

Amazon Aws User Guide

An effective guide to becoming an AWS Certified SysOps Administrator Key Features Not only pass the certification with confidence but also enhance your skills to solving real-world scenarios. A practical guide to getting you hands-on experience with application management, deployment, operation. Enhance your AWS skills with practice questions and mock tests. Book Description AWS certifications are becoming one of the must have certifications for any IT professional working on an AWS Cloud platform. This book will act as your one stop preparation guide to validate your technical expertise in deployment, management, and operations on the AWS platform. Along with exam specific content this book will also deep dive into real world scenarios and hands-on instructions. This book will revolve around concepts like teaching you to deploy, manage, and operate scalable, and fault tolerant systems on AWS. You will also learn to migrate an existing on-premises application to AWS. You get hands-on experience in selecting the appropriate AWS service based on compute, data, or security requirements. This book will also get you well versed with estimating AWS usage costs and identifying operational cost control mechanisms. By the end of this book, you will be all prepared to implement and manage resources efficiently on the AWS cloud along with confidently passing the AWS Certified SysOps Administrator – Associate exam. What you will learn Create and manage users, groups, and permissions using AWS IAM services Create a secure VPC with public and private subnets, Network Access Control, and security groups Get started with launching your first EC2 instance, and working with it Handle application traffic with ELB and monitor AWS resources with CloudWatch Work with S3, Glacier, and CloudFront Work across distributed application components using SWF Understand event-based processing with Lambda and messaging SQS and SNS in AWS Get familiar with AWS deployment concepts and tools including Elastic Beanstalk, CloudFormation and AWS OpsWorks Who this book is for If you are a system administrator or a system engineer interested in leveraging the AWS platform to deploy applications then, this book is for you. IT professionals interested in passing the AWS Certified SysOps Administrator will also benefit from this book. Some basic understanding of working AWS components would do wonders.

AWS Amazon Web Services. Beginners Guide. The Ultimate Tutorial Many of us might've heard of Amazon web services. When we think of it, we probably don't even realize the significance of a web development service such as this. Many don't even realize how this can help others, because we all think, hey it's owned by Amazon. Why would we care? Well, AWS is the future of data management and security, and there is so much that you can do with this. It's saved people so much money already, that's it's changing the future of development not just for businesses, but for those who are big as well, giving them more to work with than ever before. Before AWS we don't even realize how much this can help us, but many are achieving the benefits of AWS certified already through the use of these web services. Many have learned to invest in data security and software that will help protect their data, and what's more amazing about this, is that it's so similar to competitive software, but at a fraction of the price. In this book, you'll learn the following about AWS: What it is How it's benefited so many people already Why you should care about amazon web services and what to do with it How to use AWS applications Different web development applications Coding software and applications that can help you Different ways it can help with big data Different AWS service software How each of these different pieces of development software are about to help you When it comes to the future of web services, AWS is one of the best ways to go about dealing with this. You'll be amazed by the difference that this indeed does make, and some of the different ways that you can, as a person who uses web development, or even mobile development or IT, get the benefits from this. AWS is changing the way we handle data big and small, and if you're looking for a way to get the full benefits out of data security and management, with software that you can trust, then this is ultimately the way to go, and the way that you should be doing this. Download your copy of " AWS " by scrolling up and clicking "Buy Now With 1-Click" button.

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 Learn about Cloud Computing - What is behind it? Find out the "Why" and "How" of Amazon Web Services You'll learn the Traditional Software Licensing 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 advantages 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 EC2 effectively Amazon Prime Video, Easy to use Functions 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! Learn to build robust security controls for the infrastructure, data, and applications in the AWS Cloud. KEY FEATURES ? Takes a comprehensive layered security approach that covers major use-cases. ? Covers key AWS security features leveraging the CLI and Management Console. ? Step-by-step instructions for all topics with graphical illustrations. ? Relevant code samples written in JavaScript (for Node.js runtime), DESCRIPTION If you're looking for a comprehensive guide to Amazon Web Services (AWS) security, this book is for you. With the help of this book, cloud professionals and the security team will learn how to protect their cloud infrastructure components and applications from external and internal threats. The book uses a comprehensive layered security approach to look into the relevant AWS services in each layer and discusses how to use them. It begins with an overview of the cloud's shared responsibility model and how to effectively use the AWS Identity and Access Management (IAM) service to configure identities and access controls for various services and components. The subsequent chapter covers AWS infrastructure security, data security, and AWS application layer security. Finally, the concluding chapters introduce the various logging, monitoring, and auditing services available in AWS, and the book ends with a chapter on AWS security best practices. By the end, as readers, you will gain the knowledge and skills necessary to make informed decisions and put in place security controls to create AWS application ecosystems that are highly secure. WHAT YOU WILL LEARN ? Learn to create a layered security architecture and employ defense in depth. ? Master AWS IAM and protect APIs. ? Use AWS WAF, AWS Secrets Manager, and AWS Systems Manager Parameter Store. ? Learn to secure data in Amazon S3, EBS, DynamoDB, and RDS using AWS Key Management Service. ? Secure Amazon VPC, filter IPs, use Amazon Inspector, use ECR image scans, etc. ? Protect cloud infrastructure from DDoS attacks and use AWS Shield. WHO THIS BOOK IS FOR The book is intended for cloud architects and security professionals interested in delving deeper into the AWS cloud's security ecosystem and determining the optimal way to leverage AWS security features. Working knowledge of AWS and its core services is necessary. TABLE OF CONTENTS 1.

