

## AWS: Amazon Elastic Compute Cloud (EC2): Guide For Beginners Easy To Understand

Hundreds of thousands of customers have joined the Amazon Web Services(TM) community in order to build solutions for their businesses. The AWS cloud computing platform provides the flexibility to build your application, your way, regardless of your use case or industry. You can save time, money, and the difficulties of managing your own infrastructure, without compromising on scalability, security, or dependability. The types of solutions customers have built include Application Hosting, Backup and Storage, Content Delivery, E-Commerce, High Performance Computing, Media Hosting, On-Demand Workforce, Search Engines and Web Hosting. This book covers Amazon Web Services'comprehensive cloud computing platform and what it means for your business: Amazon Web Services is more than a collection of infrastructure services. With the same pay as you go pricing, you can save time by incorporating identity, payment, database, messaging, and other services that will give you a head start on delivering for your business. All AWS services are priced on a pay as you go model, with no up front expenses or long-term commitments. - Amazon Elastic Compute Cloud (Amazon EC2(TM)) - A web service that provides resizable compute capacity in the cloud. Configure an Amazon Machine Instance (AMI) and load it into the Amazon EC2 service. Quickly scale capacity, both up and down, as your computing requirements change. - Amazon Simple Storage Service (Amazon S3(TM)) - A simple web services interface that can be used to store and retrieve large amounts of data, at any time, from anywhere on the web. It gives any developer access to the same highly scalable, reliable, fast, inexpensive data storage infrastructure that Amazon uses to run its own global network of web sites. - Amazon SimpleDB(TM) - A web service for running queries on structured data in real time. This service works in close conjunction with Amazon Simple Storage Service (Amazon S3) and Amazon Elastic Compute Cloud (Amazon EC2), collectively providing the ability to store, process and query data sets in the cloud. Amazon SimpleDB is easy to use and provides the core functionality of a database-real-time lookup and simple querying of structured data-without the operational complexity. - Amazon Simple Queue Service (Amazon SQS(TM)) - A reliable, highly scalable, hosted queue for storing messages as they travel between computers. By using Amazon SQS, developers can simply move data between distributed components of their applications that perform different tasks, without losing messages or requiring each component to be always available.

Master running, managing, and optimizing your projects in the cloud using Amazon Web Services (AWS). Follow along with AWS experts Sergey and Viktor through a combination of lecture and hands-on to master AWS and cloud concepts, features, and techniques. The following ten topics will be covered in this AWS Made Simple course: Automating AWS Services Using Lambda . Use AWS Lambda to achieve availability, fault tolerance, flexibility, and reduce expenses in this first topic in the AWS series. Learn how to create a function and configure its dependencies. Setting up AWS Elastic Compute Cloud (EC2) Instances . Set up AWS Elastic Compute Cloud (EC2) On Demand, Spot Request, and Reserved Instances in this second topic in the AWS series. Configuring AWS EC2 Instances . Optimize EC2 instances and save money in this third topic in the AWS series. Creating Tables in AWS . Create tables, primary keys, partition keys, and other attributes in DynamoDB in this fourth topic in the AWS series. Using the Querying Data in AWS . Write queries and queue messages in this fifth topic in the AWS series. Tracing Data with AWS X-Ray . Trace data with AWS X-Ray in this sixth topic in the AWS series. Navigating within AWS . Navigate using tags and roles in this seventh topic in the AWS series. Performing Change Control with AWS CodeCommit . Perform change control with AWS Codecommit in this eighth topic in the AWS series. Using AWS S3 Objects to Control Your Resources . Use AWS S3 objects to control your resources in this ninth topic in the AWS series. Controlling Access Keys in AWS . Control access keys using user, groups, and account roles in this tenth topic in the AWS series.

Over 40 hands-on recipes to develop and deploy real-world applications using Amazon EC2 About This Book Design and build applications using Amazon EC2 and a range of supporting AWS tools Find highly effective solutions to your AWS Cloud-based application development, deployment, and infrastructural issues A comprehensive set of recipes to implement your product's functional and non-functional requirements Who This Book Is For This book is targeted at Cloud-based developers who have prior exposure to AWS concepts and features. Some experience in building small applications and creating some proof-of-concept applications is required. What You Will Learn Select and configure the right EC2 instances Create, configure, and secure a Virtual Private Cloud Create an AWS CloudFormation template Use AWS Identity and Access Management to secure access to EC2 instances Configure auto-scaling groups using CloudWatch Choose and use the right data service such as SimpleDB and DynamoDB for your cloud applications Access key AWS services using client tools and AWS SDKs Deploy AWS applications using Docker containers In Detail Amazon Elastic Compute Cloud (Amazon EC2) is a web service that provides flexible and resizable compute capacity in the cloud. The main purpose of Amazon EC2 is to make web-scale cloud computing easier for the developers. It offers developers and companies the raw building blocks like load balancers, object stores and virtual machines running on general hardware (that is, Amazon runs a multitude of hardware components but presents them as a generic utility to its users) with accessible APIs in order to create scalable software products This book covers designing, developing, and deploying scalable, highly available, and secure applications on the AWS platform. By following the steps in the recipes, you will be able to effectively and systematically resolve issues related to development, deployment, and infrastructure for enterprise-grade cloud applications or products. This book starts with helping you choose and configure the right EC2 instances to meet your application-specific requirements. The book then moves on to creating a CloudFormation template and will teach you how to work with stacks. You will then be introduced to using IAM services to configure users, groups, roles, and multi-factor authentication. You will also learn how to connect AD to AWS IAM. Next, you will be using AWS data services and accessing other AWS services including Route 53, Amazon S3, and AWS SES (Amazon Simple Email Service). Finally, you will be deploying AWS applications using Docker containers. Style and approach This book contains a rich set of recipes that cover not only the full spectrum of real-world cloud application development using Amazon EC2, but also the services and security of the applications. The book contains easy-to-follow recipes with step-by-step instructions to leverage EC2 within your applications.

