



# Vagrant: Up and Running: Create and Manage Virtualized Development Environments

By Mitchell Hashimoto

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## Vagrant: Up and Running: Create and Manage Virtualized Development Environments By Mitchell Hashimoto

Discover why Vagrant is a must-have tool for thousands of developers and ops engineers. This hands-on guide shows you how to use this open source software to build a virtual machine for any purpose—including a completely sandboxed, fully provisioned development environment right on your desktop.

Vagrant creator Mitchell Hashimoto shows you how to share a virtual machine image with members of your team, set up a separate virtualization for each project, and package virtual machines for use by others. This book covers the V1 (1.0.x) configuration syntax running on top of a V2 (1.1+) core, the most stable configuration format running on the latest core.

- Build a simple virtual machine with just two commands and no configuration
- Create a development environment that closely resembles production
- Automate software installation and management with shell scripts, Chef, or Puppet
- Set up a network interface to access your virtual machine from any computer
- Use your own editor and browser to develop and test your applications
- Test complicated multi-machine clusters with a single Vagrantfile
- Change Vagrant's default operating system to match your production OS
- Extend Vagrant features with plugins, including components you build yourself

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**Vagrant: Up and Running: Create and Manage Virtualized Development Environments** By Mitchell Hashimoto **Bibliography**

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### **Editorial Review**

Amazon.com Review

#### **Q&A with Mitchell Hashimoto, author of "Vagrant: Up and Running"**

##### **Q. Why is your book timely-- what makes it important right now?**

A. Vagrant is currently at a turning point where it is going from just being a cool tool to being an essential tool. Vagrant simply offers the best experience for working with development environments and configuration management tools.

On a larger scale, DevOps is entering the main stream as a best practice nowadays, and Vagrant sits firmly in the toolkit of must-have DevOps tools. Vagrant is effectively synonymous with DevOps to a certain degree.

##### **Q. What information do you hope that readers of your book will walk away with?**

A. As the book is targeted at newcomers to Vagrant, I would hope that readers will walk away with a solid understanding of the problems that Vagrant solves, and why those problems exist. The actual usage of the tool is far less important to me than the identification of bottlenecks in workflow and process that Vagrant alleviates.

##### **Q. What's the most exciting thing happening in your space?**

A. The push to make ops easier, definitely. Over the past 5 years we've seen various tools and practices emerge which aim to lower the barrier to entry to effectively running web applications. Vagrant helps push this down and I'm working on more tools to just that, as are many others.

#### **About the Author**

Mitchell Hashimoto is a passionate engineer, professional speaker, and entrepreneur. Mitchell has been creating and contributing to open source software for almost a decade. He has spoken at dozens of conferences about his work, such as VelocityConf, OSCON, FOSDEM, and more. Mitchell is the founder of HashiCorp, a company whose goal is to make the best DevOps tools in the world, including Vagrant. Prior to HashiCorp, Mitchell spent five years as a web developer and another four as an operations engineer.

### **Users Review**

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##### **Mark Logan:**

This Vagrant: Up and Running: Create and Manage Virtualized Development Environments is great guide for you because the content which can be full of information for you who have always deal with world and

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**Lorenza Jones:**

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