Introduction to Security in AWS 2. Identity And Access Management 3. Infrastructure Security 4. Data Security 5. Application Security 6. Logging, Monitoring, And Auditing 7. Security Best Practices

Latest Amazon AWS Certified Developer Associate DVA-C01 Exam Questions and Answers

Amazon ECR User Guide

Build your knowledge and technical expertise as an AWS-certified networking specialist

Amazon Elastic Compute Cloud User Guide for Linux Instances

AWS Certified Solutions Architect – Associate Guide

Guide for Beginners. Easy to Understand

Rails Crash Course

Introduces the topic of cloud computing with an emphasis on the trustworthiness of cloud computing systems and services This book describes the scientific basis of cloud computing, explaining the ideas, principles, and architectures of cloud computing as well the different types of clouds and the services they provide. The text reviews several cloud computing platforms, including Microsoft Azure, Amazon, Oracle, Google, HP, IBM, Salesforce, and Kaavo. The author addresses the problem of trustworthiness in cloud computing and provides methods to improve the security and privacy of cloud applications. The end-of-chapter exercises and supplementary material on the book's companion website will allow readers to grasp the introductory and advanced level concepts of cloud computing. Examines cloud computing platforms such as Microsoft Azure, Amazon Elastic Compute Cloud, and OpenStack. Analyzes the use of aspect-oriented programming (AOP) for refactoring cloud services and improving the security and privacy of cloud applications. Contains practical examples of cloud computing, test questions, and end-of-chapter exercises. Includes presentations, examples of cloud projects and other teaching resources at the author's website (<http://www.vladimirofirov.org/cloud>) Trustworthy Cloud Computing is written for advanced undergraduate and graduate students in computer science, data science, and computer engineering as well as software engineers, system architects, system managers, and software developers new to cloud computing.

The first textbook to teach students how to build data analytic solutions on large data sets using cloud-based technologies. This is the first textbook to teach students how to build data analytic solutions on large data sets (specifically in Internet of Things applications) using cloud-based technologies for data storage, transmission and mashup, and AI techniques to analyze this data. This textbook is designed to train college students to master modern cloud computing systems in operating principles, architecture design, machine learning algorithms, programming models and software tools for big data mining, analytics, and cognitive applications. The book will be suitable for use in one-semester computer science or electrical engineering courses on cloud computing, machine learning, cloud programming, cognitive computing, or big data science. The book will also be very useful as a reference for professionals who want to work in cloud computing and data science. Cloud and Cognitive Computing begins with two introductory chapters on fundamentals of cloud computing, data science, and adaptive computing that lay the foundation for the rest of the book. Subsequent chapters cover topics including cloud architecture, mashup services, virtual machines, Docker containers, mobile clouds, IoT and AI, inter-cloud mashups, and cloud performance and benchmarks, with a focus on Google's Brain Project, DeepMind, and X-Lab programs, IBM Kai HwangM SyNapse, Blueomic programs, cognitive initiatives, and neurocomputers. The book then covers machine learning algorithms and cloud programming software tools and application development, applying the tools in machine learning, social media, deep learning, and cloud application development, and illustrating with big data and cognitive computing examples.

Learn from the AWS subject-matter experts, apply real-world scenarios and clear the AWS Certified Solutions Architect – Associate exam Key FeaturesBuild highly reliable and scalable workloads on the AWS platformPass the exam in less time and with confidenceGet up and running with building and managing applications on the AWS platformBook Description Amazon Web Services (AWS) is currently the leader in the public cloud market. With an increasing global interest in leveraging cloud infrastructure, the AWS Cloud from Amazon offers a cutting-edge platform for architecting, building, and deploying web-scale cloud applications. As more the rate of cloud platform adoption increases, so does the need for cloud certification. The AWS Certified Solutions Architect – Associate Guide is your one-stop solution to gaining certification. Once you have grasped what AWS and its prerequisites are, you will get insights into different types of AWS services such as Amazon S3, EC2, VPC, SNS, and more to get you prepared with core Amazon services. You will then move on to understanding how to design and deploy highly scalable applications. Finally, you will study security concepts along with the AWS best practices and mock papers to test your knowledge. By the end of this book, you will not only be fully prepared to pass the AWS Certified Solutions Architect – Associate exam but also capable of building secure and reliable applications. What you will learnExplore AWS terminology and identify and access managementAcquire yourself with important cloud services and features in categories such as compute, network, storage, and databasesDefine access control to secure AWS resources and set up efficient monitoringBack up your database and ensure high availability by understanding all of the database-related services in the AWS CloudIntegrate AWS with your applications to meet and exceed non-functional requirementsBuild and deploy cost-effective and highly available applicationsWho this book is for The AWS Certified Solutions Architect – Associate Guide is for you if you are an IT professional or Solutions Architect wanting to become an AWS Certified Solutions Architect Associate 2018 exam. This book is also for developers looking to start building scalable applications on AWS.

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 exam essentials, chapter review questions, access to Sybex's interactive online 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 RDBMS through AWS RDS (MySQL, Oracle, SQL Server, PostgreSQL, Aurora) Understanding Load 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 content and robust study tools that will help you gain the edge on exam day and throughout your career.

A comprehensive guide to becoming an AWS Certified Database specialist

Amazon Elastic Compute Cloud User Guide for Windows Instances

Associate SOA-C01

Latest Amazon AWS Certified Solutions Architect - Professional SAP-C01 Exam Questions and Answers

Cloud Computing Security

AWS Certified Developer – Associate Guide

Amazon Elastic Container Registry (Amazon ECR) is a managed AWS Docker registry service that is secure, scalable, and reliable. Amazon ECR supports private Docker repositories with resource-based permissions using AWS IAM so that specific users or Amazon EC2 instances can access repositories and images. Developers can use the Docker CLI to push, pull, and manage images.