If you plan to use Amazon Web Services to run applications in the cloud, the end-to-end approach in this book will save you needless trial and error. You'll find practical guidelines for designing and building applications with Amazon Elastic Compute Cloud (EC2) and a host of supporting AWS tools, with a focus on critical issues such as load balancing, monitoring, and automation. How do you move an existing application to AWS, or design your application so that it scales effectively? How much storage will you require? Programming Amazon EC2 not only helps you get started, it will also keep you going once you're successfully positioned in the cloud. This book is a must-read for application architects, developers, and administrators. Determine your application's lifecycle and identify the AWS tools you need Learn how to build and run your application as part of the development process Migrate simple web applications to the cloud with EC2. Amazon Simple Storage Service, and CloudFront content delivery Meet traffic demand with EC2's Auto Scaling and Elastic Load Balancing Decouple your application using Simple Queue Service, Simple Notification Service, and other tools Use the right tools to minimize downtime, improve uptime, and manage your decoupled system \*Jurg and Flavia have done a great job in this book building a practical guide on how to build real systems using AWS.\* --Werner Vogels, VP & CTO at Amazon.com

Cloud Computing

Methodology, Systems, and Applications

S3, EC2, SQS, FPS, and SimpleDB

Amazon Web Services (AWS)

Amazon Web Services For Dummies

Top 50 Amazon AWS Interview Questions

What (Really) Goes Into Amazon Web Services That Works! Here's a Quick and Easy Guide to Learn about AWS Get your hands on this new book and start getting advantage of the tools used by the pros even if you are new to AWS. You will develop the skills to use these services, like DNS web and E-mail service, Elastic Compute Cloud, enhanced security, Storage and CloudWatch and more about the wide range of remote cloud services. Here's what's packed in this how-to guide: Discover what can Amazon Web Services do and how to use it with confidence Start on Cloud Computing "What is Cloud Computing? Find out the "Why and How" of Amazon Web Services You'll learn the Traditional Software Licenses vs SAAS-and the differences Find the Advantages of cloud computing for private users Discover the benefits of cloud storage for businesses Learn the advantages and disadvantages of cloud computing Find the advantages and disadvantages of cloud hosting for companies This brilliant guide brings to you all the essential practical tips for working with Amazon Web Services. This great book explains enough to understand the subject, without getting bogged down in the details. This is an all-to guide in shifting your perspective on the capabilities of the platform so you can successfully utilize it as a high-level AWS user. You will also find: Simple to understand ideas on how to use your Amazon Echo effectively Amazon Prime Video, Easy to follow instructions that get you started straight away How to use your Amazon Alexa commands, even the easiest way to control your tv. Would You Like to Learn How? Scroll up and click the "add to cart" button to buy now!

In this book you will get more familiar with all you need to know about Amazon Web Services ranging from: the key concepts of AWS, to the services they provide, how AWS generally works, and how to navigate the genre of services they provide. Reading this book will enable you understand what Amazon Web Services is, what it does, how it works, how it can be useful to you, how to start using it, the implications and much more. The book enriches you with an in-depth understanding of how you can become AWS Certified. It also incorporates a complete beginner's guide to advanced guide. This book provides a solid foundation for beginners in AWS and as a professional, it gives you more insight, and thorough understanding of AWS. The book goes deeply into the responding to every inquiry you may have about AWS, from various perspective to make you have a full insight and comprehension of why AWS is considered the most exceptional and reliable global cloud provider. Organizations have moved to cloud platforms for better scalability, and security, in order for businesses to develop rapidly. With the increased significance of cloud computing, engineers, and developers are in high demand. With Cloud market set to grow more than ever before, the need for IT staff with the appropriate technical and business skills has never been greater. This book however, gives an insight on Amazon Web Services Certification, what it takes to become AWS certified, and the benefit of being AWS certified. The content of this book includes: Detailed explanation of the fundamental AWS structural standards Understanding the global AWS infrastructure Why Businesses Use Amazon Web Services History of Amazon Web Services Introduction to Amazon Web Pricing Getting familiar with AWS services and their common use cases An Introduction to Amazon Elastic Compute Cloud (Amazon EC2) An introduction to Amazon Simple Storage Services (Amazon S3) Understanding the AWS security measures Detailed comparison between Amazon Web Services and its rivals in the cloud industry, such as Microsoft Azure, Google Cloud Platform, Linode, and DigitalOcean At the end of this book, you will get to understand the use of AWS, the benefits, and identify ways to access Amazon Web Services. This book gives you detailed analysis on Cloud Computing, the variations of cloud computing, as well as the problem faced before the cloud computing. When it comes to cloud computing, Amazon Web Services is the oldest, the greatest, the most reliable, cost saving, and fastest growing global cloud provider. This book however, will put you through all these, and also answer virtually all the questions you may have concerning Amazon Web Services. This book will help anyone interested in Amazon Web Services, as it elaborates all work from a conceptual perspective. Amazon Web Services is a constantly evolving system, new services, and capabilities are added regularly. This book covers all these and more. It should be considered as a valuable book of reference. Click Buy Now in 1-Click or Buy NOW at the top of this page to start reading!

Create dynamic cloud-based websites with Amazon Web Services and this friendly guide! As the largest cloud computing platform in the world, Amazon Web Services (AWS) provides one of the most popular web services options available. This easy-to-understand guide is the perfect introduction to the Amazon Web Services platform and all it can do for you. You'll learn about the Amazon Web Services tool set: how different web services (including S3, Amazon EC2, and Amazon Flexible Payments) and Glacier work; and how you can implement AWS in your organization. Explains how to use Amazon Web Services to store objects, take payments, manage large quantities of data, send e-mails, deploy push notifications, and more from your website Details how AWS can reduce costs, improve efficiency, increase productivity, and cut down on expensive hardware investments - and administrative headaches - in your organization Includes practical examples and helpful step-by-step lists to help you experiment with different AWS features and create a robust website that meets your needs Amazon Web Services For Dummies is exactly what you need to get your head in the cloud with Amazon Web Services!

Learn everything there is to know about Amazon Web Services Here is what you can find in this book: -A 360-degree overview of AWS' service offerings -Master the key building biff?? in the AWS ?nvir?nm?nt that make it a perfect solution to adopt: Identity and Access Management (IAM), Elastic Compute Cloud (EC2), Networking, Cloud Functions (Compute), Content Delivery (DNS) and much more -Discover key AWS development tools that you can leverage to propel your business to the next level through big data analytics and artificial intelligence -Learn how to comply with sudden business standards and increase the overall size of your business with no extra headache. And much, much, more!

