Amazon Ec2 Api Documentation

Recognizing the artifice ways to acquire this ebook **Amazon Ec2 Api Documentation** is additionally useful. You have remained in right site to begin getting this info. get the Amazon Ec2 Api Documentation partner that we give here and check out the link.

You could buy guide Amazon Ec2 Api Documentation or acquire it as soon as feasible. You could quickly download this Amazon Ec2 Api Documentation after getting deal. So, past you require the books swiftly, you can straight acquire it. Its correspondingly completely simple and for that reason fats, isnt it? You have to favor to in this announce

Ubuntu 21.04 Server
Packt Publishing Ltd A complete guide to building and deploying web apps with Heroku A cloud application

platform, Heroku is currently the only approved platform for creating apps within Facebook, and its number of users is growing at rapid pace. However, there are very few books on the market that offer professional-level coverage of this platform, until now. The author duo begins with an introduction

to the Heroku platform and its associated core concepts and then goes on to explain how writing for this platform differs from that of traditional development systems. Example applications, additional resources, and advice for your next steps round out this resource, making it a thorough, indispensable guide. Features information not found anywhere else, as both authors work for Heroku Explains the inner workings of Heroku with special emphasis placed on building web and mobile applications Introduces GIT-based development workflow and the process model within the Heroku platform Details coding, building, deploying, and scaling effectively using the Heroku tool base Providing you with fully functional code and downloadable code examples, Professional Heroku Programming is your complete guide to mastering this platform.

Network Computing and Information Security "O'Reilly Media, Inc." Explore use cases and best practices to seamlessly migrate and scale legacy enterprise-grade applications running on on-premises vSphere environments to VMware Cloud SDDCs running on AWS infrastructure Key Features Understand data center extension, migration, disaster recovery, and app modernization through a variety of use cases Become an expert at configuring, automating, and troubleshooting VMC on AWS SDDC Implement design considerations, best

practices, and onboarding preflight checklist for optimal performance on VMC on AWS Purchase of the print or Kindle book includes a free PDF eBook Book DescriptionIf you're looking to effortlessly transition from on-premises VMware vSphere environments or capital expenditure (CAPEX) to an agile operational expenditure (OPEX) model, trust the VMware Cloud (VMC) on AWS platform for swift re-platforming of legacy applications into cloud-native framework. This comprehensive guide addresses hybrid cloud challenges, offering detailed solutions within the VMware Cloud on AWS ecosystem. Covering the foundational architecture, software-defined data center (SDDC) components of VMware Cloud on AWS, network and security configurations, and AWS service integrations, this book lays the foundation for you to advance to vCenter management, vSAN storage policies, NSX architecture, compute policies, SDDC console management, and the EDRS mechanism for cluster scaling. You'll also explore integrated services such as VMware HCX for migration, VMware Aria suite, Tanzu Managed Kubernetes, and disaster recovery. Further, the book takes you through VMware Cloud APIs and guides you in managing workloads with VMware Cloud on AWS Outposts. With the help of practical insights, configuration tips, and best practices, you'll unlock the full potential of VMC on AWS. By the end of this book, you'll be equipped to successfully architect and manage VMware Cloud on AWS SDDCs, handling day-

to-day operations expertly.What you will learn Examine the foundational architecture components of VMware Cloud on AWS, including vSphere, vSAN, and NSX Explore the various integrated services available within VMware Cloud on AWS Delve into VMware Cloud on AWS SDDC, vCenter, and vSAN optimizations Build applications and apply best practices within the VMware Cloud on AWS to manage day-to-day operations Streamline infrastructure management for VMware Cloud on AWS with Infrastructure as Code (IaC) Extend cloud capabilities to on-premises environments using VMware Cloud on AWS Outposts Who this book is for The book is intended for cloud and solutions architects, DevOps engineers, site reliability engineers (SREs), system and network admins, and cloud engineers with experience in on-premises VMware or AWS administration, facilitating the seamless integration of VMware cloud technologies. Prior understanding of cloud computing, virtualization principles, VMware vSphere administration, vSAN, and NSX along with AWS cloud basics will be helpful.

