

Chef Essentials

HODTOS

HPE course number	HODTOS
Course length	2 days
Delivery mode	ILT, VILT
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*Realize Technology Value with Training, IDC Infographic 2037, Sponsored by HPE, January 2016

Get started with Chef by taking Chef Essentials. You'll learn what it means to turn infrastructure into code so that you can automate the configuration, deployment and management of your servers. You'll also learn about Chef architecture and the set of tools included in the Chef Development Kit (ChefDK). Finally, we'll show you how to test your infrastructure code so that you can deploy with confidence. Each of the core units includes hands-on exercises that will give you confidence in your new skills. At the end of the course, you'll come away with a repo and the skills to start automating your own infrastructure.

Audience

Students in this class must have some experience with:

- Writing any flavor of code in a text editor
- Working on the command line
- Basic system administration – installing packages, configuring those packages, starting service

Prerequisites

Workstation Requirements: Attendees should bring a wifi-enabled laptop to the workshop. The following operating systems have been tested as workstation systems with the hands on exercises:

- Ubuntu 10.04, 12.04
- Mac OS X 10.7.3+
- Windows 7+

Other platforms and platform versions may work without modification. Attendees should install non-Chef required software before the workshop starts.

- SSH/SCP (OpenSSH, puTTY/WinSCP or equivalent)
- Programmer's text editor (Vi/Vim, Emacs, Sublime Text 2 or equivalent)

Additionally, all attendees should install

ChefDK

Course objectives

After completing this course, you should be able to:

- Use Chef Resources to define the state of your system
- Write and use Chef recipes and cookbooks
- Automate testing of cookbooks
- Manage multiple nodes with Chef Server
- Create Organizations
- Bootstrap nodes
- Assign Roles to nodes
- Deploy nodes to environments

Detailed Course Outline

Introduction

Chef resources

Cookbooks

chef-client

Testing cookbooks

Details about the system

Desired state and data

Workstation installation

The Chef server

Templates, variables, and search

Cookbook attributes, attribute files, and dependencies

Roles

Community cookbooks

Environments

Further resources

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