Implementing Cloud Storage with OpenStack Swift

Amar Kapadia, Sreedhar Varma, Kris Rajana

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Implementing Cloud Storage with OpenStack Swift Amar Kapadia, Sreedhar Varma, Kris Rajana **Design, implement, and successfully manage your own cloud storage cluster using the popular OpenStack Swift software**

About This Book

- Learn about the fundamentals of cloud storage using OpenStack Swift
- Explore how to install and manage OpenStack Swift along with various hardware and tuning options
- Perform data transfer and management using REST APIs

Who This Book Is For

If you are an IT architect or administrator who wants to enter the world of cloud storage using OpenStack Swift, then this book is ideal for you. Whether your job is to build, manage, or use OpenStack Swift, this book is an excellent way to move your career ahead.

What You Will Learn

- Understand OpenStack Swift architecture and how it can be used to build cloud storage
- Install OpenStack Swift in a multi-cluster environment
- Choose the right hardware configuration as per your system requirements
- Tune Swift for your particular workload and use case
- Explore what use cases OpenStack Swift is suitable for

In Detail

Swift, OpenStack's cloud software project, allows users to build cloud storage, a method used widely to slash costs and improve usability. With Swift, not only can users build storage using inexpensive commodity hardware, but they can also use public cloud storage that is built using the same technology. This book will provide you with the skills to build and operate your own cloud storage or use a third-party cloud.

You will start with the fundamentals of cloud storage, how OpenStack Swift is useful for cloud storage, and a review of Swift's architecture. Next, learn about installation, use, and managing Swift with step-by-step instructions and ample screenshots. Perform basic data transfers and access-control-list management using REST APIs. Hardware choice, Swift tuning, and use cases will round off your skills. This book is an invaluable tool if you want to get a head-start in the world of cloud storage using OpenStack Swift.

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