



Quick answers to common problems

OpenStack Cloud Computing Cookbook

Third Edition

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

Foreword by Tim Bell, Infrastructure Manager, CERN

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PUBLISHING

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**Kevin Jackson,Cody Bunch,Egle
Sigler,James Denton**

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OpenStack Cloud Computing Cookbook Kevin Jackson,Cody Bunch,2013 Over 100 recipes to successfully set up and manage your OpenStack cloud environments with complete coverage of Nova Swift Keystone Glance Horizon Neutron and Cinder

OpenStack Cloud Computing Cookbook - Third Edition Kevin Jackson,Cody Bunch,Egle Sigler,2015-07-31

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 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 will enable you to use and

implement the latest features of OpenStack *Openstack Cloud Computing* Kevin Jackson,2017 *OpenStack Cloud Computing Cookbook* Kevin Jackson,Cody Bunch,Egle Sigler,James Denton,2018-01-29 The Fourth Edition of the industry acclaimed OpenStack Cloud Computing Cookbook from four recognized experts updated to the latest OpenStack build including Cinder Nova and Neutron Key Features Over 100 recipes created by a team of OpenStack experts Updated to work with the latest OpenStack builds with recipes covering the installation and use of OpenStack with Ansible It covers topics such as Keystone Glance Neutron Nova Cinder and more plus recipes for OpenStack storage networking and orchestrating workloads Test drive OpenStack using the accompanying Vagrant environment Book Description This is the fourth edition of the industry acclaimed OpenStack Cloud Computing Cookbook created by four recognized OpenStack experts It has now been updated to work with the latest OpenStack builds using tools and processes based on their collective and vast OpenStack experience OpenStack Open Source Cloud software is one of the most used cloud infrastructures to support a wide variety of use cases from software development to 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 We make it simple to implement massively scalable and able to 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 begin by showing you the steps to build up an OpenStack private cloud environment using Ansible You ll then 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 networks routers load balancers and more 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 you ll see how to manage servers and work with objects cluster and storage functionalities Finally you will learn about OpenStack dashboard Ansible Keystone and other interesting topics What you will learn Understand install configure and manage a complete OpenStack Cloud platform using OpenStack Ansible Configure networks routers load balancers and more with Neutron Use Keystone to setup domains roles groups and user access Learn how to use Swift and setup container access control lists 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 as well as using Ansible to orchestrate application workloads Follow practical advice and examples to run OpenStack in production Who this book is for This book is written for 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 *OpenStack Cloud Computing Cookbook - Fourth Edition* Kevin Jackson,Cody Bunch,Egle Sigler,2018-01-25 The Fourth Edition of the industry acclaimed OpenStack Cloud Computing Cookbook from four recognized

experts updated to the latest OpenStack build including Cinder Nova and Neutron Key Features Over 100 recipes created by a team of OpenStack experts Updated to work with the latest OpenStack builds with recipes covering the installation and use of OpenStack with Ansible It covers topics such as Keystone Glance Neutron Nova Cinder and more plus recipes for OpenStack storage networking and orchestrating workloads Test drive OpenStack using the accompanying Vagrant environment Book Description This is the fourth edition of the industry acclaimed OpenStack Cloud Computing Cookbook created by four recognized OpenStack experts It has now been updated to work with the latest OpenStack builds using tools and processes based on their collective and vast OpenStack experience OpenStack Open Source Cloud software is one of the most used cloud infrastructures to support a wide variety of use cases from software development to 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 We make it simple to implement massively scalable and able to 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 begin by showing you the steps to build up an OpenStack private cloud environment using Ansible You'll then 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 networks routers load balancers and more 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 you'll see how to manage servers and work with objects cluster and storage functionalities Finally you will learn about OpenStack dashboard Ansible Keystone and other interesting topics What you will learn Understand install configure and manage a complete OpenStack Cloud platform using OpenStack Ansible Configure networks routers load balancers and more with Neutron Use Keystone to setup domains roles groups and user access Learn how to use Swift and setup container access control lists 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 as well as using Ansible to orchestrate application workloads Follow practical advice and examples to run OpenStack in production Who this book is for This book is written for 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 *OpenStack Cloud Computing Cookbook - Fourth Edition* ,2017 The Fourth Edition of the industry acclaimed OpenStack Cloud Computing Cookbook from four recognized experts updated to the latest OpenStack build including Cinder Nova and Neutron About This Book Over 100 recipes created by a team of OpenStack experts Updated to work with the latest OpenStack builds with recipes covering the installation and use of OpenStack with Ansible It covers topics such as Keystone Glance Neutron Nova Cinder and more plus

recipes for OpenStack storage networking and orchestrating workloads Test drive OpenStack using the accompanying Vagrant environment Who This Book Is For This book is written for 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 What You Will Learn Understand install configure and manage a complete OpenStack Cloud platform using OpenStack Ansible Configure networks routers load balancers and more with Neutron Use Keystone to setup domains roles groups and user access Learn how to use Swift and setup container access control lists 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 as well as using Ansible to orchestrate application workloads Follow practical advice and examples to run OpenStack in production In Detail This is the fourth edition of the industry acclaimed OpenStack Cloud Computing Cookbook created by four recognized OpenStack experts It has now been updated to work with the latest OpenStack builds using tools and processes based on their collective and vast OpenStack experience OpenStack Open Source Cloud software is one of the most used cloud infrastructures to support a wide variety of use cases from software development to 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 We make it simple to implement massively scalable and able to 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 begin by s

The Top Books of the Year Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous captivating novels enthralling the hearts of readers worldwide. Lets delve into the realm of popular books, exploring the fascinating narratives that have charmed audiences this year. Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013 : Colleen Hoovers "It Ends with Us" This poignant tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover skillfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Uncover the Best : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This spellbinding historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids absorbing storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013 : Delia Owens "Where the Crawdads Sing" This mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens crafts a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These top-selling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of engaging stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and thrilling novel that will keep you wondering until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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Table of Contents Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013

1. Understanding the eBook Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013
 - The Rise of Digital Reading Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013
 - Advantages of eBooks Over Traditional Books
2. Identifying Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013
 - User-Friendly Interface
4. Exploring eBook Recommendations from Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013
 - Personalized Recommendations
 - Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013 User Reviews and Ratings
 - Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013 and Bestseller Lists
5. Accessing Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013 Free and Paid eBooks
 - Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013 Public Domain eBooks
 - Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013 eBook Subscription Services
 - Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013 Budget-Friendly Options
6. Navigating Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013 eBook Formats
 - ePub, PDF, MOBI, and More
 - Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013 Compatibility with Devices
 - Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013
 - Highlighting and Note-Taking Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013
 - Interactive Elements Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013
8. Staying Engaged with Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013

- Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013
9. Balancing eBooks and Physical Books Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013
- Benefits of a Digital Library
 - Creating a Diverse Reading Collection Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013
10. Overcoming Reading Challenges
- Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013
- Setting Reading Goals Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013
- Fact-Checking eBook Content of Openstack Cloud Computing Cookbook Author Kevin Jackson Oct 2013
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
- Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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