Programming Amazon Web Services

High Performant File System Workloads for AI and HPC on AWS using IBM Spectrum Scale

Amazon Web Services: Discover All AWS Offer, How to Use Their Services and Become an Expert

Survive your Success

LiveLessons

Amazon CloudWatch Logs User Guide

Discover the infinite world of Amazon Web Services (AWS) and become a master of cloud computing! Amazon Web Services is the world's most comprehensive and broadly adopted cloud platform. That is why millions of people, developing startups, corporations, and even government agencies use 175 features on an everyday basis. If AWS sounds like a must-have tool, you are right, but how about learning how to use this universal platform? Don't worry, we have figured it out for you with "AWS: The Ultimate Step-by-Step Guide from Beginners to Advanced for Amazon Web Services". This comprehensive volume can teach you everything from the basics of AWS to more advanced functions, so you can ace this cloud platform and get the security and innovation you deserve. Written by top experts in cloud computing and AWS, this easy-to-follow guide is great for getting a grasp at what Amazon Web Services can do for you, as well as how to master this new and improved cloud platform. What can you learn with this AWS handbook? You will start your journey by understanding what AWS and what it can really do for you and your business. Afterward, you will get a short and comprehensive background of how this cloud platform was born and its history. Learning the first steps of AWS is going to be simple once you have a view of what cloud computing is and what are the main benefits of AWS. Now that you have acquired the basic knowledge, you can move on to the more advanced steps: learning about service deployment for website owners, AWS storage devices, big data and notification services, security, database, and cost management. With this book, you can: Improve your knowledge about cloud systems and data analysis Get a handle on the basic concepts of AWS Make it easier to work with the 175 features of the AWS platform Learn about the myths surrounding AWS that you should stop and get the real facts instead Understand why knowing about cloud computing is a real asset for you and your company Learn how AWS was born and developed by the experts behind it Discover some of the weaknesses of the system and how to make them work to your advantage Understand why the feature of cloud computing for the big players lies in Amazon Elastic Compute Clouding Learn the role of AWS in advanced systems and innovative ideas such as big data, machine learning, and AI Become a better professional that can help you advance in your career or grow your business Enjoy a secured database system that will never fail you or your company Learn how to use platform available in almost any region of the world, with no compromises on location Experience innovative ideas and become a highly skilled professional! And much, much, more! Still having doubts? Don't worry, this book is easy to follow and will thoroughly explain every concept in a simple way that is easy to understand by everyone. Don't hesitate and start your AWS learning journey NOW! Click Buy Now With 1-Click or Buy Now to get started Validate your AWS skills. This is your opportunity to take the next step in your career by expanding and validating your skills on the AWS cloud. AWS has been the frontrunner in cloud computing products and services, and the AWS Certified Solutions Architect Official Study Guide for the Associate exam will get you fully prepared through expert content, and real-world knowledge, key features, and topics. Review questions, access to Sybex interactive learning environment, and much more. This official study guide, written by AWS experts, covers exam concepts, and provides key review on exam topics, including: Mapping Multi-Tier Architectures to AWS Services, such as web/app servers, firewalls, caches and load balancers Understanding managed RBMSs in AWS, AWS S3, AWS SQL Server, Postgres, Aurora Understanding Loose Coupling and Stateless Systems Comparing Different Consistency Models in AWS Services Understanding how AWS CloudFront can make your application more cost efficient, faster and secure Implementing Route Tables, Access Control Lists, Firewalls, NAT, and DNS Applying AWS Security Features along with traditional Information and Application Security Using Compute, Networking, Storage, and Database AWS services Architecting Large Scale Distributed Systems Understanding of Elasticity and Scalability Concepts Understanding of Network Technologies Relating to AWS Deploying and Managing Services with tools such as CloudFormation, OpsWorks and Elastic Beanstalk. Learn from the AWS subject-matter experts, review with proven study tools, and apply real-world scenarios. If you are looking to take the AWS Certified Solutions Architect Associate exam, this guide is what you need for comprehensive context and robust study tools that will help you gain the edge on exam day and throughout your career.

You can use Amazon CloudWatch Logs to monitor, store, and access your log files from Amazon Elastic Compute Cloud (Amazon EC2) instances, AWS CloudTrail, Route 53, and other sources. You can then retrieve the associated log data from CloudWatch Logs. Amazon Web Services is the hottest technology in software. It is the new architecture on which very few books have been written. If you are aiming to get a job in companies with AWS based architecture like- Netflix, Amazon etc. then this book can help you prepare for the technical interview. This books also covers Architect level information in Q&A format for easy grasp of the concept.This book helps you in understanding the deep concepts behind AWS in a Q&A format.We keep revising this book from time to time to keep it up to date with the latest changes in Amazon Web Services (AWS) world.Sample Questions are:How can you failover gracefully in AWS?What is the use of Availability Zones in AWS?Why AWS systems are built on "Design to Fail" approach?What are the best practices to build a resilient system in AWS?What are the tools in AWS that can be used for creating a system based on "Design to Fail" principle?How can we build a Scalable system in AWS?What are the advantages of messaging queues to decouple components?How can we implement Message Queue based system in AWS?What are the different ways to implement Elasticity in AWS?What are the benefits of bootstrapping instances in AWS?What are the best practices to Automate deployment in AWS?How will you automate your software infrastructure in AWS?What are the AWS specific techniques for parallelization of software work?Why it is recommended to keep dynamic data closer to the compute and static data closer to the end user In Cloud computing?What are the features in AWS for keeping static data closer to end user?What are the best practices to ensure the security of an application in cloud?Why encryption should be used in Amazon S3?What are the best practices of Software Security in Cloud?What is the difference between Start and Terminate an Amazon EC2 Instance?What are the main uses of Amazon Elastic Compute Cloud (EC2)?What is Auto-scaling? How does Auto-scaling work in AWS?What automation tools can be used to create new servers in AWS?How is Amazon Machine Image (AMI) and an Amazon Instance are related?What key components of Amazon Web Service (AWS) do you use in your project?

Communication Infrastructures for Cloud Computing

Amazon Web Services, The Ultimate Guide for Beginners Intermediates Ad Experts

With EC2, ECS, and EKS

AWS Certified SysOps Administrator Associate All-in-One-Exam Guide (Exam SOA-C01)

Programming Amazon EC2

High-Impact Strategies - What You Need to Know: Definitions, Adoptions, Impact, Benefits, Maturity, Vendors

Amazon Elastic Compute Cloud (Amazon EC2) provides scalable computing capacity in the Amazon Web Services (AWS) cloud. This is a comprehensive guide to use Linux instances with EC2.

