Chef Essentials Windows v 2.0.0

Introduce Yourselves

Name

Current job role

Previous job roles/background

Experience with Chef and/or config management

Favorite Text Editor

CHEF

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

Agenda

Day 1

Getting a Workstation
Using Resources
Building Cookbooks
chef-client
Ohai and the Node Object
Templates
Local Workstation Installation

Day 2

Connecting to Chef Server
Roles
Community Cookbooks
Search
Environments
Further Resources

Chef

Chef can automate how you build, deploy, and manage your infrastructure.

Chef can integrate with cloud-based platforms such as Rackspace and Amazon Elastic Compute Cloud to automatically provision and configure new machines.

Chef

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!

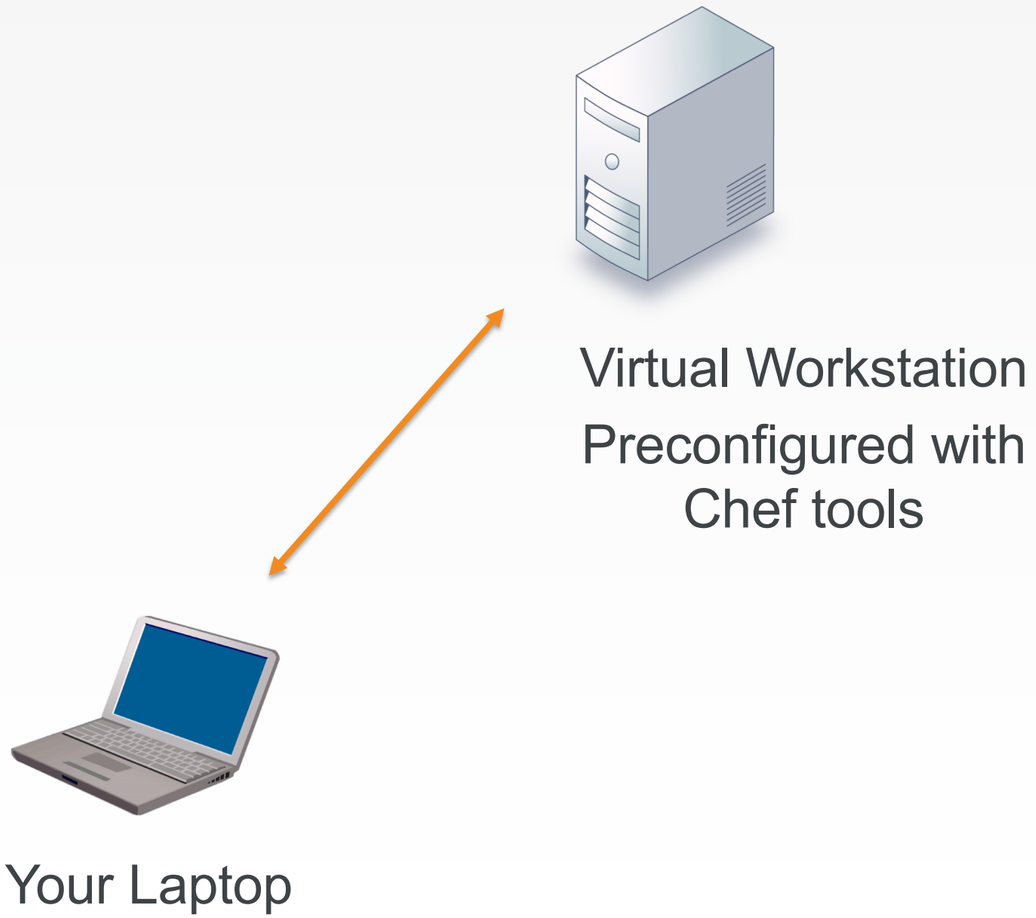
Chef Lab System Architecture

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.

