



# OpenStack Cloud Computing Cookbook - Third Edition

By Kevin Jackson, Cody Bunch, Egle Sigler



**OpenStack Cloud Computing Cookbook - Third Edition** By Kevin Jackson, Cody Bunch, Egle Sigler

**Over 110 effective recipes to help you build and operate OpenStack cloud computing, storage, networking, and automation**

## About This Book

- Explore many new features of OpenStack's Juno and Kilo releases
- Install, configure, and administer core projects with the help of OpenStack Object Storage, Block Storage, and Neutron Networking services
- Harness the abilities of experienced OpenStack administrators and architects, and run your own private cloud successfully
- Practical, real-world examples of each service and an accompanying Vagrant environment that helps you learn quickly

## In Detail

OpenStack Open Source software is one of the most used cloud infrastructures to support software development and big data analysis. It is developed by a thriving community of individual developers from around the globe and backed by most of the leading players in the cloud space today.

It is simple to implement, massively scalable, and can store a large pool of data and networking resources. OpenStack has a strong ecosystem that helps you provision your cloud storage needs. Add OpenStack's enterprise features to reduce the cost of your business.

This book will show you the steps to build up a private cloud environment. At the beginning, you'll discover the uses of cloud services such as the identity service, image service, and compute service. You'll dive into Neutron, the OpenStack Networking service, and get your hands dirty with configuring ML2, networks, routers, and Distributed Virtual Routers. You'll then gather more expert knowledge on OpenStack cloud computing by managing your cloud's security and migration. After that, we delve into OpenStack Object storage and how to manage servers and work with objects, cluster, and storage functionalities. Also, as you go deeper into the realm of OpenStack, you'll learn practical examples of Block storage, LBaaS, and FWaaS: installation and configuration covered ground up. Finally, you will learn OpenStack dashboard, Ansible and Foreman, Keystone, and other interesting topics.

## What You Will Learn

- Understand, install, configure, and manage Nova—the OpenStack Cloud Compute resource
- Configure ML2, networks, routers, and Distributed Virtual Routers with Neutron
- Use and secure Keystone, the OpenStack Authentication service
- Install and set up Swift and Container Replication between datacenters
- Gain hands-on experience and familiarity with Horizon, the OpenStack Dashboard user interface
- Automate complete solutions with our recipes on Heat, the OpenStack Orchestration service
- Use Ansible and Foreman to automate OpenStack installations successfully
- Follow practical advice and examples to run OpenStack in production

## Who This Book Is For

This book is aimed at cloud system engineers, system administrators, and technical architects who are moving from a virtualized environment to cloud environments. This book assumes that you are familiar with cloud computing platforms, and have knowledge of virtualization, networking, and managing Linux environments.

## Style and approach

Clear, step-by-step instructions coupled with practical and applicable recipes that'll enable you to use and implement the latest features of OpenStack.

 [Download OpenStack Cloud Computing Cookbook - Third Edition](#)  
...pdf

 [Read Online OpenStack Cloud Computing Cookbook - Third Edition](#)  
...pdf

# OpenStack Cloud Computing Cookbook - Third Edition

*By Kevin Jackson, Cody Bunch, Egle Sigler*

**OpenStack Cloud Computing Cookbook - Third Edition** By Kevin Jackson, Cody Bunch, Egle Sigler

**Over 110 effective recipes to help you build and operate OpenStack cloud computing, storage, networking, and automation**

## About This Book

- Explore many new features of OpenStack's Juno and Kilo releases
- Install, configure, and administer core projects with the help of OpenStack Object Storage, Block Storage, and Neutron Networking services
- Harness the abilities of experienced OpenStack administrators and architects, and run your own private cloud successfully
- Practical, real-world examples of each service and an accompanying Vagrant environment that helps you learn quickly

## In Detail

OpenStack Open Source software is one of the most used cloud infrastructures to support software development and big data analysis. It is developed by a thriving community of individual developers from around the globe and backed by most of the leading players in the cloud space today.