Hands-On AWS Penetration Testing with Kali Linux John Wiley & Sons
The latest edition of the official study guide for the AWS Advanced Networking certification specialty exam The newly revised second edition of the AWS Certified Advanced Networking Study Guide: Specialty (ANS-C01) Exam delivers an expert review of Amazon Web Services Networking fundamentals as they relate to the ANS-C01 exam. You'll

find detailed explanations of critical exam topics combined with real-world scenarios that will help you build the robust knowledge base you need for the test—and to succeed in the field as an AWS Certified Networking specialist. Learn about the design, implementation and deployment of AWS cloud-based Networking solutions, core services implementation, AWS service architecture design and maintenance (including architectural best practices), monitoring, Hybrid networks, security, compliance, governance, and network automation. The book also offers one year of free access to Sybex's online interactive learning environment and expert study tools, featuring flashcards, a glossary of useful terms, chapter tests, practice exams, and a test bank to help you keep track of your progress and measure your exam readiness. The coveted AWS Advanced Networking credential proves your skills with Amazon Web Services and hybrid IT network architectures at scale. It assesses your ability to apply deep technical knowledge to the design and implementation of AWS Networking services. This book provides you with comprehensive review and practice opportunities so you can succeed on the challenging ANS-C01 exam the first time around. It also offers: Coverage of all relevant exam domains and competencies Explanations of how to apply the AWS skills discussed within to the real world in the context of an AWS Certified Networking-related career Complimentary access to the practical Sybex

online learning environment, complete with practice exams, flashcards, a glossary, and test bank AWS certification proves to potential employers that you have the knowledge and practical skills you need to deliver forward-looking, resilient, cloud-based solutions. The AWS Certified Advanced Networking Study Guide: Specialty (ANS-C01) Exam, 2nd Edition, is your ticket to the next big step in your career.

Pro PowerShell for Amazon Web Services

"O'Reilly Media, Inc." Amazon API Gateway is an AWS service that enables developers to create, publish, maintain, monitor, and secure APIs at any scale. You can create APIs that access AWS or other web services, as well as data stored in the AWS Cloud. Topics Gateway to AWS Cloud and Beyond Developer Experiences Benefits of API Gateway Amazon API Gateway Concepts

Ansible: Up and Running Packt Publishing Ltd Cloud Computing is here to stay. As an economically viable way for businesses of all sizes to distribute computing, this technology shows tremendous promise. But the intense hype surrounding the Cloud is making it next to impossible for responsible IT managers and businessdecision-makers to get a clear understanding of what the Cloud really means, what it might do for them, when it is practical, and what their future with the Cloud looks like. The Cloud at Your Service helps cut through all this fog to help enterprises make these critical decisions based on facts and the authors' informed unbiased recommendations and

predictions. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

Programming Amazon Web Services "O'Reilly Media, Inc." A computação de nuvem oferece inúmeros benefícios, incluindo elasticidade, pagamento pelo uso efetivo dos recursos, infraestrutura de autosserviço e automação baseada em APIs. Ela permite que as organizações tenham DATACENTERS automatizados e paguem somente por aquilo que utilizam. A plataforma utilizada para o desenho da arquitetura é a Amazon Web Services (AWS), que é abordada em detalhes e de forma estruturada. A própria Amazon utiliza a arquitetura AWS para operar um dos maiores varejos online do mundo. Empresas como Shell, Samsung, NASA, The New York Times, Grupo Pão de Açúcar, Gol Linhas Aéreas e SulAmérica Seguros já desfrutam dos benefícios da computação de nuvem e estabeleceram novas arquiteturas orientadas pela demanda. O livro traz uma abordagem sobre a construção de um DATACENTER utilizando a Arquitetura De Nuvem e a estratégia adotada foi estruturá-lo em três grandes partes; Aspectos Básicos, com conceitos, infraestrutura, precificação, identidade e acesso Serviços de Infraestrutura, sobre os serviços de computação, armazenamento, rede, banco de dados e gerenciamento; e Aspectos Avançados, cobrindo desenho da arquitetura, governança, segurança e continuidade.
Arquitetura de Nuvem (AWS) Addison-Wesley Professional 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. *Amazon Cloud Computing With C#/.Net* John Wiley & Sons 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