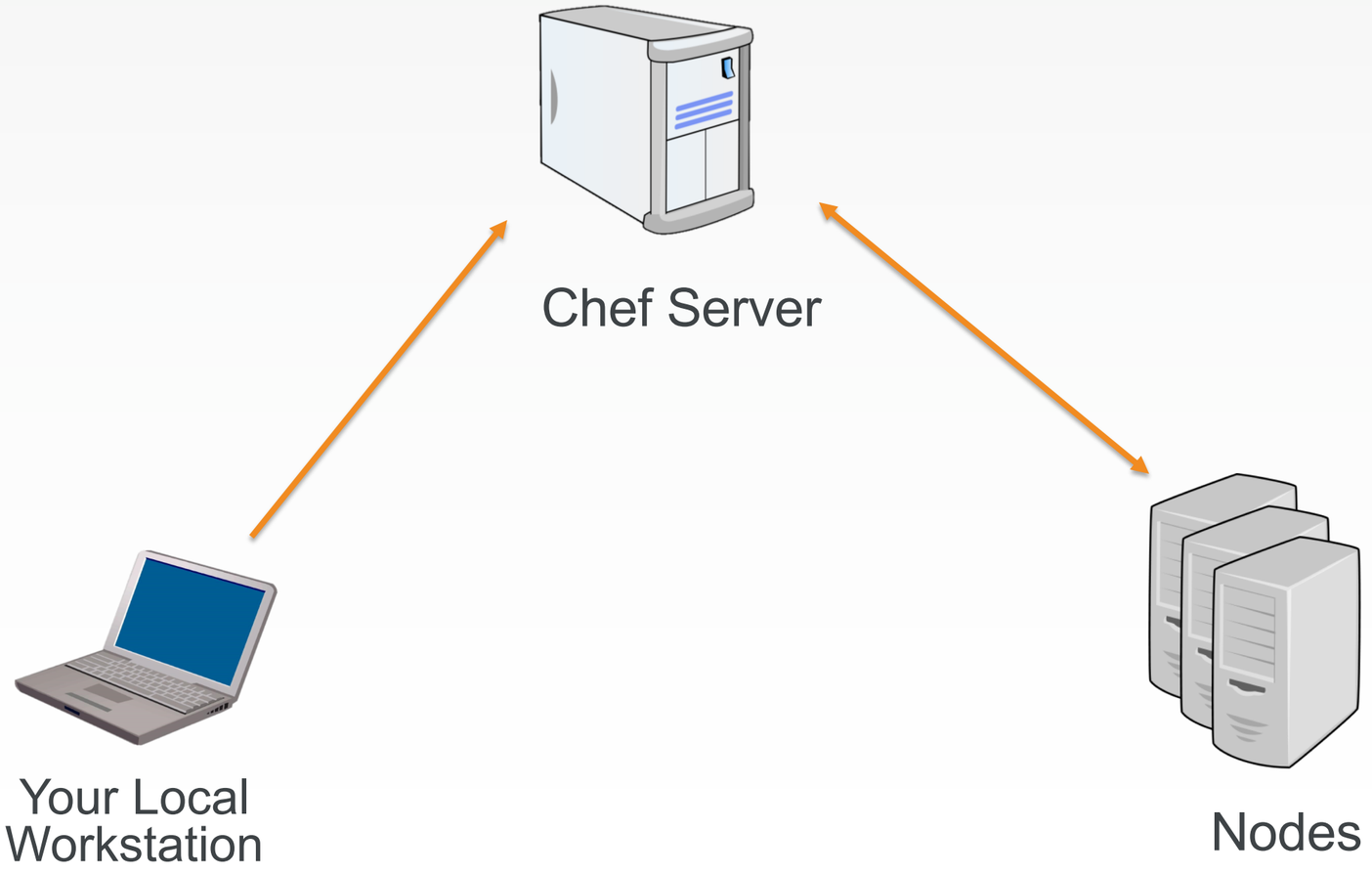
Chef Lab System Architecture

Architecture 1



Chef Lab System Architecture

Architecture 2



Configuring a Workstation

We need the following:

- Chef Development Kit (ChefDK)
- Editor (we recommend Atom or Visual Studio Code)