Rails is a robust, flexible development platform that lets you build complex websites quickly. Major websites like GitHub, Hulu, and Twitter have run Rails under the hood, and if you know just enough HTML and CSS to be dangerous, Rails Crash Course will teach you to harness Rails for your own projects and create web applications that are fast, stable, and secure. In Part I, you'll learn Ruby and Rails fundamentals and then dive straight into models, controllers, views, and deployment. As you work through the basics, you'll learn how to -Craft persistent models with Active Record -Build view templates with Embedded Ruby -Use Git to roll back to previous versions of your code base -Deploy applications to Heroku In Part II, you'll take your skills to the next level as you work with advanced Ruby tools, such as modules and metaprogramming, and advanced data modeling techniques within Rails's Active Record. You'll learn how to -Implement an authentication system to identify authorized users -Write your own automated tests and refactor your code with confidence -Maximize performance with the asset pipeline and turbolinks -Secure your app against SQL injection and cross-site scripting -Set up a server and deploy applications with Capistrano Each chapter is packed with hands-on examples and exercises to reinforce what you've learned. Whether you're completely new to Ruby or you've been mucking around for a bit, Rails Crash Course will take you from the basics to shipping your first Rails application, fast.

Virtual, hands-on learning labs allow you to apply your technical skills in realistic environments. So Sybex has bundled AWS labs from Xtremelabs with our popular AWS Certified Cloud Practitioner Study Guide to give you the same experience working in these labs as you prepare for the Certified Cloud Practitioner Exam that you would face in a real-life application. These labs in addition to the book are a proven way to prepare for the certification and for work as an AWS Cloud Practitioner. 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 within the Certified Cloud Practitioner 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 obtaining a highly desirable 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 Xtremelabs virtual labs that run from your browser. The registration code is included with the book and gives you 6 months unlimited access to Xtremelabs AWS Certified Cloud Practitioner Labs with 8 unique lab modules based on the book. 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 official study guide for the AWS certification specialty exam The AWS Certified Advanced Networking Official Study Guide - Specialty Exam helps to ensure your preparation for the AWS Certified Advanced Networking - Specialty Exam. Expert review of AWS fundamentals align with the exam objectives, and detailed explanations of key exam topics merge with real-world scenarios to help you build the robust knowledge base you need to succeed on the exam—and in the field as an AWS Certified Networking specialist. Coverage includes the design, implementation, and deployment of cloud-based solutions; core AWS services implementation and knowledge of architectural best practices; AWS service architecture design and maintenance; networking automation; and more. You also get one year of free access to Sybex's online interactive learning environment and study tools, which features flashcards, a glossary, chapter tests, practice exams, and a test bank to help you track your progress and gauge your readiness as exam day grows near. The AWS credential validates your skills surrounding AWS and hybrid IT network architectures at scale. The exam assumes existing competency with advanced networking tasks, and assesses your ability to apply deep technical knowledge to the design and implementation of AWS services. This book provides comprehensive review and extensive opportunities for practice, so you can polish your skills and approach exam day with confidence. Study key exam essentials with expert insight Understand how AWS skills translate to real-world solutions Test your knowledge with challenging review questions Access online study tools, chapter tests, practice exams, and more Technical expertise in cloud computing, using AWS, is in high demand, and the AWS certification shows employers that you have the knowledge and

2019 Amazon Web Services Beginners User Guide - The Ultimate Tutorial

AWS Certified SysOps Administrator Study Guide

AWS Certified Security Study Guide

AWS Certified SysOps Administrator Study Guide with Online Labs

AWS Certified SysOps Administrator Official Study Guide

Amazon Inspector User Guide

Trustworthy Cloud Computing

This handbook offers a comprehensive overview of cloud computing security and implementation while exploring practical solutions to a wide range of cloud computing security issues. As more organizations use cloud computing and cloud providers for data operations, the need for proper security in these and other potentially vulnerable areas has become a global priority for organizations of all sizes. Research efforts from academia and industry, as conducted and reported by experts in all aspects of security related to cloud computing, are gathered within one reference guide. Features ? Covers patching and configuration vulnerabilities of a cloud server ? Evaluates methods for data encryption and long-term storage in a cloud server ? Demonstrates how to verify identity using a certificate chain and how to detect inappropriate changes to data or system configurations John R. Vacca is an information technology consultant and internationally known author of more than 600 articles in the areas of advanced storage, computer security, and aerospace technology. John was also a configuration management specialist, computer specialist, and the computer security official (CSO) for NASA's space station program (Freedom) and the International Space Station Program from 1988 until his retirement from NASA in 1995.

Amazon Inspector enables you to analyze the behavior of your AWS resources and helps you to identify potential security issues. Using Amazon Inspector, you can define a collection of AWS resources that you want to include in an assessment target. You can then create an assessment template and launch a security assessment run of this target. During the assessment run, the network, file system, and process activity within the specified target are monitored, and a wide set of activity and configuration data is collected. This data includes details of communication with AWS services, use of secure channels, details of the running processes, network traffic among the running processes, and more. The collected data is correlated, analyzed, and compared to a set of security rules specified in the assessment template. A completed assessment run produces a list of findings - potential security problems of various severity.

