



# Learning Ceph

By Karan Singh

Download now

Read Online 

## Learning Ceph By Karan Singh

**A practical guide to designing, implementing, and managing your software-defined, massively scalable Ceph storage system**

## About This Book

- Learn how to unleash the power of Ceph and solve all your storage issues
- A comprehensive guide to developing and integrating Ceph with practical tutorials
- Get started with the essential information needed to implement a Ceph cluster

## Who This Book Is For

If you already have basic knowledge of GNU/Linux and storage systems, but have no experience of software-defined storage solutions and Ceph, and are eager to learn about it, this is the book for you. If you are looking for your next career jump as a Ceph administrator, this book is also ideal for you.

## What You Will Learn

- Understand the limitations of existing systems and the need to use Ceph as a storage solution
- Get to grips with Ceph's architecture and discover the different components of Ceph
- Perform instant deployment and testing of Ceph within a VirtualBox environment
- Familiarize yourself with Ceph operations such as maintenance, monitoring, and troubleshooting
- Implement storage provisioning in the form of Ceph's block, object, and filesystem
- Integrate Ceph with OpenStack Cinder and Glance components
- Discover advance topics in Ceph, including erasure coding, CRUSH map, and performance tuning, and learn best practices for your Ceph cluster

## In Detail

Ceph is an open source, software-defined storage solution, which runs on commodity hardware to provide exabyte-level scalability. It is well known to be a highly reliable storage system that has no single point of failure.

This book will give you all the skills you need to plan, deploy, and effectively manage your Ceph cluster, guiding you through an overview of Ceph's technology, architecture, and components. With a step-by-step, tutorial-style explanation of the deployment of each Ceph component, the book will take you through Ceph storage provisioning and integration with OpenStack.

You will then discover how to deploy and set up your Ceph cluster, discovering the various components and why we need them. This book takes you from a basic level of knowledge in Ceph to an expert understanding of its most advanced features.

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

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

# Learning Ceph

*By Karan Singh*

**Learning Ceph** By Karan Singh

**A practical guide to designing, implementing, and managing your software-defined, massively scalable Ceph storage system**

## About This Book

- Learn how to unleash the power of Ceph and solve all your storage issues
- A comprehensive guide to developing and integrating Ceph with practical tutorials
- Get started with the essential information needed to implement a Ceph cluster

## Who This Book Is For

If you already have basic knowledge of GNU/Linux and storage systems, but have no experience of software-defined storage solutions and Ceph, and are eager to learn about it, this is the book for you. If you are looking for your next career jump as a Ceph administrator, this book is also ideal for you.

## What You Will Learn

- Understand the limitations of existing systems and the need to use Ceph as a storage solution
- Get to grips with Ceph's architecture and discover the different components of Ceph
- Perform instant deployment and testing of Ceph within a VirtualBox environment
- Familiarize yourself with Ceph operations such as maintenance, monitoring, and troubleshooting
- Implement storage provisioning in the form of Ceph's block, object, and filesystem
- Integrate Ceph with OpenStack Cinder and Glance components
- Discover advance topics in Ceph, including erasure coding, CRUSH map, and performance tuning, and learn best practices for your Ceph cluster

## In Detail

Ceph is an open source, software-defined storage solution, which runs on commodity hardware to provide exabyte-level scalability. It is well known to be a highly reliable storage system that has no single point of failure.

This book will give you all the skills you need to plan, deploy, and effectively manage your Ceph cluster, guiding you through an overview of Ceph's technology, architecture, and components. With a step-by-step, tutorial-style explanation of the deployment of each Ceph component, the book will take you through Ceph storage provisioning and integration with OpenStack.

You will then discover how to deploy and set up your Ceph cluster, discovering the various components and why we need them. This book takes you from a basic level of knowledge in Ceph to an expert understanding of its most advanced features.