More Than 17 Hours of Video Instruction More than 17 hours of video instruction on Amazon Web Services with coverage on cloud computing and available AWS services, as well as a guided hands-on look at using services such as EC2 (Elastic Compute Cloud), S3 (Simple Storage Service), and more. Overview Amazon Web Services (AWS) LiveLessons is a unique video product designed to provide a solid foundational understanding of the Amazon Web Services (AWS) infrastructure-as-a-service (IaaS) products. The course covers concepts necessary to understand cloud computing platforms, distributed computing, multi-tier architectures, virtual machines, storage, databases, analytics, high availability, and much more. This course has been designed to show just how simple and cost-effective it is to achieve a superior level of high-availability, fault-tolerance, security, and reduced operational burden in your infrastructure and applications. Detailed throughout the course are a number of use cases designed to spark your imagination and exemplify well-architected solutions within the rich and varied ecosystem that is Amazon Web Services. You can also use this video as a secondary resource to help you study for the AWS Cloud Practitioner and Solutions Architect Exams. Since the first edition of this course, AWS has added many new services to their offerings, as well as many new features to existing services. The AWS web-based management console has also seen significant updates and improvements. In this second edition, many of those new services and features are covered, and all new diagrams have been provided to more accurately represent those you will see in a real-world scenario. The new edition also includes all new demos to account for changes in the AWS management console user interface. Amazon Web Services (AWS) LiveLessons contains 14 independent video lessons totaling almost 13 hours of instruction. The videos contain in-depth instruction using live demos, slide instruction, and video captures. Demonstrations of Amazon Web Services and third-party cloud solutions are included to provide necessary context and experience for further study and use of AWS. Skill Level Beginner/All levels Learn How To Get started with AWS, including networking, computing, storage, managing databases, and security Understand cloud-computing platforms, and how AWS fits into them Use EC2, CloudWatch, S3 Buckets, and more Use IAM, VPC, NACLs, AMI, ECS, EKS, EBS, and other various ...

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. This study guide covers 100% of the objectives for the AWS Certified SysOps Administrator Associate exam Take the challenging AWS Certified SysOps Administrator Associate exam with confidence using this highly effective self-study guide. You will learn how to provision systems, ensure data integrity, handle security, and monitor and tune Amazon Web Services performance. Written by an industry-leading expert, AWS Certified SysOps Administrator Associate All-in-One Exam Guide (Exam SOA-C01) fully covers every objective for the exam and follows a hands-on, step-by-step methodology. Beyond fully preparing you for the exam, the book also serves as a valuable on-the-job reference. Covers all exam topics, including:•Systems operations•Signing up, working with the AWS Management Console, and the AWS CLI•AWS Identity and Access Management (IAM) and Amazon security•AWS compute services and the Elastic Compute Cloud (EC2)•Amazon ECS, AWS Batch, AWS Lambda, and other compute services•Storage and archiving in the AWS cloud with Amazon EBS, Amazon EFS, and Amazon S3 Glacier•Managing databases in the cloud—Amazon RDS, Amazon Aurora, Amazon DynamoDB, Amazon ElastiCache, and Amazon Redshift•Application integration with Amazon SQS and Amazon SNS•AWS high availability strategies•Monitoring with Amazon CloudWatch, logging, and managing events•Managing AWS costs and billing•Infrastructure provisioning through AWS CloudFormation and AWS OpsWorks, application deployment, and creating scalable infrastructures Online content includes:•130 practice questions•Test engine that provides full-length practice exams or customized quizzes by chapter or by exam domain

This IBM® Redpaper® publication is intended to facilitate the deployment and configuration of the IBM Spectrum® Scale based high-performance storage solutions for the scalable data and AI solutions on Amazon Web Services (AWS). Configuration, testing results, and tuning guidelines for running the IBM Spectrum Scale based high-performance storage solutions for the data and AI workloads on AWS are the focus areas of the paper. The LAB Validation was conducted with the Red Hat Linux nodes to IBM Spectrum Scale by using the various Amazon Elastic Compute Cloud (EC2) instances. Simultaneous workloads are simulated across multiple Amazon EC2 nodes running with Red Hat Linux to determine scalability against the IBM Spectrum Scale clustered file system. Solution architecture, configuration details, and performance tuning demonstrate how to maximize data and AI application performance with IBM Spectrum Scale on AWS.

AWS For Admins For Dummies

Guide for Beginners. Easy to Understand

DevOps for the AWS Cloud

Associate Exam

Amazon Web Services for Personal Use

Amazon Elastic Compute Cloud (Ec2)

Cloud computing has created a shift from the use of physical hardware and locally managed software-enabled platforms to that of virtualized cloud-hosted services. Cloud assembles large networks of virtual services, including hardware (CPU, storage, and network) and software resources (databases, message queuing systems, monitoring systems, and load-balancers). As Cloud continues to revolutionize applications in academia, industry, government, and many other fields, the transition to this efficient and flexible platform presents serious challenges at both theoretical and practical levels—ones that will often require new approaches and practices in all areas. Comprehensive and timely, Cloud Computing: Methodology, Systems, and Applications summarizes progress in state-of-the-art research and offers step-by-step instruction on how to implement it. Summarizes Cloud Developments, Identifies Research Challenges, and Outlines Future Directions Ideal for a broad audience that includes researchers, engineers, IT professionals, and graduate students, this book is designed in three sections: Fundamentals of Cloud Computing: Concept, Methodology, and Overview Cloud Computing Functionalities and Provisioning Case Studies, Applications, and Future Directions It addresses the obvious technical aspects of using Cloud but goes beyond, exploring the cultural/social and regulatory/legal challenges that are quickly coming to the forefront of discussion. Properly applied as part of an overall IT strategy, Cloud can help small and medium business enterprises (SMEs) and governments in optimizing expenditure on application-hosting infrastructure. This material outlines a strategy for using Cloud to exploit opportunities in areas including, but not limited to, government, research, business, high-performance computing, web hosting, social networking, and multimedia. With contributions from a host of internationally recognized researchers, this reference delves into everything from necessary changes in users' initial mindset to actual physical requirements for the successful integration of Cloud into existing in-house infrastructure. Using case studies throughout, this book also addresses recent advances and future directions in methodologies, taxonomies, IaaS/SaaS, data management and processing, programming models, and applications.