Amazon Web Services For Dummies Lulu.com
Among the many configuration management tools available, Ansible has some distinct advantages—it's minimal in nature, you don't need to install anything on your nodes, and it has an easy learning curve. This practical guide shows you how to be productive with this tool quickly, whether you're a developer deploying code to production or a system administrator looking for a better automation solution. Author Lorin Hochstein shows you how to write playbooks (Ansible's configuration management scripts), manage remote servers, and explore the tool's real power: built-in declarative modules. You'll discover that Ansible has the functionality you need and the simplicity you desire. Understand how Ansible differs from other configuration management systems Use the

YAML file format to write your own playbooks Learn Ansible's support for variables and facts Work with a complete example to deploy a non-trivial application Use roles to simplify and reuse playbooks Make playbooks run faster with ssh multiplexing, pipelining, and parallelism Deploy applications to Amazon EC2 and other cloud platforms Use Ansible to create Docker images and deploy Docker containers

Programming Amazon EC2 Lulu.com

Develop proficiency in AWS technologies and validate your skills by becoming an AWS Certified Cloud Practitioner Key FeaturesDevelop the skills to design highly available and fault-tolerant solutions in the cloudLearn how to adopt best-practice security measures in your cloud applicationsAchieve credibility through industry-recognized AWS Cloud Practitioner certificationBook Description Amazon Web Services is the largest cloud computing service provider in the world. Its foundational certification, AWS Certified Cloud Practitioner (CLF-C01), is the first step to fast-tracking your career in cloud computing. This certification will add value even to those in non-IT roles, including professionals from sales, legal, and finance who may be working with cloud computing or AWS projects. If you are a seasoned IT professional, this certification will make it easier for you to prepare for more technical certifications to progress up the AWS ladder and improve your career prospects. The book is divided into four parts. The first part focuses on the fundamentals of cloud computing and the AWS

global infrastructure. The second part examines key AWS technology services, including compute, network, storage, and database services. The third part covers AWS security, the shared responsibility model, and several security tools. In the final part, you'll study the fundamentals of cloud economics and AWS pricing models and billing practices. Complete with exercises that highlight best practices for designing solutions, detailed use cases for each of the AWS services, quizzes, and two complete practice tests, this CLF-C01 exam study guide will help you gain the knowledge and hands-on experience necessary to ace the AWS Certified Cloud Practitioner exam. What you will learnCreate an AWS account to access AWS cloud services in a secure and isolated environmentUnderstand identity and access management (IAM), encryption, and multifactor authentication (MFA) protectionConfigure multifactor authentication for your IAM accountsConfigure AWS services such as EC2, ECS, Lambda, VPCs, and Route53Explore various storage and database services such as S3, EBS, and Amazon RDSStudy the fundamentals of modern application design to shift from a monolithic to microservices architectureDesign highly available solutions with decoupling ingrained in your design architectureWho this book is for If you're looking to advance your career and gain expertise in cloud computing, with particular

focus on the AWS platform, this book is for you. This guide will help you ace the AWS Certified Cloud Practitioner Certification exam, enabling you to embark on a rewarding career in cloud computing. No previous IT experience is essential to get started with this book, since it covers core IT fundamentals from the ground up.

Programming Hive CRC Press

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 AWSDevelop 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 SWS to coordinate work across distributed application componentsWho 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. **Amazon EC2 Auto Scaling User Guide** Brasport 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.

The Cloud at Your Service Springer

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.