It is simple to implement, massively scalable, and can store a large pool of data and networking resources. OpenStack has a strong ecosystem that helps you provision your cloud storage needs. Add OpenStack's enterprise features to reduce the cost of your business.

This book will show you the steps to build up a private cloud environment. At the beginning, you'll discover the uses of cloud services such as the identity service, image service, and compute service. You'll dive into Neutron, the OpenStack Networking service, and get your hands dirty with configuring ML2, networks, routers, and Distributed Virtual Routers. You'll then gather more expert knowledge on OpenStack cloud computing by managing your cloud's security and migration. After that, we delve in to OpenStack Object storage and how to manage servers and work with objects, cluster, and storage functionalities. Also, as you go deeper into the realm of OpenStack, you'll learn practical examples of Block storage, LBaaS, and FWaaS: installation and configuration covered ground up. Finally, you will learn OpenStack dashboard, Ansible and Foreman, Keystone, and other interesting topics.

## What You Will Learn

- Understand, install, configure, and manage Nova—the OpenStack Cloud Compute resource
- Configure ML2, networks, routers, and Distributed Virtual Routers with Neutron
- Use and secure Keystone, the OpenStack Authentication service
- Install and set up Swift and Container Replication between datacenters
- Gain hands-on experience and familiarity with Horizon, the OpenStack Dashboard user interface
- Automate complete solutions with our recipes on Heat, the OpenStack Orchestration service
- Use Ansible and Foreman to automate OpenStack installations successfully
- Follow practical advice and examples to run OpenStack in production

## Who This Book Is For

This book is aimed at cloud system engineers, system administrators, and technical architects who are moving from a virtualized environment to cloud environments. This book assumes that you are familiar with cloud computing platforms, and have knowledge of virtualization, networking, and managing Linux environments.

## Style and approach

Clear, step-by-step instructions coupled with practical and applicable recipes that'll enable you to use and implement the latest features of OpenStack.

### **OpenStack Cloud Computing Cookbook - Third Edition By Kevin Jackson, Cody Bunch, Egle Sigler Bibliography**

- Sales Rank: #1041518 in Books
- Published on: 2015-08-19
- Released on: 2015-08-19
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .99" w x 7.50" l, 1.64 pounds
- Binding: Paperback
- 436 pages



[Download OpenStack Cloud Computing Cookbook - Third Edition ...pdf](#)



[Read Online OpenStack Cloud Computing Cookbook - Third Editi ...pdf](#)

**Download and Read Free Online OpenStack Cloud Computing Cookbook - Third Edition By Kevin Jackson, Cody Bunch, Egle Sigler**

---

## **Editorial Review**

About the Author

### **Kevin Jackson**

Kevin Jackson is married and has three children. He is an experienced IT professional working with business and enterprises of all sizes at Rackspace as an OpenStack and private cloud specialist. Kevin has been working with OpenStack since early 2011 and has extensive experience of various flavors of Linux, Unix, and hosting environments. Kevin can be found on Twitter at @itarchitectkev. Kevin authored the first edition and coauthored the second edition of the OpenStack Cloud Computing Cookbook, Packt Publishing. Kevin also coauthored OpenStack Foundation's OpenStack Architecture Design Guide during a 5-day book sprint in California.

### **Cody Bunch**

Cody Bunch is a principal architect in the Rackspace Private Cloud group based out of San Antonio, Texas. Cody has been working with OpenStack since early 2012, coauthored the second edition of this book and also coauthored OpenStack Security Guide. Cody has extensive experience with virtualized and cloud environments in various-sized enterprises and hosting environments. Cody can be found on Twitter at @cody\_bunch.