Learn from the AWS subject-matter experts, explore real-world scenarios, and pass the AWS Certified Developer – Associate exam Key FeaturesThis fast-paced guide will help you clear the AWS Certified Developer – Associate (DVA-C01) exam with confidenceGain valuable insights to design, develop, and deploy cloud-based solutions using AWSDevelopment expert core AWS skills with practice questions and mock testsBook Description This book will focus on the revised version of AWS Certified Developer Associate exam. The 2019 version of this exam guide includes all the recent services and offerings from Amazon that benefits developers. AWS Certified Developer – Associate Guide starts with a quick introduction to AWS and the prerequisites to get you started. Then, this book will describe about getting familiar with Identity and Access Management (IAM) along with Virtual private cloud (VPC). Next, this book will teach you about microservices, serverless architecture, security best practices, advanced deployment methods and more. Going ahead we will take you through AWS DynamoDB a NoSQL Database Service, Amazon Simple Queue Service (SQS) and CloudFormation Overview. Lastly, this book will help understand Elastic Beanstalk and will also walk you through AWS lambda. At the end of this book, we will cover enough topics, tips and tricks along with mock tests for you to be able to pass the AWS Certified Developer – Associate exam and develop as well as manage your applications on the AWS platform. What you will learnCreate and manage users, groups, and permissions using AWS IAM servicesCreate a secured VPC with Public and Private Subnets, NAC, and Security groupsLaunching your first EC2 instance, and working with itHandle application traffic with ELB and monitor AWS resources with CloudWatchWork with AWS storage services such as S3, Glacier, and CloudFrontGet acquainted with AWS DynamoDB a NoSQL database serviceUse SWF to coordinate work across distributed application components Who this book is for This book is for IT professionals and developers looking to clear the AWS Certified Developer Associate 2019 exam. Developers looking to develop and manage their applications on the AWS platform will also find this book useful. No prior AWS experience is needed.

Discover the pillars of AWS infrastructure automation, starting with API-driven infrastructure concepts and its immediate benefits such as increased agility, automation of the infrastructure life cycle, and flexibility in experimenting with new architectures. With this base established, the book discusses infrastructure-as-code concepts in a general form, establishing principled outcomes such as security and reproducibility. Inescapably, we delve into how these concepts enable and underpin the DevOps movement. The Definitive Guide to AWS Infrastructure Automation begins by discussing services and tools that enable infrastructure-as-code solutions; first stop: AWS's CloudFormation service. You'll then cover the ever-expanding ecosystem of tooling emerging in this space, including CloudFormation wrappers such as Troposphere and orchestrators such as Sceptre, to completely independent third-party tools such as Terraform and Pulumi. As a bonus, you'll also see how AWS' newly-released CDK (Cloud Development Kit). You'll then look at how to implement modular, robust, and extensible solutions across a few examples - in the process building out each solution with several different tools to compare and contrast the strengths and weaknesses of each. By the end of the journey, you will have gained a wide knowledge of both the AWS-provided and third-party ecosystem of infrastructure-as-code/provisioning tools, and the strengths and weaknesses of each. You'll possess a mental framework for how to craft an infrastructure-as-code solution to solve future problems based on examples discussed throughout the book. You'll also have a demonstrable understanding of the hands-on operation of each tool, situational appropriateness of each tool, and how to leverage the tool day to day. What You Will Learn Discover the technological and organizational benefits to infrastructure-as-code solutions Examine the overall landscape of infrastructure-as-code tooling and solutions available to consumers of AWS services See the strengths and weaknesses of these tools relative to one another as examined through hands-on implementation of several solutions Gain hands-on experience, best practices, and tips and tricks learned through several years' real-world experience delivering solutions using these very tools in a wide variety of scenarios Engineer solid solutions that leave room for new requirements and changes without requiring needless refactoring Who This Book Is For DevOps engineers, cloud engineers and architects focused on the AWS ecosystem, software engineers/developers working within the AWS ecosystem, and engineering leaders looking for best practices.

Amazon Web Services Beginners Guide - The Ultimate Tutorial

AWS Certified Database - Specialty (DBS-C01) Certification Guide

Foundations and Challenges

Amazon Simple Storage Service Console User Guide

Amazon CloudWatch User Guide

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

AWS Certified Developer Official Study Guide - Associate Exam

Amazon Elastic 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.

Foreword by Werner Vogels, Vice President and Corporate Technology Officer, Amazon The AWS exam has been updated. Your study guide should be, too. The AWS Certified Developer Official Study Guide–Associate Exam is your ultimate preparation resource for the latest exam! Covering all exam objectives, this invaluable resource puts a team of AWS experts at your side with expert guidance, clear explanations, and the wisdom of experience with AWS best practices. You'll master core services and basic architecture, and equip yourself to develop, deploy, and debug cloud-based applications using AWS. The AWS Developer certification is earned by those who demonstrate the technical knowledge and skill associated with best practices for building secure, reliable cloud-based applications using AWS technology. This book is your official exam prep companion, providing everything you need to know to pass with flying colors. Study the AWS Certified Developer Exam objectives Gain expert insight on core AWS services and best practices Test your understanding of key concepts with challenging chapter questions Access online study tools including electronic flashcards, a searchable glossary, practice exams, and more Cloud computing offers businesses the opportunity to replace up-front capital infrastructure expenses with low, variable costs that scale as they grow. This customized responsiveness has negated the need for far-future infrastructure planning, putting thousands of servers at their disposal as needed—and businesses have responded, propelling AWS to the number-one spot among cloud service providers. Now these businesses need qualified AWS developers, and the AWS certification validates the exact skills and knowledge they're looking for. When you're ready to get serious about your cloud credentials, the AWS Certified Developer Official Study Guide–Associate Exam is the resource you need to pass the exam with flying colors. NOTE: As of October 7, 2019, the accompanying code for hands-on exercises in the book is available for downloading from the secure Resources area in the online test bank. You'll find code for Chapters 1, 2, 11, and 12.