Take your AWS SysOps skills to the next level by learning infrastructure automation techniques using CloudFormation, Terraform, and Boto3 Key FeaturesExplore AWS automation using CloudFormation, Terraform, and Boto3Leverage AWS to make your infrastructure flexible and highly availableDiscover various methods for building a secure and reliable environment to host your applicationBook Description Amazon Web Services (AWS) is one of the most popular and efficient cloud platforms for administering and deploying your applications to make them resilient and robust. AWS for System Administrators will help you to learn several advanced cloud administration concepts for deploying, managing, and operating highly available systems on AWS. Starting with the fundamentals of identity and access management (IAM) for securing your environment, this book will gradually take you through AWS networking and monitoring tools. As you make your way through the chapters, you'll get to grips with VPC, EC2, load balancer, Auto Scaling, RDS database, and data management. The book will also show you how to initiate AWS automated backups and store and keep track of log files. Later, you'll work with AWS APIs and understand how to use them along with CloudFormation, Python Boto3 Script, and Terraform to automate infrastructure. By the end of this AWS book, you'll be ready to build your two-tier startup with all the necessary infrastructure, monitoring, and logging components in place. What you will learn!Aot a security-first approach by giving users minimum access using IAM policiesBuild your first Amazon Elastic Compute Cloud (EC2) instance using the AWS CLI, Boto3, and TerraformSet up your datacenter in AWS Cloud using VPCScale your application based on demand using Auto ScalingMonitor services using CloudWatch and SNSWork with centralized logs for analysis (CloudWatch Logs)Back up your data using Amazon Simple Storage Service (Amazon S3), Data Lifecycle Manager, and AWS BackupWho this book is for This Amazon Web Services book is for system administrators and solution architects who want to build highly available and flexible AWS Cloud platforms for their applications. Software engineers and programmers looking to deploy their applications to AWS Cloud will also find this book useful. Basic knowledge of Linux and AWS is necessary to get started.

Amazon Elastic Compute Cloud (EC2) is a central part of Amazon.com's cloud computing platform, Amazon Web Services (AWS). EC2 allows users to rent virtual computers on which to run their own computer applications. EC2 allows scalable deployment of applications by providing a Web service through which a user can boot an Amazon Machine Image to create a virtual machine, which Amazon calls an "instance," containing any software desired. This book is your ultimate resource for Amazon Elastic Compute Cloud (EC2). Here you will find the most up-to-date information, analysis, background and everything you need to know. In easy to read chapters, with extensive references and links to get you to know all there is to know about Amazon Elastic Compute Cloud (EC2) right away, covering: Amazon Elastic Compute Cloud, Amazon.com, LoveFilm, iStock, iStock, Things, Amazon, BookBoys, Amazon, BookBoys, Amazon, Novel Award, Amazon Affiliates, Alexa Internet, Alexa Ranking, Alexa Toolbar, Alexa Web Services, Amazon, Amazon Appstore, Amazon Cloud Drive, Amazon Light, Amazon Machine Image, Amazon Vine, Amazon Virtual Private Cloud, Amazon.com controversies, AmazonWireless, Amie Street, Amazon Standard Identification Number, Askville, ASStore, Audible.com, BookBoys, Box Office Mojo, Carbonado (Java), CDNow, Amazon China, Endless.com, Amazon Elastic Block Store, Endless.com, Amazon Fishbow, Amazon Flexible Payments Service, AmazonFresh, Grumpa, Internet Movie Database, Jovo.com, Amazon Kindle, The King of Kame!, Lab126, Lexcycle, Library Thing, Looking for... the Best, Amazon Marketplace, Amazon Mechanical Turk, Mobipocket, Amazon MP3, Obidos (software), Amazon Payments, Perfect 10, Inc. v. Amazon.com, Inc., PlanetAll, Product Advertising API, Reflexive Entertainment, Amazon S3, Sellaband, Amazon Simple Email Service, Sheffari, Amazon Relational Database Service, Amazon SimpleDB, Songza, Amazon Simple Queue Service, Statistically Improbable Phrases, Three Wolf Moon, Ur (novella), Amazon Instant Video, Wantitall.co.za, Amazon Web Services, Woz, Zappos.com, Apache Hadoop, Apache Hive, AppNexus, BigCouch, ClIG, Cloud.be, Cloud.com, Cloudant, Cloudkick, CloudSigma, Couchbase, ElasticHosts, Elasticstack, Enomaly Inc, EnStratus, Eucalyptus (computing), GoGrid, Iland, Jitscale, Kaavo, Linode, MapR, Nimble, Nimbus (cloud computing), OnApp, OpenNebula, OpenStack, OpSource, Pig (programming language), Rackspace Cloud, Right, RightScale, Scafr, ServerSphere, Skytap, Sun Cloud, TurnKey Linux Virtual Appliance Library, Virtual Internet, Wakame-vc This book explains in-depth the real drivers and workings of Amazon Elastic Compute Cloud (EC2). It reduces the risk of your technology, time and resources investment decisions by enabling you to compare your understanding of Amazon Elastic Compute Cloud (EC2) with the objectivity of experienced professionals.

Building on the success of its storefront and fulfillment services, Amazon now allows businesses to "rent" computing power, data storage and bandwidth on its vast network platform. This book demonstrates how developers working with small- to mid-sized companies can take advantage of Amazon Web Services (AWS) such as the Simple Storage Service (S3), Elastic Compute Cloud (EC2), Simple Queue Service (SQS), Flexible Payments Service (FPS), and SimpleDB to build web-scale business applications. With AWS, Amazon offers a new paradigm for IT infrastructure: use what you need, as you need it, and pay as you go. Programming Amazon Web Services explains how you can access Amazon's open APIs to store and run applications, rather than spend precious time and resources building your own. With this book, you'll learn all the technical details you need to: Store and retrieve any amount of data using application servers, unlimited data storage, and bandwidth with the Amazon S3 service Buy computing time using Amazon EC2's interface to requisition machines, load them with an application environment, manage access permissions, and run your image using as many or few systems as needed Use Amazon's web-scale messaging infrastructure to store messages as they travel between computers with Amazon SQS Leverage the Amazon FPS service to structure payment instructions and allow the movement of money between any two entities, humans or computers Create and store multiple data sets, query your data easily, and return the results using Amazon SimpleDB. Scale up or down at a moment's notice, using these services to employ as much time and space as you need Whether you're starting a new online business, need to ramp up existing services, or require an offsite backup for your home, Programming Amazon Web Services gives you the background and the practical knowledge you need to start using AWS. Other books explain how to build web services. This book teaches businesses how to take make use of existing services from an established technology leader.

Amazon Web Services (AWS) Made Simple

Amazon Web Services, A Complete Guide from Beginners to Advanced.