Building Distributed Applications in Gin IOS Press
AWS Certification Guide - AWS Certified Developer – Associate Master the Art of

AWS Development Dive into the dynamic world of AWS with this essential guide tailored for aspiring AWS Certified Developers – Associate. Whether you're a novice or an experienced developer, this book will provide you with a thorough understanding of AWS services and best practices in cloud-based application development. Inside, You Will Find: Comprehensive Coverage: Detailed exploration of AWS core services, SDKs, and APIs, essential for developing robust cloud applications. Hands-On Learning: Practical examples and real-life scenarios that guide you through creating, deploying, and optimizing applications on AWS. Exam Preparation Toolkit: In-depth guidance on the exam format, key topics, and numerous

practice questions to ensure you're fully prepared for the certification test. Latest Trends and Techniques: Insights into the newest AWS features and how to leverage them for cutting-edge application development. Expertly Crafted by a Seasoned Developer Authored by an experienced AWS developer, this guide combines practical knowledge with insightful tips to help you navigate the AWS development landscape with ease. Your Pathway to AWS Developer Certification This book is not just a study guide; it's a comprehensive resource for understanding AWS development practices, helping you build a solid foundation in cloud application development and preparing you for a successful certification journey. Elevate Your Developer Skills Step up your development game. This guide is designed to equip you with the skills and knowledge needed to excel in the AWS ecosystem and become a certified AWS Developer – Associate. Start Your AWS Development Journey Today Embrace your passion for cloud development. This guide is your first step towards achieving AWS certification and advancing your career in the exciting field of cloud computing. © 2023 Cybellium Ltd. All rights reserved. www.cybellium.com

Hands-On Docker for Microservices with Python Surfing Turtle Press In depth informative guide to implement and use AWS security services effectively.

About This Book Learn to secure your network, infrastructure, data and applications in AWS cloud Log, monitor and audit your AWS resources for continuous security and continuous compliance in AWS cloud Use AWS managed security services to automate security. Focus on increasing your business rather than being diverged onto security risks and issues with AWS security. Delve deep into various aspects such as the security model, compliance, access management and much more to build and maintain a secure environment. Who This Book Is For This book is for all IT professionals, system administrators and security analysts, solution architects and Chief Information Security Officers who are responsible for securing workloads in AWS for their organizations. It is helpful for all Solutions Architects who want to design and implement secure architecture on AWS by the following security by design principle. This book is helpful for personnel in Auditors and Project Management role to understand how they can audit AWS workloads and how they can manage security in AWS respectively. If you are learning AWS or championing AWS adoption in your organization, you should read this book to build security in all your workloads. You will benefit from knowing about security footprint of all major AWS services for multiple domains, use cases, and scenarios. What You Will Learn Learn about AWS Identity Management and Access control Gain knowledge to create and secure your private network in AWS Understand and secure your infrastructure in AWS Understand monitoring, logging and auditing in AWS Ensure Data Security in AWS

Learn to secure your applications in AWS Explore AWS Security best practices In Detail Mastering AWS Security starts with a deep dive into the fundamentals of the shared security responsibility model. This book tells you how you can enable continuous security, continuous auditing, and continuous compliance by automating your security in AWS with the tools, services, and features it provides. Moving on, you will learn about access control in AWS for all resources. You will also learn about the security of your network, servers, data and applications in the AWS cloud using native AWS security services. By the end of this book, you will understand the complete AWS Security landscape, covering all aspects of end - to -end software and hardware security along with logging, auditing, and compliance of your entire IT environment in the AWS cloud. Lastly, the book will wrap up with AWS best practices for security. Style and approach The book will take a practical approach delving into different aspects of AWS security to help you become a master of it. It will focus on using native AWS security features and managed AWS services to help you achieve continuous security and continuous compliance.

