

Chef for Beginners

Introduction

Bill Meyer

Sr. Solutions Architect

bill@chef.io

Introduce Yourself

- Name
- Current job role
- Experience with Chef and/or config management
- Favorite Text Editor

Expectations

Expectations

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

Expectations

- You will leave this workshop 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.

Workshop Objectives

After completing this workshop, 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

Agenda

- Getting a Workstation
- Using Resources
- Building Cookbooks
- Testing with Test Kitchen

What can Chef do?

Chef can...

Chef can...

- ... automate how you build, deploy, and manage your infrastructure.

Chef can...

- ... automate how you build, deploy, and manage your infrastructure.
- ... integrate with cloud-based platforms such as Azure and Amazon Elastic Compute Cloud to automatically provision and configure new machines.

So what is Chef?

Chef is...

Chef is...

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

Chef is...

- ... a large set of tools that are able to be used on multiple platforms and in numerous configurations.
- ... like learning a language. You will reach fluency very fast but it will take practice until you become comfortable.

Chef is...

- ... a large set of tools that are able to be used on multiple platforms and in numerous configurations.
- ... 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 - Lab System Architecture

- In this workshop you will use a pre-built virtual workstation with all the necessary tools already installed so you can start using Chef right away.

SSH Into the Remote Workstation

```
$ ssh <ipaddress> -l chef
```

SSH Into the Remote Workstation

```
$ ssh <ipaddress> -l chef
```

or

```
$ ssh chef@<ipaddress>
```

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-docker gem

On to **Module 2**