Python and AWS Cookbook

Amazon Cloud Computing With C#/Net

Amazon Web Services AWS

Der Einstieg in die AWS Cloud kann überfordernd und frustrierend sein - so viele Dinge sind zu lernen, so viele Begriffe und Schlagworte einzuordnen. Deshalb begleitet Sie in diesem Kurs der Cloud-Experte Karsten Samaschke bei den ersten Schritten und führt Sie in die Welt der AWS Core Services ein. Lernen Sie die Grundlagen für eine effiziente Nutzung der AWS Cloud und eignen Sie sich das notwendige Wissen an, um sowohl theoretisch als auch praktisch mit den Core Services arbeiten zu können. Am Ende dieses Kurses wissen Sie, was es mit der Elastic Compute Cloud (EC2), dem Simple Storage Service (S3), sowie der Virtual Private Clouds (VPC) und den Security Groups auf sich hat. Dieser Kurs kann auch als Vorbereitung für die Prüfung "AWS Certified Cloud Practitioner" genutzt werden.

Amazon Elastic Compute Cloud (Amazon EC2) provides scalable computing capacity in the Amazon Web Services (AWS) cloud. This guide is a comprehensive guide focusing on EC2 Windows Instances. Set yourself apart by becoming an AWS Certified Cloud Practitioner Take the next step in your career by expanding and validating your skills on the Amazon Web Services (AWS) cloud. The AWS Certified Cloud Practitioner Study Guide: Exam CLF-C01 provides a solid introduction to this industry-leading technology, relied upon by thousands of businesses across the globe, as well as the resources you need to prove your knowledge in the AWS Certification Exam. This guide offers complete and thorough treatment of all topics included in the exam, beginning with a discussion of what the AWS cloud is and its basic global infrastructure and architectural principles. Other chapters dive into the technical, exploring core characteristics of deploying and operating in the AWS Cloud Platform, as well as basic security and compliance aspects and the shared security model. In addition, the text identifies sources of documentation or technical assistance, such as white papers or support tickets. To complete their coverage, the authors discuss the AWS Cloud value proposition and define billing, account management, and pricing models. This includes describing the key services AWS can provide and their common use cases (e.g., compute, analytics, etc.). Distinguish yourself as an expert by including a highly detailed certification in a widely used platform Hone your skills and gain new insights on AWS whether you work in a technical, managerial, sales, purchasing, or financial field Fully prepare for this new exam using expert content and real-world knowledge, key exam essentials, chapter review questions, and other textual resources Benefit from access to the Sybex online interactive learning environment and test bank, including chapter tests, practice exams, key term glossary, and electronic flashcards The AWS Certified Cloud Practitioner Study Guide is essential reading for any professional in IT or other fields that work directly with AWS, soon-to-be graduates studying in those areas, or anyone hoping to prove themselves as an AWS Certified Cloud Practitioner.

This book focuses on Elastic Compute Cloud (EC2) and Simple Storage Service (S3) for developers writing in Python.

Learn how Amazon EC2, S3, SimpleDB and SQS Web Services Enables You to Reach Business Goals Faster

AWS Certified Cloud Practitioner Study Guide

AWS for System Administrators

Amazon Web Services AWS LiveLessons 2nd Edition

Amazon EC2 Cookbook

The Leading Global Cloud Service Provider Amazon Web Services 2019

Would you like to start working in the world of cloud computing but you don't know where to start? Have you already tried to do it by yourself but you're feeling lost when looking at all the services AWS (Amazon Web Services) offers? This book can help you discover all AWS offer, how to use their services together and become an AWS expert! The first chapter of this book will give you all the basic information about AWS, what it is and what are the basic components of it. The following chapters explore the specifics of AWS, answering every doubt you may be having about it. After reading the whole book, you will have an in-depth understanding of why AWS is considered the most flexible, highly scalable, cost-effective as well as reliable infrastructure that you can use for deploying secured web solutions with very minimal support, regardless of your requirements! Here is what you can find in this book: A 360-degree overview of AWS' service offerings Master the key building blocks in the AWS environment that make it a perfect solution to adopt: Identity and Access Management (IAM), Elastic Compute Cloud (EC2), Networking, Cloud Functions (Compute), Content Delivery (DNS) and much more Discover key AWS development tools that you can leverage to propel your business to the next level through big data analytics and artificial intelligence Learn how to comply with sudden business standards and increase the overall size of your business with no extra headache. And much, much, more! AWS is currently grabbing the attention of every business owner and the organizations are trying their level best to incorporate the services within their business. Even if you have not tried the AWS offer for your web solution, it is high time that you do so. With the increase in competition in the web application sector, it is of utter importance to automate all your systems. As an owner, you are only supposed to focus on the required data for your application and the rest needs to be automated. So, if you are interested in the various aspects of AWS and its services, scroll up, click the buy button now, and feel like a pro within a few days!

Product Description Amazon Cloud Computing With C#/Net provides A comprehensive look at the emerging Amazon Web Services Platform and a peep into the emerging paradigm of cloud computing from the perspective of the leading Cloud vendors offerings. It will enable you to plan migration efforts from enterprise systems to ones operating from the cloud. The book is technical in nature and walks the reader through development of tools and programs which work with AWS. The book is accompanied by the complete source code to the exercises covered in the book, which can be downloaded from the authors website. "A no fluff just stuff" approach to utilizing AWS. Amazon Cloud Computing With C#/Net covers - EC2 - CloudWatch - Elastic LoadBalancing - AutoScaling - S3 - Virtual Private Cloud - SimpleDB - RDS - CloudFront - SQS - Elastic MapReduce - Agile Continuous Integration with AWS

Amazon Web Services (AWS) is the leading public cloud platform. In this book you will learn to use Microsoft PowerShell to create, host, manage, and administer workloads using Amazon Web Services. You will learn how to create virtual machines, provision storage, configure networks, and more—all using your preferred Windows scripting language. CIOs everywhere are leading their organizations to the cloud, but there are few books available to help. This book focuses on moving Microsoft Windows workloads to the cloud using technologies familiar to enterprise Microsoft-based professionals. The completely revised and expanded Pro PowerShell for Amazon Web Services is written specifically for Windows professionals who already know PowerShell and want to learn to host Windows workloads on Amazon Web Services. The cloud offers information technology workers significant cost savings and agility unimaginable even just a few years ago. Tasks that traditionally took weeks of work, costing thousands of dollars, can be completed in minutes for a fraction of a penny. New chapters in this second edition cover: AWS Lambda, Amazon WorkSpaces, Amazon AppStream 2.0, AWS Directory Service, Amazon WorkDocs, and AWS System Manager. What You'll Learn Create and manage Windows servers on Elastic Compute Cloud (EC2) Configure and secure networks with Virtual Private Cloud (VPC) Leverage autoScaling to adjust resources as load changes Deploy and manage SQL Server using the Relational Database Service (RDS) Manage virtual desktops using WorkSpaces and AppStream Leverage AWS Systems Manager to manage Windows at scale Who This Book Is For Windows professionals who want to learn more about Amazon Web Services, with a focus on running Windows workloads and automated management at scale using PowerShell tools for AWS. The book assumes you have knowledge of Windows and PowerShell, but are new to AWS.