Amazon Elastic Compute Cloud User Guide for Linux Instances

Exam Name : Amazon AWS DevOps Engineer - Professional Exam Code : DOP-C01 Edition : Latest Version (100% valid and stable) Number of Questions : 260 Questions with Answer

Amazon CloudWatch Logs User Guide

Your one-stop solution for passing the AWS SysOps Administrator certification

AWS Certified Security – Specialty Exam Guide

CLF-C01 Exam

A No-Nonsense Guide to Rails Deployment

AWS Certified Advanced Networking - Specialty Exam Guide

Specialty Exam

Comprehensive, interactive exam preparation and so much more The AWS Certified SysOps Administrator Official Study Guide: Associate Exam is a comprehensive exam preparation resource. This book bridges the gap between exam preparation and real-world readiness, covering exam objectives while guiding you through hands-on exercises based on situations you'll likely encounter as an AWS Certified SysOps Administrator. From deployment, management, and operations to migration, data flow, cost control, and beyond, this guide will help you internalize the processes and best practices associated with AWS. The Sybex interactive online study environment gives you access to invaluable preparation aids, including an assessment test that helps you focus your study on areas most in need of review, and chapter tests to help you gauge your mastery of the material. Electronic flashcards make it easy to study anytime, anywhere, and a bonus practice exam gives you a sneak preview so you know what to expect on exam day. Cloud computing offers businesses a cost-effective, instantly scalable IT infrastructure. The AWS Certified SysOps Administrator - Associate credential shows that you have technical expertise in deployment, management, and operations on AWS. Study exam objectives Gain practical experience with hands-on exercises Apply your skills to real-world scenarios Test your understanding with challenging review questions Earning your AWS Certification is much more than just passing an exam—you must be able to perform the duties expected of an AWS Certified SysOps Administrator in a real-world setting. This book does more than coach you through the test: it trains you in the tools, procedures, and thought processes to get the job done well. If you're serious about validating your expertise and working at a higher level, the AWS Certified SysOps Administrator Official Study Guide: Associate Exam is the resource you've been seeking.

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 allow 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 setup 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 create a Talant on the EC2 Instance. 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 You'll also find an extensive reference and exam Study Guide for the UPDATED AWS SysOps Administrator certification! This comprehensive book guides readers through the role of a SysOps Administrator and helps prepare candidates to take the updated AWS Certified SysOps Administrator–Associate (SOA-C01) Exam. The AWS Certified SysOps Administrator–Associate certification validates technical expertise in deployment, management, and operations on the AWS platform. This Study Guide not only prepares readers for the AWS exam, but it makes sure the reader is ready to perform the duties expected of SysOps Administrators. The book focuses on the skill-set required of AWS professionals by filling in the gap between test preparation and real-world preparedness. Concepts covered include: Monitoring and Reporting High Availability Deployment and Provisioning Storage and Dada Management Security and Compliance Networking Automation and Optimization And More Readers will also have one year of free access to the Sybex interactive online learning environment and test bank, providing a suite of robust study tools including an assessment test, chapter tests, bonus practice exam, electronic flashcards, and a glossary of key terms.

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.

AWS Certified Solutions Architect Official Study Guide

AWS Certified SysOps Administrator - Associate Guide

AWS Certified Advanced Networking Official Study Guide

Design, build, and manage your infrastructure on Amazon Web Services, 2nd Edition

Design, Build, Monitor, and Manage a Fortified Application Ecosystem on AWS (English Edition)

Associate Exam

Associate (DVA-C01) Exam

Develop technical skills and expertise to automate AWS networking tasks Key FeaturesA fast paced guide that will help you pass the exam with confidence Learn advanced skill sets to build effective AWS networking solutions Enhance your AWS skills with practice exercises and mock tests Book Description Amazon has recently come up with specialty certifications which validates a particular user's expertise that he/she would want to build a career in. Since the Cloud market now demands of AWS networking skills this becomes the most wanted certification to uphold one's industry portfolio. This book would be your ideal companion to getting skilled with complex and creative networking solutions. Cloud practitioners or associate-level certified individuals interested in validating advanced skills in networking can opt for this practical guide. This book will include topics that will help you design and implement AWS and hybrid IT network architectures along with some network automation tasks. You will also delve deep into topics that will help you design and maintain network architecture for all AWS services like most of our certification guides will also follow a unique approach of testing your learning with chapter-level practice exercises and certification-based mock tests. The exam mock tests will help you gauge whether you are ready to take the certification exam or not. This book will also be an advanced guide for networking professionals to enhance their networking skills and get certified. By the end of this book, you will be all equipped with AWS networking concepts and techniques and will have mastered core architectural best practices. What you will learn Formulate solution plans and provide guidance on AWS architecture best practices Design and deploy scalable, highly available, and fault-tolerant systems on AWS Identify the tools required to replicate an on-premises network in AWS Analyze the access and egress of data to and from AWS Select the appropriate AWS service based on data, compute, database, or security requirements Estimate AWS costs and identify cost control mechanisms Who this book is for If you are a system administrator, or a network engineer interested in getting certified with an advanced Cloud networking certification then this book is for you. Prior experience in Cloud administration and networking would be necessary.

