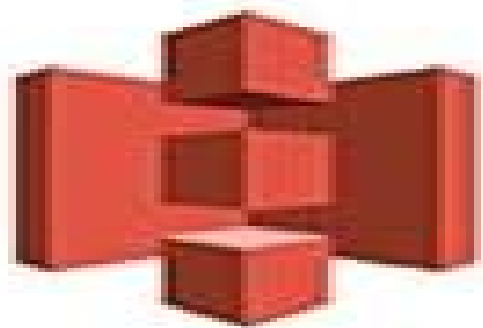




Amazon Simple Storage Service (S3)

Getting Started Guide



Amazon S3 Getting Started Guide

Parul Dubey,Rohit Raja



Amazon S3 Getting Started Guide:

AWS Lambda Quick Start Guide Markus Klems, 2018-06-29 Discover techniques and tools for building serverless applications with AWS Lambda Key Features Learn to write run and deploy Lambda functions in the AWS cloud Make the most of AWS Lambda functions to build scalable and cost efficient systems A practical guide to developing serverless services and applications in Node.js Java Python and C Book Description AWS Lambda is a part of AWS that lets you run your code without provisioning or managing servers This enables you to deploy applications and backend services that operate with no upfront cost This book gets you up to speed on how to build scalable systems and deploy serverless applications with AWS Lambda The book starts with the fundamental concepts of AWS Lambda and then teaches you how to combine your applications with other AWS services such as Amazon API Gateway and DynamoDB This book will also give a quick walk through on how to use the Serverless Framework to build larger applications that can structure code or autogenerate boilerplate code that can be used to get started quickly for increased productivity Toward the end of the book you will learn how to write run and test Lambda functions using Node.js Java Python and C What you will learn Understand the fundamental concepts of AWS Lambda Get to grips with the Serverless Framework and how to create a serverless project Testing and debugging Lambda functions Create a stateful serverless backend with DynamoDB Program AWS Lambda with Java Python and C Program a lambda function with Node.js Who this book is for This book is primarily for IT architects and developers who want to build scalable systems and deploy serverless applications with AWS Lambda No prior knowledge of AWS is necessary

AWS Administration - The Definitive Guide Yohan Wadia, 2016-02-12 Learn to design build and manage your infrastructure on the most popular of all the Cloud platforms Amazon Web Services About This Book 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 Deep dive into the 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 Who This Book Is For This book is for those who want to learn and leverage 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 What You Will Learn A brief introduction to Cloud Computing and AWS accompanied by steps to sign up for your first AWS account Create and manage users groups and permissions using AWS Identity and Access Management services Get started with deploying and accessing EC2 instances working with EBS Volumes and Snapshots Customize and create your very own Amazon Machine Image Design and deploy your instances on a highly secured network isolated environment using Amazon VPC Effectively monitor your AWS environment using specialized alarms custom monitoring metrics and much more Explore the various benefits of Database as a Service offerings and leverage them using Amazon RDS and Amazon DynamoDB Take an in depth look at what's new with AWS including EC2 Container Service and Elastic File System In Detail AWS is at the

forefront of Cloud Computing today Many businesses are moving away from traditional datacenters and toward AWS because of its reliability vast service offerings lower costs and high rate of innovation Because of its versatility and flexible design AWS can be used to accomplish a variety of simple and complicated tasks such as hosting multitier websites running large scale parallel processing content delivery petabyte storage and archival and lots more Whether you are a seasoned sysadmin or a rookie this book will provide you with all the necessary skills to design deploy and manage your applications on the AWS cloud platform The book guides you through the core AWS services such as IAM EC2 VPC RDS and S3 using a simple real world application hosting example that you can relate to Each chapter is designed to provide you with the most information possible about a particular 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 Style and approach This in depth and insightful guide is filled with easy to follow examples real world use cases best practices and recommendations that will help you design and leverage AWS

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Web Services For Dummies Bernard Golden,2013-08-09 Create dynamic cloud based websites with Amazon Web Services and this friendly guide As the largest cloud computing platform in the world Amazon Web Services AWS provides one of the most popular web services options available This easy to understand guide is the perfect introduction to the Amazon Web Services platform and all it can do for you You ll learn about the Amazon Web Services tool set how different web services including S3 Amazon EC2 and Amazon Flexible Payments and Glacier work and how you can implement AWS in your organization Explains how to use Amazon Web Services to store objects take payments manage large quantities of data send e mails deploy push notifications and more from your website Details how AWS can reduce costs improve efficiency increase productivity and cut down on expensive hardware investments and administrative headaches in your organization Includes practical examples and helpful step by step lists to help you experiment with different AWS features and create a robust website that meets your needs Amazon Web Services For Dummies is exactly what you need to get your head in the cloud with Amazon Web Services