Start deploying, managing, and scaling containerized applications into AWS container infrastructure using Docker on Amazon EC2, Amazon Elastic Container Service (ECS), and AWS Elastic Kubernetes Service (EKS). This step by step practical book will cover all the available container services on AWS and review the usage of each one based on your required scale and cost. Further, you will see how to set up each environment and finally deploy, manage, and scale containerized applications on each one. In the chapter about Elastic Kubernetes Service (EKS), you will learn the process of building and managing Kubernetes clusters on AWS and see how to provision hosts in a matter of minutes, while deploying containers in seconds and making them available globally. Deploy Containers on AWS shows you how to get started with AWS container offerings and manage production or test environments of containerized applications using a hands-on approach with step-by-step instructions. What You Will Learn Deploy and manage containers with Docker on Amazon EC2 Store and retrieve container images using the Amazon EC2 container registry Orchestrate containers with Amazon Elastic Container Service (ECS) Run Kubernetes-managed infrastructure on AWS (EKS) Monitor, manage, back up, and restore containers on AWS Who This Book Is For Developers, cloud and systems administrators, and architects

AWS Certified Solutions Architect Official Study Guide

Amazon Web Services: A Complete Guide For Beginners and Advanced Users For Amazon Web Services

The Ultimate Step-By-Step Guide from Beginners to Advanced for Amazon Web Services

AWS Certified Solutions Architect : Associate

Pro PowerShell for Amazon Web Services

## Deploy Containers on AWS

Knowledge for Free... Get that job, you aspire for! Want to switch to that high paying job? Or are you already been preparing hard to give interview the next weekend? Do you know how many people get rejected in interviews by preparing only concepts but not focusing on actually which questions will be asked in the interview? Don't be that person this time. This is the most comprehensive AWS (Amazon Web Services) interview questions book that you can ever find out. It contains: 500 most frequently asked and important AWS (Amazon Web Services) interview questions and answers Wide range of questions which cover not only basics in AWS (Amazon Web Services) but also most advanced and complex questions which will help freshers, experienced professionals, senior developers, testers to crack their interviews.

The Amazon Web Services, AWS Certified Solutions Architect is among the most valuable and highly sought after cloud computing certifications in the world today.The Associate examination is intended for individuals who perform a solutions architect role and have one or more years of hands-on experience designing available, cost-efficient, fault-tolerant, and scalable distributed systems on AWS. The examination is comprised of 65 questions, either multiple choice or multiple response, and you have 130 minutes to complete the exam.

This book is an exploration of the Amazon Elastic Compute Cloud (EC2). The first part of the book is a guide for you on what the Amazon EC2 is. This allows those who are not aware of what EC2 is to learn more about it. The book then guides you on how to get started with Amazon EC2. If you are a user, you will learn the tasks that you have to do to begin using it. Of course, one begins by creating an Amazon Web Services (AWS) account. This book guides you on how to create your AWS account. Each account on AWS must belong to a security group. This defines how access is done. This book also guides you on how to create such a security group. The security groups are associated with accounts. You are guided on how to add your account to a particular security group. An identity and access management user is also good for an AWS account. This book guides you on the steps for creating one. After the second chapter, you will have learned how to set up your AWS EC2 account, and it will be working as you expected. The book then guides you on how to deploy a MEAN App to the Amazon EC2. In this chapter, you will be using the MongoDB. You will learn how to use it as DaaS, and how to install it and use it in your EC2 Instance. The book also guides you on how to run a Tableau Server on EC2 Instances. The following topics are discussed in this book: - What is Amazon Elastic Compute Cloud? - Account Setup in Amazon EC2 - Deployment of MEAN App to the Amazon EC2 - Running Tableau Server on EC2 Instances

Cloud Computing erlaubt die Bereitstellung und Nutzung von IT-Infrastruktur, von Plattformen und von Anwendungen aller Art als im Web elektronisch verfügbare Dienste. Die Autoren vermitteln einen Überblick über die Architektur, über Anwendungen und die Entwicklung von Cloud Computing. Ziel ist es, die Leserinnen und Leser auf einen einheitlichen Stand zu bringen und so eine gemeinsame Diskussionsgrundlage zu schaffen. Technische Vorkenntnisse sind für das Verständnis nicht erforderlich.

Amazon Elastic Compute Cloud User Guide for Windows Instances

All You Need To Know About The Leading Global Cloud Service Provider

Amazon Web Services: Core Services (AWS Cloud Practitioner)

AWS Fundamentals

AWS Basics

Amazon Web Services Made Simple

Cloud computing has provided multiple advantages as well as challenges to software and infrastructure services. In order to be fully beneficial, these challenges facing cloud specific communication protocols must be addressed. Communication Infrastructures for Cloud Computing presents the issues and research directions for a broad range of cloud computing aspects of software, computing, and storage systems. This book will highlight a broad range of topics in communication infrastructures for cloud computing that will benefit researchers, academics, and practitioners in the active fields of engineering, computer science, and software.