Amazon Virtual Private Cloud (Amazon VPC) enables you to launch AWS resources into a virtual network that you've defined. This virtual network closely resembles a traditional network that you'd operate in your own data center, with the benefits of using the scalable infrastructure of AWS.

AWS 2019 Amazon Web Services Beginners User Guide. The Ultimate Tutorial.With Amazon taking entertainment to every possible higher level, they have a subsidiary called Amazon Web Services (AWS) which does provide on-demand cloud computing platforms to individuals, companies and governments, on a measured pay-as-you-go basis. In general, these cloud computing services offer a set of primitive, abstract technical infrastructure and spread computing building blocks and tools. In this book, we aim to completely dissect Amazon Web Service to every angle so as to help you get a hang of it well enough. Our team has researched extensively and developed this book through the followings: What is AWS ? AWS have Web Developer Services Service for mobile developers Cognito - Device Farm Mobile Analytics SNS Services for code injection EC2 Container Service Elastic Beanstalk Corporate Services AppStream Download your copy of " AWS " by scrolling up and clicking "Buy Now With 1-Click" button.

Amazon CloudWatch monitors your Amazon Web Services (AWS) resources and the applications you run on AWS in real time. You can use CloudWatch to collect and track metrics, which are variables you can measure for your resources and applications. CloudWatch allows send notifications or automatically make changes to the resources you are monitoring based on rules that you define. For example, you can monitor the CPU usage and disk reads and writes of your Amazon EC2 instances and then use this data to determine whether you should launch additional instances to handle increased load. You can also use this data to stop under-used instances to save money. In addition to monitoring the built-in metrics that come with AWS, you can monitor your own custom metrics. With CloudWatch, you gain system-wide visibility into resource utilization, application performance, and operational health.

Associate (SOA-C01) Exam

Ubuntu 21.04 Server

AWS All-in-one Security Guide

Administration and Reference

Craft Infrastructure-as-Code Solutions

Your one-stop solution to passing the AWS developer's 2019 (DVA-C01) certification, 2nd Edition

Infrastructure Automation with Terraform

Get to grips with the fundamentals of cloud security and prepare for the AWS Security Specialty exam with the help of this comprehensive certification guide Key FeaturesLearn the fundamentals of security with this fast-paced guideDevelop modern cloud security skills to build effective security solutionsAnswer practice questions and take mock tests to pass the exam with confidenceBook Description AWS Certified Security – Specialty is a certification exam to validate your expertise in advanced cloud security. With an ever-increasing demand for AWS security skills in the cloud market, this certification can help you advance in your career. This book helps you prepare for the exam and gain certification by guiding you through building complex security solutions. From understanding the AWS shared responsibility model and identify and access management to implementing access management best practices, you'll gradually build on your skills. The book will also delve into securing instances and the principles of securing VPC infrastructure. Covering security threats, vulnerabilities, and attacks such as the DDoS attack, you'll discover how to mitigate these at different layers. You'll then cover compliance and learn how to use AWS to audit and govern infrastructure, as well as to focus on monitoring your environment by implementing logging mechanisms and tracking data. Later, you'll explore how to implement data encryption as you get hands-on with securing a file environment. Finally, you'll discover security best practices that will assist you in making critical decisions relating to cost, security, and deployment complexity. By the end of this AWS security book, you'll have the skills to pass the exam and design secure AWS solutions. What you will learnUnderstand how to identify and mitigate security incidentsAssign appropriate Amazon Web Services (AWS) resources to underpin security requirementsWork with the AWS shared responsibility modelSecure your AWS public cloud in different layers of cloud computingDiscover how to implement authentication through federated and mobile accessMonitor and log tasks effectively using AWSWho this book is for If you are a system administrator or a security professional looking to get AWS security certification, this book is for you. Prior experience in securing cloud environments is necessary to get the most out of this AWS book.

Exam Name : AWS Amazon Certified Solutions Architect - Professional Exam Code : SAP-C01 Edition : Latest Version (100% valid and stable) Number of Questions : 708 Questions with Answer

Get prepared for the AWS Certified Security Specialty certification with this excellent resource By earning the AWS Certified Security Specialty certification, IT professionals can gain valuable recognition as cloud security experts. The AWS Certified Security Study Guide: Specialty (SCS-C01) Exam helps cloud security practitioners prepare for success on the certification exam. It's also an excellent resource for AWS security best practices and the implementation of security features for clients or employers. Architects and engineers with knowledge of cloud computing architectures will find significant value in this book, which offers guidance on primary security threats and defense principles. Amazon Web Services security controls and tools are explained through real-world scenarios. These examples demonstrate how professionals can design, build, and operate secure cloud environments that run modern applications. The study guide serves as a primary source for those who are ready to apply their skills and seek certification. It addresses how cybersecurity can be improved using the AWS cloud and its native security services. Readers will benefit from detailed coverage of AWS Certified Security Specialty Exam topics. Covers all AWS Certified Security Specialty exam topics Explains AWS cybersecurity techniques and incident response Covers logging and monitoring using the Amazon cloud Examines infrastructure security Describes access management and data protection With a single study resource, you can learn how to enhance security through the automation, troubleshooting, and development integration capabilities available with cloud computing. You will also discover services and tools to develop security plans that work in sync with cloud adoption.

