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**NOTES:**

Orchestrator Status - Concern is they need more data: Is it healthy? Concern is they want to get proactive. Per Zachary Hardin.

Grafana - Want to understand metrics colors. How to interpret?

Core services - API errors. Will follow up.

Orchestrator Tokens - Certificate expiration. Token page is coming in 8.5. Concern with the data being email.

Poor Filters - API search for wildcard.

Result export -> Need API.

Puppet Orchestrator has a queuing issue -> Puppet Deploy command -s tags. 50 to 100 changes per day. Ticket out there to limit concurency per job. If it works with more jobs what is the foll over point? Would like a roadmap on the increase in jobs and when that is out there.

Upgrade modules - Forge has puppet agent module.

Compliance is HUGE -> sign key, tag, and deploy. “Can’t Cook an oven if you’re cleaning it”.

They want to know how to get proactive in Puppet.

Ticket concerns -> PS engagement.

Nate:

TALK about bolt\_shm.

Grafana queries to create threshold for email.

Per Margaret:

Data -> is a huge and important.

Alerting -> Need to figure out how to expose Data.

Ping Carl regarding data (5&6)

Puppet Orch

**Top Agenda Items:**

1. Feature requests follow up
2. I’ve asked Margeret Lee, Product Manager to this meeting to add to the discussion.

| Description | Status, Solution, or Location on Productboard |
| --- | --- |
| Code Manager takes too long | Completed. Development contacted me 11/19/20 that they would like THD to test this against 2019.8.4 |
| Puppet Self-healing | [https://portal.productboard.com/puppet/1-puppet-idea-portal/c/42-self-healin](https://portal.productboard.com/puppet/1-puppet-idea-portal/c/42-self-healing)g |
| Puppet Upgrades are cumbersome/troublesome | <https://portal.productboard.com/puppet/1-puppet-idea-portal/c/48-upgrade-improvements-for-2019-8> |
| Metrics. Get indication of how the env is acting in real time. | <https://forge.puppet.com/modules/puppetlabs/puppet_metrics_collector> |
| No Puppet Orchestrator Status |  |
| Core services show green in console, but it is not. | <https://forge.puppet.com/modules/puppetlabs/puppet_metrics_collector> |
| Not way to identify Orchestrator token is still good. | Compleated in RBAC 2019.8.x<https://puppet.com/docs/pe/2019.8/rbac_api_v2_tokens_endpoints.html#rbac_api_v2_auth_token_auth_post> |
| Poor filters on Puppet Job for nodes | Improved filtering in 2019.8.4 |
| There is currently not a way for PDK to test via onceover using PDK to test duplicate declarations in modules. | Paul to follow up with PDK team |
| There is currently not a way for PDK to test the control repository to ensure the Puppetfile, hieradata, and roles/profiles are using the proper syntax. | Paul to follow up with PDK team |
| There isn't a way to export the puppet jobs that have ran into a file that can be emailed to customers via the Puppet Console. | Single job can be exported via the GUI in 2019.8.4 |
| Puppet Orchestrator has a queing issue when we run a high number of systems in one puppet task. So if I run 1499 systems in one puppet task it uses all 250 concurrent jobs and everything queues up until a slot is free from the job that had 1499 systems. | <https://portal.productboard.com/puppet/1-puppet-idea-portal/c/191-orchestrator-command-deploy-parity-with-mcollective-puppet-agent> |
| Puppet Orchestrator does not have a way to give a count of how many jobs are using the 250 slots, and which jobs are queued up behind it via an API. | <https://puppet.com/docs/pe/2019.8/upgrading_agents.html> |
| Node Graph Deprecated |  |
| What is the best way to upgrade agents? | <https://puppet.com/docs/pe/2019.8/upgrading_agents.html> |
|  |  |

1. 2019.2.x -> 2019.8.5 upgrade
   1. Benefits (Upside)
      1. Next LTS
      2. Currently has 3 feature requests of THD implemented
      3. Support until June 30th 2022
      4. Multiple Security improvements
      5. Compiler Improvements/ Scaling
      6. New Task/Target API
      7. New Job run options
         1. Debug
         2. Dtrace
         3. Eval-trace
      8. PostgreSQL Improvements
      9. Node Test connections options
      10. Code Manager Improvements
      11. **I have about 10 more improvements and sub-points**
   2. Downsides
      1. Node Graph removed
      2. Text Installer removed
      3. Legacy compilers deprecated
      4. Puppet Server (master)
         1. Deprecated on EL6 and Ubuntu 16.06
2. Training/ Webinar Opportunities
   1. Securing Systems at Scale with Puppet and Bolt
      1. <https://info.puppet.com/AMER-2021-01-12-Bolt-Workshop_Register.html>
   2. Manage Infra. At Scale, Securely, and Safely with Puppet (CD4PE)
      1. <https://info.puppet.com/AMER-2021-01-19-CD4PE-Workshop_Register.html>
3. Puppet Idea Portal Formatting
   1. Followed up with Jed
   2. Limitation of the toolset from upstream.
   3. Focus of the tool is to write “What the problem is”
      1. This is the deliverable.
      2. Puppet will follow up with questions if necessary

**Follow up Items for Puppet:**

1. Schedule Meeting to review Puppet/ THD history
   1. Identify Quantifiable existing problems/ concerns
   2. Determine what a successful partnership looks like.
   3. Create a Customer Success Plan with this information for 2021
2. Support tickets in December/ January.

**Follow up items for The Home Depot:**

1. Environment overview on THD and Puppet implementation
   1. Why?
      1. I would like to update the notes on Puppet’s end
      2. I want to understand how The Home Depot creates modules within R10k
      3. I want to understand THD’s module design patterns
      4. **I want to be the best advocate for The Home Depot.**
      5. Curiosity… I was a developer/engineer for years :)
   2. When?

**Parking Lot/ Other & Future Topics:**

1. Topics that need more discussion in the next meeting and future discussions about Puppet, CD4PE, Bolt, Comply, Remediate, Roadmaps, etc..