



Introduction To Puppet

Lesson 03 – Puppet Platform Options

Lesson Objectives

■ Puppet Platform Options

- Open Source Puppet
 - Advantages and limitations of using Open Source Puppet
- Puppet Enterprise
- Features of Puppet Enterprise
 - **Packaging**
 - **Out-of-the-box Scalability**
 - **User Interface**
 - **Puppet Apps**
 - **Capabilities**
- Puppet Enterprise Licensing



Puppet Platform Options

- Puppet is Infrastructure management platform that allows automation of repeated tasks and it also includes its own declarative language to describe system configuration
- The primary product of Puppet company is Puppet Enterprise, it comprises a commercially supported version of its open-source configuration management tool
- Puppet Platform is available as ...
 - Open Source Puppet
 - Puppet Enterprise

Open Source Puppet Platform

- Open Source Puppet is IT management tool written in Ruby
- Primarily maintained by Puppet Labs
- Open source Puppet is free for use and open to modification and customization
- With this one gets a comprehensive tool with core CM capabilities and functionality out-of-the-box
- With the required skill set it can be tweaked and improved upon directly through modifying its source code directly
- You get access to a huge collection of modules: reusable, sharable units of code that can in turn be used to extend Puppet across your infrastructure by automating tasks such as setting up a database, web server, or mail server, among others.

Open Source Puppet Platform <continued...>

- The PuppetForge module repository that is the 3,500+ module library
- Excellent documentation, online resources
- It lacks GUI
- Used in smaller infrastructures and deployments

Puppet Enterprise Platform

- Puppet Enterprise makes it easy to automate the provisioning, configuration and ongoing management of your machines and the software running on them
 - Reduce cycle times to get more software deployed
 - Make fast, iterative changes
 - Define a configuration once, and apply it to thousands of machines
 - Automatically remediate configuration drift
 - Get detailed insight into hardware and software configurations

Puppet Enterprise Features

- Following are the features that are popular reasons large organizations choose Puppet Enterprise
 - **Packaging** - Puppet Enterprise includes over 40+ open source projects
 - **Out-of-the-box Scalability** - Puppet Enterprise is stable, tested and includes a multi-master installer for large deployments
 - **User Interface** - an intuitive, visual environment containing an extensive collection of highly useful features
 - **Puppet Apps** : Puppet Node Manager, Puppet Code Manager , Puppet Configuration Manager
 - **Enterprise-only Capabilities** : Reporting, Event Inspection

Puppet Enterprise Features <continued...>

■ Features of Puppet Enterprise ...

- **Supported Modules** : Enterprise customers can call support when they need help with any one of the Puppet Supported modules. Supported modules include critical services such as Apache, MySQL, NTP, F5, Windows Registry, Docker, AWS, and more. Some modules, such as the SQL Server and VMware vSphere modules are available only for Puppet Enterprise
- **Automated Provisioning**: Support for automated provisioning of containers, cloud, VMs and bare metal
- **Official Puppet Labs Support**: Enterprises commonly shy away from open source offerings because of perceived lack of official corporate sponsorship and support
- **Access to Professional Services**: Professional Services can help you with deployment of Puppet Enterprise, upgrades, customization and education

Puppet Enterprise Licensing

- Puppet Enterprise can be evaluated with a complimentary 10-node license
- For larger deployments, a commercial per-node license is required
- Further details on the licensing is available on the following link.
 - <https://puppet.com/product/pricing>

Lesson Summary

■ Puppet Platform Offerings

- Open Source Puppet
 - Advantages and limitations of using Open Source Puppet
- Puppet Enterprise
- Features of Puppet Enterprise
 - **Packaging**
 - **Out-of-the-box Scalability**
 - **User Interface**
 - **Puppet Apps**
 - **Capabilities**
- Puppet Enterprise Licensing