Get more from your data with Amazon Athena's ease-of-use, interactive performance, and pay-per-query pricing Key FeaturesExplore the promising capabilities of Amazon Athena and Athena's Query Federation SDKUse Athena to prepare data for common machine learning activitiesCover best practices for setting up connectivity between your application and Athena and security considerationsBook Description Amazon Athena is an interactive query service that makes it easy to analyze data in Amazon S3 using SQL, without needing to manage any infrastructure. This book begins with an overview of the serverless analytics experience offered by Athena and teaches you how to build and tune an S3 Data Lake using Athena, including how to structure your tables using open-source file formats like Parquet. You'll learn how to build, secure, and connect to a data lake with Athena and Lake Formation. Next, you'll cover key tasks such as ad hoc data analysis, working with ETL pipelines, monitoring and alerting KPI breaches using CloudWatch Metrics, running customizable connectors with AWS Lambda, and more. Moving on, you'll work through end-to-end integrations, troubleshooting and tuning common Athena issues, and the most common reasons for query failure. You will also review tips to help your data pursuit of operational excellence. Finally, you'll explore advanced concepts such as Athena Query Federation and Athena ML to enhance powerful insights without needing to touch a single server. By the end of this book,

you'll be able to build and use a data lake with Amazon Athena to add data-driven features to your app and perform the kind of ad hoc data analysis that often precedes many of today's ML modeling exercises. What you will learnSecure and manage the cost of querying your dataUse Athena ML and User Defined Functions (UDFs) to add advanced features to your reportsWrite your own Athena Connector to integrate with a custom data sourceDiscover your datasets on S3 using AWS Glue CrawlersIntegrate Amazon Athena into your applicationsSetup Identity and Access Management (IAM) policies to limit access to tables and databases in Glue Data CatalogAdd an Amazon SageMaker Notebook to your Athena queriesGet to grips with using Athena for ETL pipelinesWho this book is for Business intelligence (BI) analysts, application developers, and system administrators who are looking to generate insights from an ever-growing sea of data while controlling costs and limiting operational burden, will find this book helpful. Basic SQL knowledge is expected to make the most out of this book.

Automate and Orchestrate your Infrastructure with Terraform Across AWS and Microsoft Azure (English Edition)

Amazon Virtual Private Cloud User Guide

Cloud Computing for Machine Learning and Cognitive Applications

Build your cloud security knowledge and expertise as an AWS Certified Security Specialist (SCS-C01)

The Definitive Guide to AWS Infrastructure Automation

Latest Amazon AWS DevOps Engineer - Professional DOP-C01 Exam Questions and Answers

Aws

Amazon S3 provides virtually limitless storage on the internet. This guide explains how you can manage buckets, objects, and folders in Amazon S3 by using the AWS Management Console, a browser-based graphical user interface for interacting with AWS services.

Leverage this step-by-step guide to build a highly secure, fault-tolerant, and scalable Cloud environment Key Features Learn how to leverage various Amazon Web Services (AWS) components and services to build a secure, reliable, and robust environment to host your applications on. Delve into core AWS service offerings with hands-on tutorials, real-world use case scenarios, and best practices. A self-paced, systematic, and step-by-step guide to learning and implementing AWS in your own environment. Book Description Many businesses are moving from traditional data centers to AWS because of its reliability, vast service offerings, lower costs, and high rate of innovation. AWS can be used to accomplish a variety of both simple and tedious tasks. Whether you are a seasoned system admin or a rookie, this book will help you to learn all the skills you need to work with the AWS cloud. This book guides you through some of the most popular AWS services, such as EC2, Elastic Beanstalk, EFS, CloudTrail, Redshift, EMR, Data Pipeline, and IoT using a simple, real-world, application-hosting example. This book will also enhance your application delivery skills with the latest AWS services, such as CodeCommit, CodeDeploy, and CodePipeline, to provide continuous delivery and deployment, while also securing and monitoring your environment's workflow. Each chapter is designed to provide you with maximal information about each AWS service, coupled with easy to follow, hands-on steps, best practices, tips, and recommendations. By the end of the book, you will be able to create a highly secure, fault-tolerant, and scalable environment for your applications to run on. What you will learn Take an in-depth look at what's new with AWS, along with how to effectively manage and automate your EC2 infrastructure with AWS Systems Manager Deploy and scale your applications with ease using AWS Elastic Beanstalk and Amazon Elastic File System Secure and govern your environments using AWS CloudTrail, AWS Config, and AWS Shield Learn the DevOps way using a combination of AWS CodeCommit, AWS CodeDeploy, and AWS CodePipeline Run big data analytics and workloads using Amazon EMR and Amazon Redshift Learn to back up and safeguard your data using AWS Data Pipeline Get started with the Internet of Things using AWS IoT and AWS Greengrass Who this book is for This book is for those who want to learn and leverage the rich plethora of services provided by AWS. Although no prior experience with AWS is required, it is recommended that you have some hands-on experience of Linux, Web Services, and basic networking.

