



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*

Kevin Jackson  
Egle Sigler

Cody Bunch

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# Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012

**Yi-Tong Ma**



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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

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**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

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## **Table of Contents Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012**

1. Understanding the eBook Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012
  - The Rise of Digital Reading Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012
  - Advantages of eBooks Over Traditional Books
2. Identifying Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012
  - 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 Sep 2012
  - User-Friendly Interface
4. Exploring eBook Recommendations from Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012
  - Personalized Recommendations
  - Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012 User Reviews and Ratings
  - Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012 and Bestseller Lists
5. Accessing Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012 Free and Paid eBooks
  - Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012 Public Domain eBooks
  - Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012 eBook Subscription Services
  - Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012 Budget-Friendly Options



6. Navigating Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012 eBook Formats
  - ePub, PDF, MOBI, and More
  - Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012 Compatibility with Devices
  - Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012 Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012
  - Highlighting and Note-Taking Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012
  - Interactive Elements Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012
8. Staying Engaged with Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012
9. Balancing eBooks and Physical Books Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012
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 Sep 2012
  - Setting Reading Goals Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012
  - Fact-Checking eBook Content of Openstack Cloud Computing Cookbook Author Kevin Jackson Sep 2012
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
  - Integration of Multimedia Elements

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web step 4 the reactant that produces a smaller amount of product is the limiting reagent mg mg produces less mgo mgo than does o<sub>2</sub> o<sub>2</sub> 3 98 g mgo vs 25 2 g mgo therefore mg is the limiting reagent in this reaction step 5 the reactant that produces a larger amount of product is the excess reagent

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web if you start with 14 82 g of ca oh 2 c a o h 2 and 16 35 g of h<sub>2</sub>so<sub>4</sub> h 2 s o 4 a determine the limiting reagent b determine the number of moles of h<sub>2</sub>o h 2 o produced c determine the number of grams of caso<sub>4</sub> c a s o 4 produced d determine the number of grams of excess reagent left 1 make sure the equation is balanced

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