Build your own Manageable Puppet Infrastructure

Modality: On Demand

Duration: 7 Hours

About the course:

Setting up and installing Puppet is very easy. A Scalable Puppet Infrastructure is a very flexible design that has been field-tested in many organizations, in both large and small. The author of this course has delivered talks about the MPI and related subjects at PuppetConf 2014 and 2015, PuppetCamps, FOSDEM and other conferences.

DevOps University's course is a fully practical guide on how to setup your Puppet infrastructure, while simultaneously teaching you the working principles and why are they used.

Please be advised that this course requires a pre-existing knowledge of Puppet. This course is at advanced-level, the basics are not covered in this course due to time-constraints.

The end-result of this course will be a fully functional, production-ready Manageable Puppet Infrastructure!

Audience:

- System admins who want to build and setup production-ready puppet framework.

Prerequisite:

- Intermediate Puppet knowledge
- Basic Linux knowledge
- 3 (virtual) Linux servers

Course Outline:

- What will we build during this course?
- Prerequisites and preparation
- Installing Puppet
- Creating a temporary development environment
- Setup Vagrant
- Introduction to Roles and Profiles
- Setting up Version control and Code-review
- Setting up R10K
- Setting up a personal playground environment
- Selecting and using Forge modules
- Daily operations

- Get started with Hiera
- Workflow: Going through the motions of code deployment
- Create resources based on data from Hiera
- Encrypting Hieradata
- Tying up some loose ends
- Git flow and deploying environments *Again*
- Node classification
- Adding a web-interface to your Puppet infrastructure
- Using $::role in Hiera
- Managing the firewall with Puppet
- It's a wrap!