**NEW DESCRIPTION BY PATSRR** Long version: Peloton uses it to power its live leaderboard. Cerner needs it to power machine learning and artificial intelligence. Expedia is using it for more and more of its critical apps. From GE Healthcare to Kellogg's, from Dow Jones to Adobe, companies rely on it to give them speed, flexibility—including to scale up and down quickly—and solutions to specific problems. It is Amazon Web Services (AWS), which combines cloud hosting with a suite of problem-solving services. Learning how to use AWS and understanding its pros and cons can add a critical skill to your résumé or help you make informed decisions for your company. AWS hosting is offered for both Windows and Linux operating systems and works with various platforms, including WordPress, Ruby, Drupal, Magento, Joomla, and Dot Net. Scheduled backups, dispersed data center locations, elastic load balancing, and content delivery are among the services offered by AWS. Amazon's pricing structure is different and more complex than what other cloud providers offer, so the average webmaster may struggle to understand what is needed and what it will cost. Amazon Web Services is a step-by-step guide to becoming an expert at Amazon Web Services. While comprehensive, it is suitable for beginners and easy to understand, moving from the basics to the specifics with these topics: Basics of cloud computing Importance of cloud computing in business Getting started with Amazon Web Services Pros and cons, startup costs Your business and web services Managing the platform, services, and apps Terminology Search engine optimization AWS for managers AWS for Amazon users Getting published with Amazon Publishing Making money with Amazon store services EC2 & S3 Amazon Prime Air, the drone delivery service now in development Kindle Fire Tablet Tutorials Amazon's secret plan and much more! Amazon dominates markets and creates new products and services. If you don't understand Amazon Web Services, there is no better time to start learning. Don't let excuses such as a busy schedule keep you from finding a crucial partner along the path to your goals. Buy [title of book] to get started now.

An all-new Amazon Web Services AWS LiveLessons video course by Richard A. Jones—fully updated with demos and use cases—is now available: <https://learning.oreilb.com/videos/amazon-web-services/9780135581247>. 6 Hours of Video Instruction on Amazon Web Services (AWS) Overview: Six hours of video instruction on Amazon Web Services with coverage on cloud computing and available AWS services, as well as a guided hands-on look at using services such as EC2 (Elastic Compute Cloud), S3 (Simple Storage Service), and more. Description Amazon Web Services (AWS) LiveLessons is a unique video product designed to provide a solid foundational understanding of the Amazon Web Services (AWS) infrastructure-as-a-service products. The course covers concepts necessary to understand cloud computing platforms, working with virtual machines, storage in the cloud, security, high availability, and more. Amazon Web Services (AWS) LiveLessons contains 11 independent video lessons totaling 6 hours of instruction. The videos contain in-depth instruction using live demos, slide instruction, and video captures. Demonstrations of Amazon Web Services and third-party cloud solutions are included to provide necessary context and experience for further study and use of AWS. Skill Level All Levels Beginner What You Will Learn Lesson 1: AWS Overview Lesson 2: Security in AWS Lesson 3: Networking in AWS Lesson 4: Computing in AWS Lesson 5: Storage in AWS Lesson 6: Databases in AWS Lesson 7: Analytics in AWS Lesson 8: Developer and Management Tools Lesson 9: Mobile and Application Services Lesson 10: High Availability & Fault Tolerance Lesson 11: Course Wrap Up Who Should Take This Course Working software developers, system administrators, or solution architects who want to migrate applications to or build applications natively in the cloud, and those pursuing AWS certification. About LiveLessons Video Training LiveLessons Video Training series publishes hundreds of hands-on, expert-led video tutorials covering a wide selection of technology topics designed to teach you the skills you need to succeed. This professional and personal technology video series features world-leading author instructors published by your trusted technology brands: Addison-Wesley, Cisco Press, IBM Press, Pearson IT Certification, Prentice Hall, Sams, and Que. Topics include IT Certification, Programming, Web Development, Mobile Development, Home and Office Technologies, Business and Management, and more.

Easily get your head in the Cloud with Amazon Web Services With Amazon Web Services (AWS), you can do everything from backing up your personal hard drive to creating a full-fledged IT department in the Cloud. And while major corporations like Adobe and Netflix have turned to AWS for their Cloud computing needs, it isn't just for private companies. Amazon Web Services For Dummies is the singular resource that shows real people with real businesses how to use on-demand IT resources to help their companies grow. If you're like most people just getting their feet wet with this service, your first question is likely to be, "How do I get started with AWS?" This book answers that question—and a multitude more—in language you can understand and shows you how to put this Cloud computing service to work for you right away. AWS is immense and, naturally, intimidating, but with the help of this book, you'll peel back its many layers in no time! Provides overviews that explain what tasks the services perform and how they relate to each other Offers specific paths to follow in order to obtain a particular installation result Gets you started without making a huge investment Reduces the risk of failure by ensuring you understand available options as part of the configuration and usage process Stop wasting time and resources on hardware and software that's quickly outdated. Get started with AWS today!

AWS Amazon Elastic Compute Cloud User Guide for Linux Instances Build, automate, and manage your infrastructure on the most popular cloud platform – AWS

CLF-C01 Exam

500 AWS Interview Questions and Answers

Pro PowerShell for Amazon Web Services is written specifically for Windows professionals who already know PowerShell and want to learn to host Windows workloads in the Amazon Elastic Cloud Compute (EC2) cloud service. The cloud offers information technology workers significant cost savings and agility unimaginable even just a few years ago. Tasks that traditionally took weeks of work, costing thousands of dollars, can be completed in minutes for a fraction of a penny. This book is a resource for using Microsoft's powerful scripting language, PowerShell, to create, host, manage, and administer workloads using a service widely recognized as the industry leader in cloud computing. Inside, find scripts to create and manage virtual machines, provision storage, configure networks with agility, and more—all using your preferred Windows scripting language. Use your PowerShell knowledge to harness the power of Amazon EC2 today! What you'll learn: Create, manage, and terminate Windows servers in the cloud Manage storage options including backup and recovery Configure a virtual network including subnets and route tables Secure your servers using security groups and access control lists Use Auto Scaling to respond to changing conditions Deploy SQL Server using Relational Database Service Use Simple Storage Service (S3) to reliably store and archive data Control access to resources using Identity and Access Management (IAM) Who this book is for: Pro PowerShell for Amazon Web Services is for the intermediate to advanced Windows professional who is ready to make the leap to the Amazon cloud. Table of Contents Chapter 1 AWS Architecture Overview Chapter 2 Getting Started Chapter 3 Basic Instance Management Chapter 4 Elastic Block Storage Chapter 5 Virtual Private Cloud Chapter 6 Advanced Instance Management Chapter 7 Amazon Machine Images Chapter 8 Monitoring and High Availability Chapter 9 Relational Database Service Chapter 10 Simple Storage Service Chapter 11 Identity and Access Management Chapter 12 Glossary of Terms Chapter 13 Metadata URL Structure Chapter 14 List of Filters by EC2 Command Chapter 15 List of API Methods by Command Chapter 16 CloudWatch Metrics and Dimensions Chapter 17 SQL Server RDS Parameters