



# **OpenStack** Operations Guide

Tom Fifield, Diane Fleming, Anne Gentle, Lorin Hochstein,  
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# Openstack Operations Guide Openstack Operations Gdpaperback

**Cody Bumgardner**

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*OpenStack Operations Guide* Adam Hyde, Tom Fifield, Diane Fleming, Anne Gentle, Lorin Hochstein, Jonathan Proulx, Everett Toews, Joe Topjian, 2013    **OpenStack Operations Guide** Tom Fifield, Diane Fleming, Anne Gentle, Lorin Hochstein, Jonathan Proulx, Everett Toews, Joe Topjian, 2014-04-24 Design deploy and maintain your own private or public Infrastructure as a Service IaaS using the open source OpenStack platform In this practical guide experienced developers and OpenStack contributors show you how to build clouds based on reference architectures as well as how to perform daily administration tasks Designed for horizontal scalability OpenStack lets you build a cloud by integrating several technologies This approach provides flexibility but knowing which options to use can be bewildering Once you complete this book you ll know the right questions to ask while you organize compute storage and networking resources If you already know how to manage multiple Ubuntu machines and maintain MySQL you re ready to Set up automated deployment and configuration Design a single node cloud controller Use metrics to improve scalability Explore compute nodes network design and storage Install OpenStack packages Use an example architecture to help simplify decision making Build a working environment to explore an IaaS cloud Manage users projects and quotas Tackle maintenance debugging and network troubleshooting

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insights into the next generation RAN architecture and surveys the coexistence of SDN C RAN and Small Cells solutions proposed in the literature at different levels     ***Security in the Private Cloud*** John R. Vacca,2016-10-14 This comprehensive handbook serves as a professional reference and practitioner s guide to today s most complete and concise view of private cloud security It explores practical solutions to a wide range of private cloud computing security issues The knowledge imparted will enable readers to determine whether the private cloud security solution is appropriate for their organization from a business and technical perspective to select the appropriate cloud security model and to plan and implement a cloud security adoption and migration strategy

***OpenStack in Action*** Cody Bumgardner,2016-03-15 Summary OpenStack in Action offers the real world use cases and step by step instructions you can take to develop your own cloud platform from from inception to deployment This book guides you through the design of both the physical hardware cluster and the infrastructure services you ll need to create a custom cloud platform Purchase of the print book includes a free eBook in PDF Kindle and ePUB formats from Manning Publications About the Technology OpenStack is an open source framework that lets you create a private or public cloud platform on your own physical servers You build custom infrastructure platform and software services without the expense and vendor lock in associated with proprietary cloud platforms like Amazon Web Services and Microsoft Azure With an OpenStack private cloud you can get increased security more control improved reliability and lower costs About the Book OpenStack in Action offers real world use cases and step by step instructions on how to develop your own cloud platform This book guides you through the design of both the physical hardware cluster and the infrastructure services you ll need You ll learn how to select and set up virtual and physical servers how to implement software defined networking and technical details of designing deploying and operating an OpenStack cloud in your enterprise You ll also discover how to best tailor your OpenStack deployment for your environment Finally you ll learn how your cloud can offer user facing software and infrastructure services What s Inside Develop and deploy an enterprise private cloud Private cloud technologies from an IT perspective Organizational impact of self service cloud computing About the Reader No prior knowledge of OpenStack or cloud development is assumed About the Author Cody Bumgardner is the Chief Technology Architect at a large university where he is responsible for the architecture deployment and long term strategy of OpenStack private clouds and other cloud computing initiatives Table of Contents PART 1 GETTING STARTED Introducing OpenStack Taking an OpenStack test drive Learning basic OpenStack operations Understanding private cloud building blocks PART 2 WALKING THROUGH A MANUAL DEPLOYMENT Walking through a Controller deployment Walking through a Networking deployment Walking through a Block Storage deployment Walking through a Compute deployment PART 3 BUILDING A PRODUCTION ENVIRONMENT Architecting your OpenStack Deploying Ceph Automated HA OpenStack deployment with Fuel Cloud orchestration using OpenStack

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Matyne H. Easton,1963 [Mastering OpenStack](#) Omar Khedher,2015-07-30 This comprehensive guide will help you to choose the right practical option and make strategic decisions about the OpenStack cloud environment to fit your infrastructure in production At the start this book will explain the OpenStack core architecture You will soon be shown how to create your own OpenStack private cloud Next you will move on to cover the key security layer and network troubleshooting skills along with some advanced networking features Finally you will gain experience of centralizing and logging OpenStack The book will show you how to carry out performance tuning based on OpenStack service logs By the end of this book you will be ready to take steps to deploy and manage an OpenStack cloud with the latest open source technologies

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