AWS certification guide - AWS Certified DevOps Engineer - Professional
Xlibris Corporation
An effective guide to learning how to build a large-scale distributed application using the wide range of functionalities in Gin Key FeaturesExplore the commonly used functionalities of Gin to build web applicationsBecome well-versed with rendering HTML templates with the

Gin engineSolve commonly occurring challenges such as scaling, caching, and deploymentBook Description Gin is a high-performance HTTP web framework used to build web applications and microservices in Go. This book is designed to teach you the ins and outs of the Gin framework with the help of practical examples. You'll start by exploring the basics of the Gin framework, before progressing to build a real-world RESTful API. Along the way, you'll learn how to write custom middleware and understand the routing mechanism, as well as how to bind user data and validate incoming HTTP requests. The book also demonstrates how to store and retrieve data at scale with a NoSQL database such as MongoDB, and how to implement a caching layer with Redis. Next, you'll understand how to secure and test your API endpoints with authentication protocols such as OAuth 2 and JWT. Later chapters will guide you through rendering HTML templates on the server-side and building a frontend application with the React web framework to consume API responses. Finally, you'll deploy your application on Amazon Web Services (AWS) and learn how to automate the deployment process with a continuous integration/continuous delivery (CI/CD) pipeline. By the end of this Gin book, you will be able to design, build, and deploy a production-ready distributed application from scratch using the Gin framework. What you will learnBuild a

production-ready REST API with the Gin frameworkScale web applications with event-driven architectureUse NoSQL databases for data persistenceSet up authentication middleware with JWT and Auth0Deploy a Gin-based RESTful API on AWS with Docker and KubernetesImplement a CI/CD workflow for Gin web appsWho this book is for This book is for Go developers who are comfortable with the Go language and seeking to learn REST API design and development with the Gin framework. Beginner-level knowledge of the Go programming language is required to make the most of this book.

AWS Certified Cloud Practitioner Exam Guide Cybellium Ltd

Amazon Cloud Computing With Java 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 softwares 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 excercises 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 Java covers - EC2 - CloudWatch -

Elastic LoadBalancing - AutoScaling - S3 - Virtual Private Cloud - SimpleDB - RDS - CloudFront - SQS - Elastic MapReduce - Agile Continous Integration with AWS - Using Eclipse For AWS Development
AWS for Developers For Dummies Apress Identify tools and techniques to secure and perform a penetration test on an AWS infrastructure using Kali Linux Key FeaturesEfficiently perform penetration testing techniques on your public cloud instancesLearn not only to cover loopholes but also to automate security monitoring and alerting within your cloud-based deployment pipelinesA step-by-step guide that will help you leverage the most widely used security platform to secure your AWS Cloud environmentBook Description The cloud is taking over the IT industry. Any organization housing a large amount of data or a large infrastructure has started moving cloud-ward — and AWS rules the roost when it comes to cloud service providers, with its closest competitor having less than half of its market share. This highlights the importance of security on the cloud, especially on AWS. While a lot has been said (and written) about how cloud environments can be secured, performing external security assessments in the form of pentests on AWS is still seen as a dark art. This book aims to help pentesters as well as seasoned system administrators with a hands-on approach to pentesting the various cloud services provided by Amazon through AWS using Kali Linux. To make things easier for novice pentesters, the book focuses on building a practice lab and refining penetration testing with Kali Linux on the cloud. This is helpful not only

for beginners but also for pentesters who want to set up a pentesting environment in their private cloud, using Kali Linux to perform a white-box assessment of their own cloud resources. Besides this, there is a lot of in-depth coverage of the large variety of AWS services that are often overlooked during a pentest — from serverless infrastructure to automated deployment pipelines. By the end of this book, you will be able to identify possible vulnerable areas efficiently and secure your AWS cloud environment. What you will learnFamiliarize yourself with and pentest the most common external-facing AWS servicesAudit your own infrastructure and identify flaws, weaknesses, and loopholesDemonstrate the process of lateral and vertical movement through a partially compromised AWS accountMaintain stealth and persistence within a compromised AWS accountMaster a hands-on approach to pentestingDiscover a number of automated tools to ease the process of continuously assessing and improving the security stance of an AWS infrastructureWho this book is for If you are a security analyst or a penetration tester and are interested in exploiting Cloud environments to reveal vulnerable areas and secure them, then this book is for you. A basic understanding of penetration testing, cloud computing, and its security concepts is mandatory.