A Beginners Guide to Amazon Web Services Parul Dubey,Rohit Raja,2023-12-20 Amazon Web Services AWS provides on demand cloud computing platforms and application programming interfaces APIs to individuals companies and govern ments along with distributed computing processing capacity and software tools via AWS server farms This text presents a hands on approach for beginners to get started with Amazon Web Services AWS in a simple way Key Features It discusses topics such as Amazon Elastic Compute Cloud Elastic Load Balancing Auto Scaling Groups and Amazon Simple Storage Service It showcases Amazon Web Services identity access management resources and attribute based access control It covers serverless computing services Virtual Private Cloud Amazon Aurora and Amazon Comprehend It explains Amazon Web Services Free Tier Amazon Web Services Marketplace and Amazon Elastic Container Service It includes security in Amazon Web Services the shared responsibility model and high performance computing on Amazon Web Services The text is primarily written for graduate students professionals and academic researchers working in the fields of computer science engineering and information technology Parul Dubey is currently working as an Assistant professor in the Department of Artificial Intelligence at G H Raison College of Engineering Nagpur India She has filed for 15 Indian patents She is responsible for about 10 publications in conference proceedings Scopus and journals She has contributed book chapters in an edited book published by CRC Press and other reputed publishers She is also an AWS Certified Cloud Practitioner Rohit Raja is working as an associate professor and head in the Department of Information Technology at Guru Ghasidas Vishwavidyalaya Bilaspur India His research interests include facial recognition signal processing networking and data mining He has published 100 research papers in various international and national journals including publications by the IEEE Springer etc and proceedings of reputed international and national conferences again including publications by Springer and the IEEE

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Asif Abbasi, 2021-04-13

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ready data apps entirely in Python this book is for you If your scripts and models sit idle because non technical stakeholders can't use them this book shows you how to turn them into full applications fast with Taipy so your work delivers real business value It's also valuable for developers and engineers who want to streamline their data workflows and build UIs in pure Python

AWS Certified Data Engineer Associate Study Guide Sakti Mishra, Dylan Qu, Anusha Challa, 2025-08-25 There's no better time to become a data engineer And acing the AWS Certified Data Engineer Associate DEA C01 exam will help you tackle the demands of modern data engineering and secure your place in the technology driven future Authors Sakti Mishra Dylan Qu and Anusha Challa equip you with the knowledge and sought after skills necessary to effectively manage data and excel in your career Whether you're a data engineer data analyst or machine learning engineer you'll discover in depth guidance practical exercises sample questions and expert advice you need to leverage AWS services effectively and achieve certification By reading you'll learn how to Ingest transform and orchestrate data pipelines effectively Select the ideal data store design efficient data models and manage data lifecycles Analyze data rigorously and maintain high data quality standards Implement robust authentication authorization and data governance protocols Prepare thoroughly for the DEA C01 exam with targeted strategies and practices

AWS Cloud Engineer Guide Sizwe Molefe, 2024-09-27 DESCRIPTION Cloud computing provides a more efficient reliable secure and cost effective way to run applications Cloud computing offers customers access to rapidly growing amounts of data storage and computation resources while centralizing IT operations in the cloud provider's datacenter or in colocation data centers Understand AWS basics such as EC2 VPCs S3 and IAM while learning to design secure and scalable cloud architectures This book guides you through automating infrastructure with CloudFormation and exploring advanced topics like containers continuous integration and continuous delivery CI/CD pipelines and cloud migration You will also discover serverless computing with Lambda API Gateway and DynamoDB enabling you to build efficient modern applications With real world examples and best practices this resource helps you optimize your AWS environment for both performance and cost ensuring you can build and maintain robust cloud solutions By the end of this book you will be able to confidently design build and operate scalable and secure cloud solutions on AWS Gain the expertise to leverage the full potential of cloud computing and drive innovation in your organization KEY FEATURES Learn about AWS cloud in depth with real world examples and scenarios Expand your understanding of serverless and containerization compute technology on AWS Explore API's along with API Gateway and its different use cases WHAT YOU WILL LEARN How to get started with and launch EC2 instances Working with and simplifying VPC's security groups and network access control lists on AWS Learn how to secure your AWS environment through the use of IAM roles and policies Learn how to build scalable and fault tolerant database systems using AWS database services such as RDS and Aurora Learn how to set up a CI/CD pipeline on AWS WHO THIS BOOK IS FOR Whether you are a system administrator cloud architect solutions architect cloud engineer DevOps engineer security engineer or cloud professional this book provides valuable

insights and practical guidance to help you build and operate robust cloud solutions on AWS

