



Learning OpenStack

Alok Shrivastwa, Sunil Sarat

[Download now](#)

[Click here](#) if your download doesn't start automatically

Learning OpenStack

Alok Shrivastwa, Sunil Sarat

Learning OpenStack Alok Shrivastwa, Sunil Sarat

Set up and maintain your own cloud-based Infrastructure as a Service (IaaS) using OpenStack

About This Book

- Build and manage a cloud environment using just four virtual machines
- Get to grips with mandatory as well as optional OpenStack components and know how they work together
- Leverage your cloud environment to provide Infrastructure as a Service (IaaS) with this practical, step-by-step guide

Who This Book Is For

This book is targeted at all aspiring administrators, architects, or students who want to build cloud environments using Openstack. Knowledge of IaaS or cloud computing is recommended.

What You Will Learn

- Get an introduction to OpenStack and its components
- Authenticate and authorize the cloud environment using Keystone
- Store and retrieve data and images using storage components such as Cinder, Swift, and Glance
- Use Nova to build a Cloud Computing fabric controller
- Abstract technology-agnostic networks using the Neutron network component
- Gain an understanding of optional components such as Ceilometer, Trove, Ironic, Sahara, Barbican, Zaqar, Designate, Manila, and many more
- See how all of the OpenStack components collaborate to provide IaaS to users
- Create a production-grade OpenStack and automate your OpenStack Cloud

In Detail

OpenStack is a free and open source cloud computing platform that is rapidly gaining popularity in Enterprise data centres. It is a scalable operating system and is used to build private and public clouds. It is imperative for all the aspiring cloud administrators to possess OpenStack skills if they want to succeed in the cloud-led IT infrastructure space.

This book will help you gain a clearer understanding of OpenStack's components and their interaction with each other to build a cloud environment. You will learn to deploy a self-service based cloud using just four virtual machines and standard networking.

You begin with an introduction on the basics of cloud computing. This is followed by a brief look into the need for authentication and authorization, the different aspects of dashboards, cloud computing fabric controllers, along with “Networking as a Service” and “Software Defined Networking.” Then, you will focus on installing, configuring, and troubleshooting different architectures such as Keystone, Horizon, Nova, Neutron, Cinder, Swift, and Glance. Furthermore, you will see how all of the OpenStack components come


together in providing IaaS to users. Finally, you will take your OpenStack cloud to the next level by integrating it with other IT ecosystem elements before automation.

By the end of this book, you will be proficient with the fundamentals and application of OpenStack.

Style and approach

This is a practical step-by-step guide comprising of installation prerequisites and basic troubleshooting instructions to help you build an error-free OpenStack cloud easily.

 [Download Learning OpenStack ...pdf](#)

 [Read Online Learning OpenStack ...pdf](#)

Download and Read Free Online Learning OpenStack Alok Shrivastwa, Sunil Sarat

From reader reviews:

Carmen Fields:

What do you concentrate on book? It is just for students since they're still students or the idea for all people in the world, what the best subject for that? Just you can be answered for that query above. Every person has several personality and hobby for every other. Don't to be pushed someone or something that they don't desire do that. You must know how great along with important the book Learning OpenStack. All type of book can you see on many methods. You can look for the internet sources or other social media.

Glen Thomas:

Typically the book Learning OpenStack will bring one to the new experience of reading the book. The author style to clarify the idea is very unique. In case you try to find new book to learn, this book very acceptable to you. The book Learning OpenStack is much recommended to you to read. You can also get the e-book in the official web site, so you can easier to read the book.

Jennifer Mendoza:

Is it an individual who having spare time in that case spend it whole day through watching television programs or just laying on the bed? Do you need something new? This Learning OpenStack can be the respond to, oh how comes? It's a book you know. You are and so out of date, spending your extra time by reading in this new era is common not a geek activity. So what these books have than the others?

Macie Tiffany:

Do you like reading a publication? Confuse to looking for your favorite book? Or your book seemed to be rare? Why so many issue for the book? But almost any people feel that they enjoy to get reading. Some people likes looking at, not only science book but additionally novel and Learning OpenStack as well as others sources were given information for you. After you know how the great a book, you feel desire to read more and more. Science publication was created for teacher or maybe students especially. Those publications are helping them to bring their knowledge. In other case, beside science guide, any other book likes Learning OpenStack to make your spare time considerably more colorful. Many types of book like this one.

**Download and Read Online Learning OpenStack Alok Shrivastwa,
Sunil Sarat #FK1GHV9DY5S**

Read Learning OpenStack by Alok Shrivastwa, Sunil Sarat for online ebook

Learning OpenStack by Alok Shrivastwa, Sunil Sarat 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 Learning OpenStack by Alok Shrivastwa, Sunil Sarat books to read online.

Online Learning OpenStack by Alok Shrivastwa, Sunil Sarat ebook PDF download

Learning OpenStack by Alok Shrivastwa, Sunil Sarat Doc

Learning OpenStack by Alok Shrivastwa, Sunil Sarat Mobipocket

Learning OpenStack by Alok Shrivastwa, Sunil Sarat EPub