AWS certification guide - AWS Certified Developer - Associate Packt Publishing Ltd
Master Amazon EC2 with this comprehensive guide to unleashing the full potential of cloud computing, optimizing performance, and revolutionizing your business processes Key Features Gain

an in-depth understanding of EC2 core components, connectivity, networking, and security best practices Build resilient applications with load balancing, autoscaling and diverse storage options Learn advanced concepts and use cases for serverless, containers, HPC, and hybrid/multi cloud architecture Purchase of the print or Kindle book includes a free PDF eBook Book DescriptionThe vast and complex landscape of EC2 often poses significant challenges, even for experienced users. EC2's ecosystem and functionalities can be daunting to understand and apply, creating the need for a thorough and accessible guide. This book fulfills that role, acting as a guide to demystifying the maze of Amazon EC2, from its fundamentals to advanced concepts. The book begins with a journey into understanding EC2 core components, creating and managing Amazon Machine Images (AMIs), selecting the right instance type and size, establishing a solid foundation with networking and connectivity, and implementing security best practices. The second part helps you delve into the intricacies of building resilient apps on EC2, from load balancing and auto scaling to understanding storage options and optimizing performance. The book also familiarizes you with monitoring, logging, and auditing using Amazon CloudWatch and CloudTrail. The final part elevates your understanding of advanced EC2 concepts such as containers, serverless, and hybrid/multi-cloud architectures. Additionally, you'll learn how to optimize EC2 for high performance computing, and explore big data and disaster recovery strategies. By the end of this

book, you'll be equipped with the knowledge and confidence you need to harness the full potential of Amazon EC2.What you will learn Discover how to create, manage, and select the right EC2 AMIs Explore load balancing and auto scaling with Elastic Load Balancing (ELB) and Auto Scaling Groups (ASGs) Study EC2 storage options and performance optimization Master monitoring and maintenance with Amazon Web Services (AWS) tools Understand containerization, serverless computing, and EC2 automation Get up to speed with migration, modernization, and compliance in EC2 Who this book is for This Amazon book is for IT professionals, DevOps engineers, cloud architects and developers looking to delve into Amazon EC2 and cloud computing. No prior AWS experience is required as the book takes you through the fundamentals, gradually advancing toward more complex topics.

Professional Heroku Programming Packt Publishing Ltd
The Complete Guide to Building Highly Scalable, Services-Based Rails Applications Ruby on Rails deployments are growing, and Rails is increasingly being adopted in larger environments. Today, Rails developers and architects need better ways to interface with legacy systems, move into the cloud, and scale to handle higher volumes and greater complexity. In Service-Oriented Design with Ruby and Rails, Paul Dix introduces a powerful, services-based design approach geared toward overcoming all these challenges. Using Dix's techniques, readers can leverage the full benefits of both Ruby and Rails, while overcoming the difficulties of

working with larger codebases and teams. Dix demonstrates how to integrate multiple components within an enterprise application stack; create services that can easily grow and connect; and design systems that are easier to maintain and upgrade. Key concepts are explained with detailed Ruby code that was built using open source libraries such as ActiveRecord, Sinatra, Nokogiri, and Typhoeus. The book concludes with coverage of security, scaling, messaging, and interfacing with third-party services. Service-Oriented Design with Ruby and Rails will help you Build highly scalable, Ruby-based service architectures that operate smoothly in the cloud or with legacy systems Scale Rails systems to handle more requests, larger development teams, and more complex code bases Master new best practices for designing and creating services in Ruby Use Ruby to glue together services written in any language Use Ruby libraries to build and consume RESTful web services Use Ruby JSON parsers to quickly represent resources from HTTP services Write lightweight, well-designed API wrappers around internal or external services Discover powerful non-Rails frameworks that simplify Ruby service implementation Implement standards-based enterprise messaging with Advanced Message Queuing Protocol (AMQP) Optimize performance with load balancing and caching Provide for security and authentication