### **Egle Sigler**

Egle Sigler is an OpenStack Foundation board member and a principal architect in the Rackspace Private Cloud group based out of San Antonio, Texas. Egle holds an M.S. degree in computer science. She started her career as a software developer and still has a soft spot for all the people who write, test, and deploy code, since she has had the chance to do all of those tasks throughout her career. Egle dreams about a day when writing, testing, and deploying code will be a seamless and easy process?bug and frustration free for all. Egle believes that knowledge should be shared and has tried to do this by writing this book, giving talks and workshops at conferences, and blogging. Egle can be found on Twitter at @eglute. She has coauthored DevOps for VMware Administrators (VMware Press Technology).

## **Users Review**

**From reader reviews:**

### **Nathan Kelly:**

Nowadays reading books become more than want or need but also work as a life style. This reading behavior give you lot of advantages. Associate programs you got of course the knowledge the rest of the information

inside the book this improve your knowledge and information. The data you get based on what kind of guide you read, if you want drive more knowledge just go with education and learning books but if you want truly feel happy read one together with theme for entertaining for example comic or novel. The particular OpenStack Cloud Computing Cookbook - Third Edition is kind of reserve which is giving the reader capricious experience.

#### **James Buscher:**

This OpenStack Cloud Computing Cookbook - Third Edition tend to be reliable for you who want to be a successful person, why. The key reason why of this OpenStack Cloud Computing Cookbook - Third Edition can be on the list of great books you must have will be giving you more than just simple looking at food but feed you with information that maybe will shock your earlier knowledge. This book is actually handy, you can bring it everywhere and whenever your conditions at e-book and printed kinds. Beside that this OpenStack Cloud Computing Cookbook - Third Edition forcing you to have an enormous of experience like rich vocabulary, giving you trial of critical thinking that could it useful in your day task. So , let's have it appreciate reading.

#### **Laura McLaughlin:**

You are able to spend your free time to study this book this e-book. This OpenStack Cloud Computing Cookbook - Third Edition is simple to create you can read it in the park, in the beach, train along with soon. If you did not have much space to bring the printed book, you can buy often the e-book. It is make you much easier to read it. You can save the actual book in your smart phone. So there are a lot of benefits that you will get when one buys this book.

#### **Benjamin Williams:**

Beside this particular OpenStack Cloud Computing Cookbook - Third Edition in your phone, it may give you a way to get closer to the new knowledge or data. The information and the knowledge you might got here is fresh in the oven so don't possibly be worry if you feel like an old people live in narrow commune. It is good thing to have OpenStack Cloud Computing Cookbook - Third Edition because this book offers for you readable information. Do you occasionally have book but you seldom get what it's all about. Oh come on, that won't happen if you have this in your hand. The Enjoyable agreement here cannot be questionable, such as treasuring beautiful island. Use you still want to miss that? Find this book and read it from today!

**Download and Read Online OpenStack Cloud Computing Cookbook - Third Edition By Kevin Jackson, Cody Bunch, Egle Sigler #MJNOVGY4R7B**

# **Read OpenStack Cloud Computing Cookbook - Third Edition By Kevin Jackson, Cody Bunch, Egle Sigler for online ebook**

OpenStack Cloud Computing Cookbook - Third Edition By Kevin Jackson, Cody Bunch, Egle Sigler Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read OpenStack Cloud Computing Cookbook - Third Edition By Kevin Jackson, Cody Bunch, Egle Sigler books to read online.

## **Online OpenStack Cloud Computing Cookbook - Third Edition By Kevin Jackson, Cody Bunch, Egle Sigler ebook PDF download**

**OpenStack Cloud Computing Cookbook - Third Edition By Kevin Jackson, Cody Bunch, Egle Sigler Doc**

**OpenStack Cloud Computing Cookbook - Third Edition By Kevin Jackson, Cody Bunch, Egle Sigler MobiPocket**

**OpenStack Cloud Computing Cookbook - Third Edition By Kevin Jackson, Cody Bunch, Egle Sigler EPub**

**MJNOVGY4R7B: OpenStack Cloud Computing Cookbook - Third Edition By Kevin Jackson, Cody Bunch, Egle Sigler**