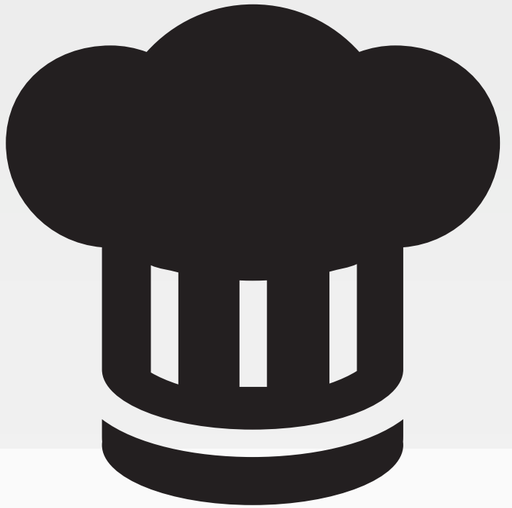
Hands-on Legend

- GL or Group Lab: All participants and the instructor do this task together with the instructor often leading the way and explaining things as we proceed.

- Lab: You perform this task on your own.

LAB

Group Lab:
Pre-built Workstation



We will provide for you a workstation with all the tools installed.

OBJECTIVE:

- ❑ Login to the Remote Workstation

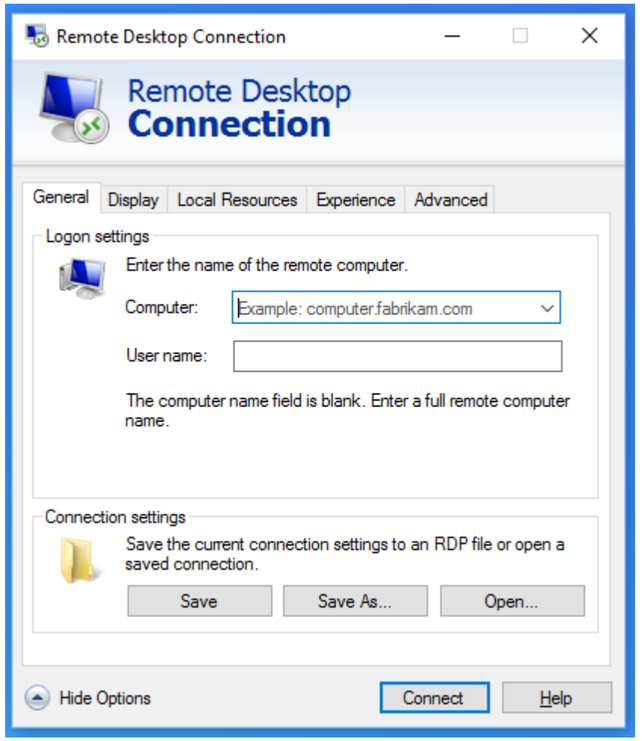
CHEF™

GL: Login to the Remote Workstation

Use the **address**, **user name**, and **password** to connect to the remote workstation.

U: \chef

Pass: RL9@T40BTmXh



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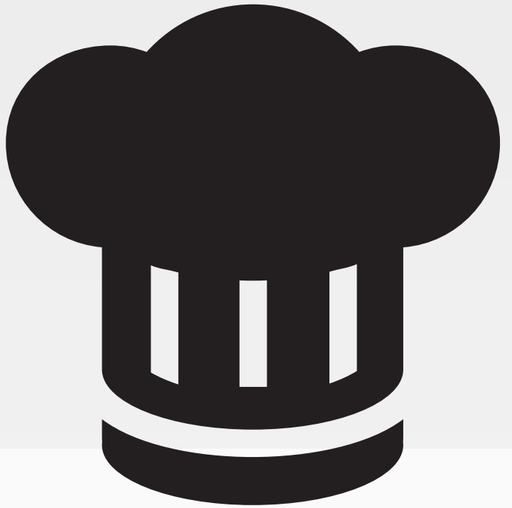
LAB

Group Lab:
Pre-built Workstation



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