## Learning Ceph By Karan Singh Bibliography

- Sales Rank: #1038690 in Books
- Published on: 2014-12-15
- Released on: 2015-01-30
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .61" w x 7.50" l, 1.03 pounds
- Binding: Paperback
- 214 pages

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

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

### Editorial Review

About the Author

#### **Karan Singh**

Karan Singh is a curious IT expert and an overall tech enthusiast living with his beautiful wife, Monika, in Espoo, Finland. He holds a bachelor's (honors) degree in computer science and a master's degree in system engineering from BITS Pilani, India. In addition to this, he is a certified professional for technologies such as OpenStack, NetApp, and Oracle Solaris. Karan is currently working as a system specialist of storage and platform for CSC – IT Center for Science Ltd. in Finland. He is actively involved in providing IaaS cloud solutions based on OpenStack and Ceph Storage at his workplace and has been building economic multipetabyte storage solutions using Ceph. Karan possesses extensive system administration skills and has excellent working experience on a variety of Unix environments, backup, enterprise storage systems, and cloud platforms. When not working on Ceph and OpenStack, Karan can be found working with technologies such as Ansible, Docker, Hadoop, IoT, and other cloud-related areas. He aims to get a PhD in cloud computing and big data and wants to learn more about these technologies. He is an avid blogger at <http://karan-mj.blogspot.fi/>. You can reach him on Twitter as @karansingh010 and Ceph and OpenStack IRC channels as ksingh. You can also e-mail him at [karan\\_singh1@live.com](mailto:karan_singh1@live.com).

### Users Review

**From reader reviews:**

#### **Beverly McKeever:**

Why don't make it to become your habit? Right now, try to ready your time to do the important action, like looking for your favorite book and reading a e-book. Beside you can solve your trouble; you can add your knowledge by the e-book entitled Learning Ceph. Try to face the book Learning Ceph as your pal. It means that it can get your friend when you sense alone and beside associated with course make you smarter than before. Yeah, it is very fortunated in your case. The book makes you considerably more confidence because you can know anything by the book. So , we should make new experience along with knowledge with this book.

#### **Javier Link:**

In this 21st hundred years, people become competitive in each way. By being competitive at this point, people have do something to make all of them survives, being in the middle of the actual crowded place and notice by simply surrounding. One thing that often many people have underestimated it for a while is reading. Yeah, by reading a book your ability to survive raise then having chance to stand up than other is high. For yourself who want to start reading a new book, we give you this particular Learning Ceph book as beginning and daily reading publication. Why, because this book is usually more than just a book.

**Sandra Phillips:**

Reading a guide can be one of a lot of pastime that everyone in the world enjoys. Do you like reading book so. There are a lot of reasons why people love it. First reading a reserve will give you a lot of new facts. When you read a guide you will get new information due to the fact book is one of a number of ways to share the information as well as their idea. Second, looking at a book will make you actually more imaginative. When you reading a book especially fiction book the author will bring one to imagine the story how the personas do it anything. Third, you may share your knowledge to other folks. When you read this Learning Ceph, you could tells your family, friends in addition to soon about yours book. Your knowledge can inspire the mediocre, make them reading a publication.

**Lawrence Gibbs:**

As we know that book is essential thing to add our know-how for everything. By a reserve we can know everything we would like. A book is a set of written, printed, illustrated or blank sheet. Every year had been exactly added. This guide Learning Ceph was filled about science. Spend your extra time to add your knowledge about your scientific disciplines competence. Some people has several feel when they reading a new book. If you know how big benefit from a book, you can sense enjoy to read a publication. In the modern era like now, many ways to get book that you simply wanted.

**Download and Read Online Learning Ceph By Karan Singh  
#DSU48ALEJ6W**

## **Read Learning Ceph By Karan Singh for online ebook**

Learning Ceph By Karan Singh 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 Ceph By Karan Singh books to read online.

### **Online Learning Ceph By Karan Singh ebook PDF download**

**Learning Ceph By Karan Singh Doc**

**Learning Ceph By Karan Singh Mobipocket**

**Learning Ceph By Karan Singh EPub**

**DSU48ALEJ6W: Learning Ceph By Karan Singh**