Configuration Management with Chef

Modality: On Demand

Duration: 20 Hours

About the course:

Designing the cloud infrastructure should be as easy as walking in the park for field experts, right? But setting up machines can be quite strenuous, making the whole configuration process more complicated. At this point, Chef is the answer to your problems. The Chef is the only sturdy automated configuration management tool you will need to create and design cloud infrastructures while giving your business an competitive edge.

It is often hard managing the configuration when creating infrastructure. For developers, the arduous task of monitoring how infrastructure should look, perform and efficiently deploying it across multiple platforms, becomes an effortless task with Chef.

What is Chef?

In the world of modern Infrastructure automation, Chef is a commonly known and preferred configuration management tool. This configuration control tool is used to properly manage the infrastructure by writing code (IAC). Chef helps writing code to get the desired infrastructure behavior in terms of its appearance, performance and how it evolves. The Chef tool allow you to construct the mechanism of the infrastructure precisely the way you want it.

The Chef contains the cookbook which outlines all the instructions for the machines simultaneously it can carry out numerous tasks.

Our experts in the field have carefully designed the interactive "Configuration Management with Chef" course from scratch addressing all fundamentals of the Chef for managing the infrastructure. The course consists of all the key information about the Chef tool. The topics in this training program will help you in understanding chef terminologies, chef cookbook and examples which will lead to easily create Chef Recipe.

Course Objective:

Our instructor-led course objective is to get you well-versed in the working of chef and using this tool to write infrastructure as code:

- Basics of configuration management
- Understanding Chef, what is use of Chef in configuration management
- Mechanism of Chef
- Learning about the key components of Chef tool and its Development kit and Test Kitchen Tool
- In-dept knowledge about the Chef server
- Skills to create your own Chef Cookbook

Audience:

This training course is for IT professionals like:

- Team of developers
- Information Technology and Software architects
- Engineers in Software and network
- IT managers

Prerequisite:

People interested in the Configuration Management with Chef training course should have experience and know-how on the following to successfully complete the course:

- Linux
- Have a strong grasp on the tool like Vagrant is a plus

Course Outline:

Following are the course outline for this course:

- Course Introduction
    - Introduction to configuration management
    - Introduction to Chef
- Tools of the trade
    - Chef Development Kit
    - Chef Workflow
    - Understanding Ruby
    - Ruby Continued
    - Ruby Features
    - Advance Ruby
    - Ruby Conclusions
- Writing recipes in Chef
    - Chef - Simple Example
    - Using Version Control
    - Package Resource
    - OHAI
    - Creating chef recipe