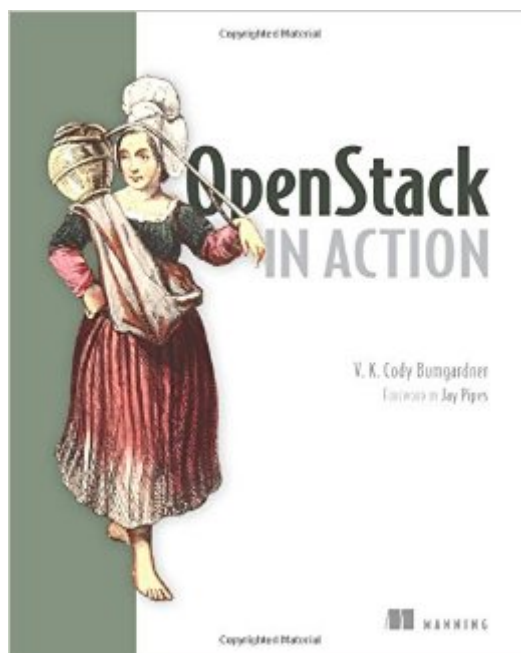


The book was found

OpenStack In Action



Synopsis

Summary OpenStack in Action offers the real world use cases and step-by-step instructions you can take to develop your own cloud platform from from inception to deployment. This book guides you through the design of both the physical hardware cluster and the infrastructure services you'll need to create a custom cloud platform. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology OpenStack is an open source framework that lets you create a private or public cloud platform on your own physical servers. You build custom infrastructure, platform, and software services without the expense and vendor lock-in associated with proprietary cloud platforms like Web Services and Microsoft Azure. With an OpenStack private cloud, you can get increased security, more control, improved reliability, and lower costs. About the Book OpenStack in Action offers real-world use cases and step-by-step instructions on how to develop your own cloud platform. This book guides you through the design of both the physical hardware cluster and the infrastructure services you'll need. You'll learn how to select and set up virtual and physical servers, how to implement software-defined networking, and technical details of designing, deploying, and operating an OpenStack cloud in your enterprise. You'll also discover how to best tailor your OpenStack deployment for your environment. Finally, you'll learn how your cloud can offer user-facing software and infrastructure services. What's Inside Develop and deploy an enterprise private cloud Private cloud technologies from an IT perspective Organizational impact of self-service cloud computing About the Reader No prior knowledge of OpenStack or cloud development is assumed. About the Author Cody Bumgardner is the Chief Technology Architect at a large university where he is responsible for the architecture, deployment, and long-term strategy of OpenStack private clouds and other cloud computing initiatives. Table of Contents PART 1 GETTING STARTED Introducing OpenStack Taking an OpenStack test-drive Learning basic OpenStack operations Understanding private cloud building blocks PART 2 WALKING THROUGH A MANUAL DEPLOYMENT Walking through a Controller deployment Walking through a Networking deployment Walking through a Block Storage deployment Walking through a Compute deployment PART 3 BUILDING A PRODUCTION ENVIRONMENT Architecting your OpenStack Deploying Ceph Automated HA OpenStack deployment with Fuel Cloud orchestration using OpenStack

Book Information

Paperback: 385 pages

Publisher: Manning Publications; 1 edition (April 10, 2016)

Language: English

ISBN-10: 1617292168

ISBN-13: 978-1617292163

Product Dimensions: 7.3 x 0.7 x 9.2 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars [See all reviews](#) (6 customer reviews)

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Customer Reviews

This book is really good. If you are into OpenStack, DevOps and Cloud you should read it. The target for this book is sysadmins, developers and architects working in Cloud environments. The main topic is OpenStack but it explores another systems and solutions related to its ecosystem. You will find the right information to understand, deploy and operate an OpenStack solution. The level of detail goes to the command line interface although it includes the proper graphical tools and dashboards to achieve the same results. The author does a good and progressive job to introduce the different topics with each new chapter. You don't need to read the chapters in order but I would recommend. If you are a newcomer to OpenStack you will enjoy the second chapter where the author introduces DevStack. It provides the right testbed to follow the whole material and/or test all commands and ideas along the book. The compute, networking and storage blocks are covered in detail. The book explains how you can configure and set the major services related to these components (Nova, Neutron, Cinder, etc) in OpenStack but it also explains how they interoperate and the technologies supporting them (kernel namespaces, OVS, LVM, etc). Another strong point in the book is the way how the author covers colateral technologies required to go to production. In this field, he explains what approach is good enough to go in production but he highlights the limitations while providing alternatives (Ceph, Fuel, etc). Related to graphics, pictures and diagrams. They are all in place. I found them clear and concise. I would say this book contains an extensive effort to cover OpenStack and related technology. Great book.

This book is a great resource for anyone new to Openstack. I'm in the process of setting up an Openstack environment for my company's web developers. I have worked with various virtual

systems for 15+ years and yet Openstack was very daunting and somewhat confusing for me. This book brings a lot of clarity. Openstack is growing and changing so fast you need an up-to-date book such as this one to get started on the right foot. The book steps you through basic concepts and gives you concrete examples of how to get an environment up and running. Working through the examples in the book I have discovered a few command-line errors. I've been able to work my way through most of them and would like to give feedback to the author and publisher, but I have not been able to find contact info for submitting feedback. For example in Chapter 5 listing 5.15 GRANT ALL ON keystone_dbu.* TO 'keystone'@'localhost' IDENTIFIED BY 'openstack1'; should be GRANT ALL ON keystone* TO 'keystone_dbu'@'localhost' IDENTIFIED BY 'openstack1'; This is a very unfortunate place to have an error because it is the beginning of configuring the keystone database and service which is key to getting everything to work.

In his book, OpenStack in Action, Cody Bumgardner does an excellent job ensuring no one is left out. By covering the history, versions and project details Cody makes it easy for folks coming from various IT backgrounds to grasp the concepts of OpenStack. In the test drive section Cody provides an easy to follow method for getting the bare bones up and running in order for the reader to start playing with OpenStack. And his extensive coverage of building a production OpenStack environment paints a full picture of things to consider when operating business critical applications on an OpenStack deployment.

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