Pass the AWS Certified Database - Specialty Certification exam with the help of practice tests Key Features • Understand different AWS database technologies and when to use them • Master the management and administration of AWS databases using both the console and command line • Complete, up-to-date coverage of DBS-C01 exam objectives to pass it on the first attempt Book Description The AWS Certified Database - Specialty certification is one of the most challenging AWS certifications. It validates your comprehensive understanding of databases, including the concepts of design, migration, deployment, access, maintenance, automation, monitoring, security, and troubleshooting. With this guide, you'll understand how to use various AWS databases, such as Aurora Serverless and Global Database, and even services such as Redshift and Neptune. You'll start with an introduction to the AWS databases, and then delve into workload-specific database design. As you advance through the chapters, you'll learn about migrating and deploying the databases, along with database security techniques such as encryption, auditing, and access controls. This AWS book will also cover monitoring, troubleshooting, and disaster recovery techniques, before testing all the knowledge you've gained throughout the book with the help of mock tests. By the end of this book, you'll have covered everything you need to pass the DBS-C01 AWS certification exam and have a handy, on-the-job desk reference guide. What you will learn • Become familiar with the AWS Certified Database - Specialty exam format • Explore AWS database services and key terminology • Work with the AWS console and command line used for managing the databases • Test and refine performance metrics to make key decisions and reduce cost • Understand how to handle security risks and make decisions about database infrastructure and deployment • Enhance your understanding of the topics you've learned using real-world hands-on examples • Identify and resolve common RDS, Aurora, and DynamoDB issues Who this book is for This AWS certification book is for database administrators and IT professionals who perform complex big data analysis as well as students looking to get AWS Database Specialty certified. A solid understanding of cloud computing, specifically AWS services, is a must. Knowledge of basic administration tasks such as logging in and running SQL queries will be helpful.

Virtual, hands-on learning labs allow you to apply your technical skills in realistic environments. So Sybex has bundled AWS labs from XtremeLabs with our popular AWS Certified SysOps Administrator Study Guide to give you the same experience working in these labs as you prepare for the Certified SysOps Administrator Exam that you would face in a real-life application. These labs in addition to the book are a proven way to prepare for the certification and for work as an AWS SysOps Administrator. This comprehensive book guides readers through the role of a SysOps Administrator and helps prepare candidates to take the updated AWS Certified SysOps Administrator—Associate (SOA-C01) Exam. The AWS Certified SysOps Administrator—Associate certification validates technical expertise in deployment, management, and operations on the AWS platform. This Study Guide not only prepares readers for the AWS exam, but it makes sure the reader is ready to perform the duties expected of SysOps Administrators. The book focuses on the skill-set required of AWS professionals by filling in the gap between test preparation and real-world preparedness. Concepts covered include: Monitoring and Reporting High Availability Deployment and Provisioning Storage and Data Management Security and Compliance Networking Automation and Optimization And More Readers will also have one year of free access to the Sybex interactive online learning environment and test bank, providing a suite of robust study tools including an assessment test, chapter tests, bonus practice exam, electronic flashcards, and a glossary of key terms. And included with this version of the book, XtremeLabs virtual labs that run from your browser. The registration code is included with the book and gives you 6 months unlimited access to XtremeLabs AWS Certified SysOps Administrator Labs with 6 unique lab modules based on the book.

The ultimate exam guide to AWS Solutions Architect certification

Query structured, unstructured, or semi-structured data in seconds without setting up any infrastructure

Specialty (SCS-C01) Exam

AWS Administration - The Definitive Guide

AWS Certified Cloud Practitioner Study Guide with Online Labs

Serverless Analytics with Amazon Athena

Use Terraform and Jenkins to implement Infrastructure as Code and Pipeline as Code across multi-cloud environments KEY FEATURES • Step-by-step guidelines for managing infrastructure across multiple cloud platforms. • Expert-led coverage on managing Pipeline as Code using Jenkins. • Includes images demonstrating how to manage AWS and Azure resources using Terraform Modules. DESCRIPTION This book explains how to quickly learn and utilize Terraform to incorporate Infrastructure as Code into a continuous integration and continuous delivery pipeline. The book gives you the step-by-step instructions with screenshots and diagrams to make the learning more accessible and fun. This book discusses the necessity of Infrastructure as a Code (IaC) and the many tools available for implementing IaC. You will gain the knowledge of resource creation, IAM roles, EC2 instances, elastic load balancers, and building terraform scripts, among other learnings. Next, you will explore projects and use-cases for implementing DevOps concepts like Continuous Integration, Infrastructure as Code, and Continuous Delivery. Finally, you learn about the Terraform Modules and how to establish networks and Kubernetes clusters on various cloud providers. Installing and configuring Jenkins and SonarQube in Cloud Environments will also be discussed. As a result of reading this book, you will be able to apply Infrastructure as Code and Pipeline as Code principles to major cloud providers such as AWS and Azure. WHAT YOU WILL LEARN • Create, manage, and maintain AWS and Microsoft Azure infrastructure. • Using Packer, create AMIs and EC2 instances. • Utilize Terraform Modules to create VPC and Kubernetes clusters. • Put the Pipeline and Infrastructure as Code principles into practice. • Utilize Jenkins to automate the application lifecycle management process. WHO THIS BOOK IS FOR This book will primarily help DevOps, Cloud Operations, Agile teams, Cloud Native Developers, and Networking Professionals. Being familiar with the fundamentals of Cloud Computing and DevOps will be beneficial.

Exam Name : Amazon AWS Certified Developer Associate Exam Code : DVA-C01 Edition : Latest Verison (100% valid and stable) Number of Questions : 402 Questions with Answer

This book is designed as an Ubuntu 21.04 Server administration and reference source, covering the Ubuntu servers and their support applications. Server tools are covered as well as the underlying configuration files and system implementations. The emphasis is on what administrators will need to know to perform key server support and management tasks. Coverage of the systemd service management system is integrated into the book. Topics covered include software management, systemd service management, AppArmor security, OpenSSH, the Chrony time server, and Ubuntu cloud services. Key servers are examined, including Web, FTP, CUPS printing, NFS, and Samba Windows shares. Network support servers and applications covered include the Squid proxy server, the Domain Name System (BIND) server, DBCP, distributed network file systems, IPtables firewalls, and cloud computing. 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.