

TRAINING BRIEF

Overview

Concepts, installation, configuration and use of Chef.

This training is not specific to any programming language.

Duration

2 days.

Audience

Architects, Developers, SysAdmins.

Prerequisites

Use of command line (Linux basics),
Shell script,

Basic knowledge of Ruby is a plus.

Learning objectives

Trainees will know how to:

- install Chef server,
- execute Chef client,
- create resources and recipes,
- test recipes

Methodology

Mix of lecture (50%) and hands-on exercises (50%).

Training material provided

Training manual given to every trainee.

Language

Available in English and French.

Optional support

Technical support can also be offered in order to install, configure and use properly Chef in your environment.

TRAINING COURSE

Automating Server Management with Chef

DESCRIPTION

Chef is a management tool which allows to streamline server configuration and maintenance tasks. It can integrate with various Cloud platforms and development environments in order to provision new machines. Chef saves time and efforts when it comes to manual configuration, helps to prevent human errors and allows to automatically test configuration for new servers. Chef is the perfect tool in a Continuous Deployment environment.

TRAINING PLAN

- I. History of Chef - Why you should use Chef?
- II. Chef server and client
 - 2.1. Chef Server: Installation and configuration
 - 2.2. Nodes Configuration
 - 2.3. Chef client execution
- III. Nodes, resources and recipes
 - 3.1. Introduction to Node object
 - 3.2. Resources and recipes
 - 3.3. Attributes, templates, and dependencies between the recipes
 - 3.4. Variables and notifications
 - 3.5. Use of recipes from the community
 - 3.6. Recipe inclusion
- IV. Security
 - 4.1. Data bags
- V. Roles and environments
 - 5.1. Node configuration according to its role
 - 5.2. Node configuration according to its environment
- VI. Test your recipes
 - 6.1. Unit testing your recipes with ChefSpec
 - 6.2. Test Kitchen / serverspec with Vagrant and Docker