Puppet 5 Advanced

Description

Write custom plugins for Puppet, including facts, providers, and functions

Key Features

- Grasp recipes that work with centralized and decentralized deployments
- Explore language differences and enhancements anticipated in Puppet version 5.x
- Gain expert understanding of Puppet's latest and most advanced features

What You Will Learn

- Discover the latest and most advanced features of Puppet
- Bootstrap your Puppet installation using powerful tools like Rake
- Master techniques to deal with centralized and decentralized Puppet deployments
- Use exported resources and forge modules to set up Puppet modules
- Create efficient manifests to streamline your deployments
- Automate Puppet master deployment using Git hooks and PuppetDB
- Make Puppet reliable, performant, and scalable

Labs

Labs for this course are available at endpoints shared below. Update `<host-ip>` with the lab environment DNS.

1. Puppet Language and Style
2. Writing Better Manifests
3. Managing Applications
4. Monitoring, Reporting, and Troubleshooting

About

Puppet is a configuration management system that automates all your IT configurations, giving you control of managing each node. Puppet 5 will take you through Puppet's latest and most advanced features, including Hiera. Updated with the latest advancements and best practices, this course delves into various aspects of writing good Puppet code, which includes using Puppet community style, checking your manifests with puppet-lint, and learning community best practices with an emphasis on real-world implementation.

You will learn to set up, install, and create your first manifests with Puppet version control, and also understand various sysadmin tasks, including managing config files, using Augeas, and generating files from snippets and templates. As the course progresses, you'll explore virtual resources and use Puppet's resource scheduling and auditing features. In the concluding chapters, you'll walk through managing applications and writing your own resource types, providers, and external node classifiers.

By the end of this course, you will have learned to report, log, and debug your system.