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AWS certification guide - AWS Certified SysOps Administrator - Associate

Cybellium, AWS Certification Guide

AWS Certified SysOps Administrator Associate

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Embark on a comprehensive journey to mastering AWS system operations with this definitive guide

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From basic AWS services to advanced operational techniques this guide covers all aspects necessary for SysOps mastery

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Engage with practical examples and case studies that bring theory to life demonstrating how AWS is managed and optimized in a real world setting

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This guide is written by an experienced AWS SysOps Administrator combining practical field knowledge with educational expertise to provide you with an unparalleled learning experience

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This guide is your first step towards achieving certification and advancing your career in the thriving world of AWS

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Practical Amazon EC2, SQS, Kinesis, and S3

Sunil Gulabani, 2017-06-21

Provide solutions to all your Amazon EC2 SQS Kinesis and S3 problems including implementation using the AWS Management Console AWS CLI and AWS SDK Java

You'll find recipes on implementation and configuration of Amazon EC2 SQS Kinesis and S3 along with the code snippets and AWS CLI commands

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Learn how to raise an alarm on Amazon EC2 SQS Kinesis and S3 as part of a continuous monitoring system designed to increase performance and avoid side effects in your services

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Manage

Amazon EC2 SQS Kinesis and S3 using the AWS Management Console Use the AWS CLI Employ the AWS Java SDK Configure alarms on Amazon EC2 SQS Kinesis and S3 Who This Book Is For Software developers and architects system engineers and project managers *Distributed Computing with Python* Francesco Pierfederici,2016-04-12 Harness the power of multiple computers using Python through this fast paced informative guide About This Book You ll learn to write data processing programs in Python that are highly available reliable and fault tolerant Make use of Amazon Web Services along with Python to establish a powerful remote computation system Train Python to handle data intensive and resource hungry applications Who This Book Is For This book is for Python developers who have developed Python programs for data processing and now want to learn how to write fast efficient programs that perform CPU intensive data processing tasks What You Will Learn Get an introduction to parallel and distributed computing See synchronous and asynchronous programming Explore parallelism in Python Distributed application with Celery Python in the Cloud Python on an HPC cluster Test and debug distributed applications In Detail CPU intensive data processing tasks have become crucial considering the complexity of the various big data applications that are used today Reducing the CPU utilization per process is very important to improve the overall speed of applications This book will teach you how to perform parallel execution of computations by distributing them across multiple processors in a single machine thus improving the overall performance of a big data processing task We will cover synchronous and asynchronous models shared memory and file systems communication between various processes synchronization and more Style and Approach This example based step by step guide will show you how to make the best of your hardware configuration using Python for distributing applications

Programming Hive Edward Capriolo,Dean Wampler,Jason Rutherglen,2012-09-26 Need to move a relational database application to Hadoop This comprehensive guide introduces you to Apache Hive Hadoop s data warehouse infrastructure You ll quickly learn how to use Hive s SQL dialect HiveQL to summarize query and analyze large datasets stored in Hadoop s distributed filesystem This example driven guide shows you how to set up and configure Hive in your environment provides a detailed overview of Hadoop and MapReduce and demonstrates how Hive works within the Hadoop ecosystem You ll also find real world case studies that describe how companies have used Hive to solve unique problems involving petabytes of data Use Hive to create alter and drop databases tables views functions and indexes Customize data formats and storage options from files to external databases Load and extract data from tables and use queries grouping filtering joining and other conventional query methods Gain best practices for creating user defined functions UDFs Learn Hive patterns you should use and anti patterns you should avoid Integrate Hive with other data processing programs Use storage handlers for NoSQL databases and other datastores Learn the pros and cons of running Hive on Amazon s Elastic MapReduce **No-code Ai: Concepts And Applications In Machine Learning, Visualization, And Cloud Platforms** Minsoo Kang,Park Sung Yul,Myeong-ae Chung,Dong-hun Han,2024-07-19 This book is a beginner friendly guide to artificial intelligence AI ideal for

those with no technical background It introduces AI machine learning and deep learning basics focusing on no code methods for easy understanding The book also covers data science data mining and big data processing maintaining a no code approach throughout Practical applications are explored using no code platforms like Microsoft Azure Machine Learning and AWS SageMaker Readers are guided through step by step instructions and real data examples to apply learning algorithms without coding Additionally it includes the integration of business intelligence tools like Power BI and AWS QuickSight into machine learning projects This guide bridges the gap between AI theory and practice making it a valuable resource for beginners in the field

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