



Chef Essentials

Introduction

Introduce Yourself



Name

Current job role

Previous job roles/background

Experience with Chef and/or config management

Favorite Text Editor

Expectations



You will leave this class with a basic understanding of Chef's core components, architecture, commonly used tools, and basic troubleshooting methods

You bring with you your own domain expertise and problems. Chef is a framework for solving those problems. Our job is to teach you how to express solutions to your problems with Chef.

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
- Create Organizations
- Manage multiple nodes with Chef Server - Bootstrapping nodes
- Assign Roles to nodes
- Deploy nodes to environments



Chef is a large set of tools that are able to be used on multiple platforms and in numerous configurations.

Learning Chef is like learning a language. You will reach fluency very fast but it will take practice until you become comfortable.

A great way to learn Chef is to use Chef

Chef Fundamentals



Ask Me Anything: It is important that we answer your questions and set you on the path to find more.

Break It: If everything works the first time go back and make some changes. Break it!

Chef Lab System Architecture



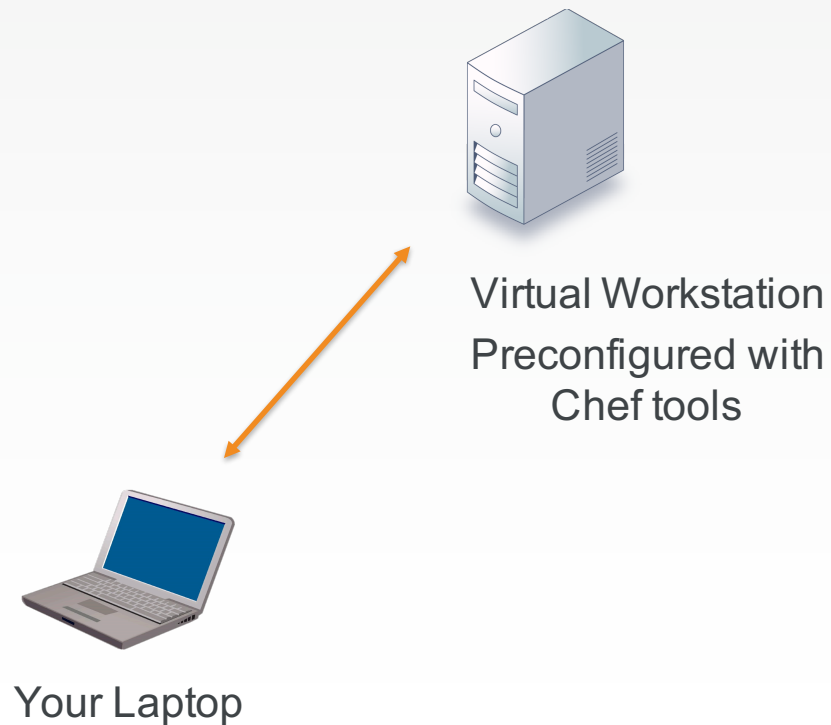
In this course you will use two different architectures:

1. Initially, you'll use a virtual workstation so you can start using Chef right away.
2. Later, you'll use a common production type of architecture that includes a Chef Server.

Chef Lab System Architecture



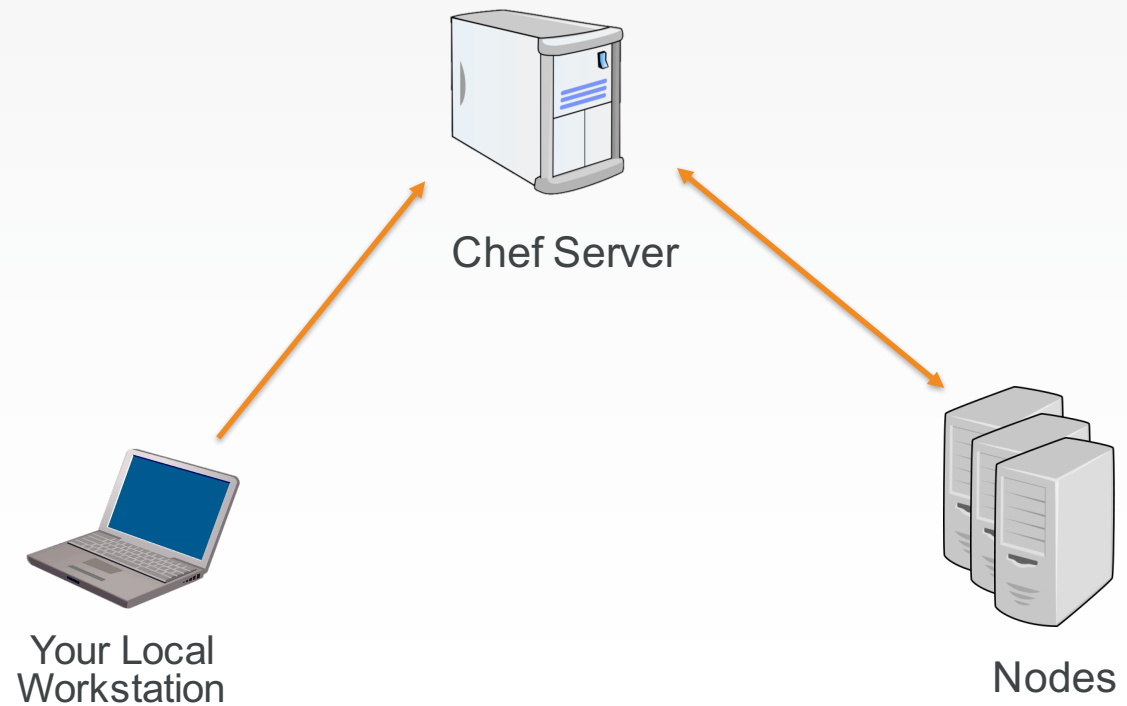
Architecture 1



Chef Lab System Architecture



Architecture 2



Lab: SSH Into the Remote Workstation



```
$ ssh ADDRESS -l chef
```

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Getting a Workstation



The chef user has been granted password-less sudoers access

The following software is installed on the remote workstation:

- Chef DK
- Docker
- kitchen-dockergem



CHEF™