Intro to Puppet

Course Summary

Description

Puppet is free and open source configuration management software that runs on many UNIX like systems and Windows. It takes a model driven approach to managing your systems.

Objectives

By the end of this course, students will be able to:

- Understand the components and architecture of Puppet
- Understand the fundamentals of the language
- Understand the approach for automating systems
- Understand Facter
- Write Puppet code to model components of their systems

Topics

- Puppet Language
- Puppet Server
- Architecture
- Puppet master
- Puppet Agent
- SSL
- Resource abstraction layer
- Facter
- Puppet resource
- Configs
- Modules
- Custom facts
- Node classification
- File resource
- Resource defaults
- File serving
- Ordering
- Package-file-service
- Namevar
- Variables
- Templates
- Style
- Rake
- Autoloader
- Scoping
- Defines
- Class inheritance
- Functions
- Conditionals
- Class params
- stdlib
- hiera
- exec
- Reporting
- Exported resources
- Virtual resources
- Scaling the architecture
- Continued learning

Audience

This course is designed for system admins and anyone that interacts directly with systems such as engineers, developers, DBA's, and network admins.

Prerequisites

Attendees should have an intermediate experience with Linux and be comfortable using the command line and manipulating text files with Vim.

Duration

Five days

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