



Community Experience Distilled

Creating Development Environments with Vagrant

Create and manage virtual development environments with Puppet, Chef, and VirtualBox using Vagrant

Michael Peacock

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BIRMINGHAM - MUMBAI

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Finally, I'd like to thank you, the reader; I hope you enjoy this book and enjoy the benefits of using virtualized development environments with Vagrant!

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Table of Contents

Preface	1
Chapter 1: Getting Started with Vagrant	5
Requirements for Vagrant	8
Getting installed	8
Installing VirtualBox	8
Installing Vagrant	13
Summary	14
Chapter 2: Managing Vagrant Boxes and Projects	15
Creating Vagrant projects	15
Importing and using base boxes	16
Creating projects without importing a base box	19
Managing Vagrant boxes	20
Adding Vagrant boxes	21
Listing Vagrant boxes	22
Removing Vagrant boxes	22
Repackaging Vagrant boxes	23
Finding Vagrant boxes	23
Controlling guest machines	23
Powering up the virtual machine	23
Suspending the virtual machine	25
Resuming the virtual machine	25
Shutting down the virtual machine	25
Starting from scratch	26
Connecting to the virtual machine over SSH	26
Integration between the host and the guest	27
Port forwarding	27
Synced folders	27
Networking	28

Auto-running commands	28
Summary	29
Chapter 3: Provisioning with Puppet	31
Provisioning	32
About Puppet	32
Creating modules and manifests with Puppet	33
Puppet classes	33
Default Puppet manifests	34
Resources	35
Resource execution ordering	37
Installing software	37
Updating our package manager	38
Installing the Apache package	38
Running the Apache service	39
File management	39
Copying a file	39
Creating a symlink	40
Creating folders	41
Creating multiple folders in one go	41
cron management	42
Running commands	42
Manage users and groups	43
Creating groups	43
Creating users	43
Updating the sudoers file	44
Subscribe and refresh only	44
Puppet modules	45
Using Puppet to provision servers	45
Summary	46
Chapter 4: Provisioning with Chef	47
Knowing about Chef	48
Creating cookbooks and recipes with Chef	48
Resources – what Chef can do	49
Installing software	49
Updating our package manager	50
Installing the Apache package	50
Running the Apache service	51
Understanding file management	51
Copying a file	51
Creating a symlink	52
Creating folders	53
Creating multiple folders in a single process with looping	53
Managing cron	54
Running commands	54

Managing users and groups	55
Creating groups	55
Creating users	55
Updating the sudoers file	56
Knowing common resource functionalities	56
Using Chef cookbooks	56
Using Chef to provision servers	57
Summary	57
Chapter 5: Provisioning with Vagrant using Puppet and Chef	59
Provisioning within Vagrant	59
Provisioning with Puppet on Vagrant	60
Using Puppet in a standalone mode	60
Puppet provisioning in action	61
Using Puppet in client/server mode	62
Provisioning with Chef on Vagrant	62
Using Chef solo	63
Using Chef in client/server mode	64
Other built-in provisioners	64
Provisioning with SSH – a recap	65
Ansible playbooks	65
Using multiple provisioners on a single project	65
Overriding provisioning via the command line	66
Summary	67
Chapter 6: Working with Multiple Machines	69
Using multiple machines with Vagrant	70
Defining multiple virtual machines	70
Connecting to multiple virtual machines over SSH	71
Networking multiple virtual machines	72
Provisioning the machines separately	74
Destroying a multi-machine project	75
Summary	75
Chapter 7: Creating Your Own Box	77
Getting started	77
Preparing the VirtualBox machine	78
VirtualBox Guest Additions	83
Vagrant authentication	84
Vagrant user and admin group	84
Sudoers file	85
Insecure public/private key pair	85

Table of Contents

Provisioners	86
Puppet	86
Chef	86
Cleanup	87
Export	87
Summary	87
Appendix: A Sample LAMP Stack	89
Index	99

Preface

Web-based software projects are increasingly complicated, with a range of different dependencies, requirements, and interlinking components. Swapping between projects, which require different versions of the same software, becomes troublesome. Getting team members up and running on new projects also becomes time-consuming.

Vagrant is a powerful tool for creating, managing, and working with virtualized development environments for your projects. By creating a virtual environment for each project, their dependencies and requirements are isolated, and don't interfere; they also don't interfere with software installed on your own machine such as WAMP or MAMP. Colleagues can be up and running on a new project in minutes with a single command. With Vagrant, we can wipe the slate clean if we break our environment, and be back up and running in no time.

What this book covers

Chapter 1, Getting Started with Vagrant, introduces the concept of virtualization, its importance in the role of the development environment, and walks through the Vagrant installation process.

Chapter 2, Managing Vagrant Boxes and Projects, walks through creating Vagrant projects, exploring and configuring the Vagrantfile, and working with base boxes.

Chapter 3, Provisioning with Puppet, explores the provisioning tool Puppet and how to create Puppet manifests to provision a server.

Chapter 4, Provisioning with Chef, explores the provisioning tool Chef and how to create Chef recipes to provision a server.

Chapter 5, Provisioning with Vagrant using Puppet and Chef, discusses how to use both Puppet and Chef within the context of Vagrant to provision development environments.