

## Introduction To Aws Amazon Web Services Beginner S Guide Book Learning The Basics Of Aws In An Easy And Fast Way

Create highly efficient design patterns for scalability, redundancy, and high availability in the AWS Cloud Key Features Build highly robust systems using the cloud infrastructure Make web applications resilient against scheduled and accidental downtime Explore and apply Amazon-provided services in unique ways to solve common design problems Book Description Whether you're just getting your feet wet in cloud infrastructure or already creating complex systems, this book will guide you through using the patterns to fit your system needs. Starting with patterns that cover basic processes such as source control and infrastructure-as-code, the book goes on to introduce cloud security practices. You'll then cover patterns of availability and scalability and get acquainted with the ephemeral nature of cloud environments. You'll also explore advanced DevOps patterns in operations and maintenance, before focusing on virtualization patterns such as containerization and serverless computing. In the final leg of your journey, this book will delve into data persistence and visualization patterns. You'll get to grips with architectures for processing static and dynamic data, as well as practices for managing streaming data. By the end of this book, you will be able to design applications that are tolerant of underlying hardware failures, resilient against an unexpected influx of data, and easy to manage and replicate. What you will learn Implement scaling policies on schedules, influxes in traffic, and deep health checks Make complete use of highly available and redundant storage Design content delivery networks to improve user experience Optimize databases through caching and sharding Apply patterns to solve common problems Implement repeatable processes for deploying systems Who this book is for If you're an architect, solution provider, or DevOps community member looking to implement repeatable patterns for deploying and maintaining services in the Amazon cloud infrastructure, this book is for you. You'll need prior experience of using AWS understand key concepts covered in the book, as it focuses on the patterns rather than the basics of using AWS.

Perform cloud-based machine learning and deep learning using Amazon Web Services such as SageMaker, Lex, Comprehend, Translate, and Polly Key Features Explore popular machine learning and deep learning services with their underlying algorithms Discover readily available artificial intelligence(AI) APIs on AWS like Vision and Language Services Design robust architectures to enable experimentation, extensibility, and maintainability of AI apps Book Description From data wrangling through to translating text, you can accomplish this and more with the artificial intelligence and machine learning services available on AWS. With this book, you'll work through hands-on exercises and learn to use these services to solve real-world problems. You'll even design, develop, monitor, and maintain machine and deep learning models on AWS. The book starts with an introduction to AI and its applications in different industries, along with an overview of AWS artificial intelligence and machine learning services. You'll then get to grips with detecting and translating text with Amazon Rekognition and Amazon Translate. The book will assist you in performing speech-to-text with Amazon Transcribe and Amazon Polly. Later, you'll discover the use of Amazon Comprehend for extracting information from text, and Amazon Lex for building voice chatbots. You will also understand the key capabilities of Amazon SageMaker such as wrangling big data, discovering topics in text collections, and classifying images. Finally, you'll cover sales forecasting with deep learning and autoregression, before exploring the importance of a feedback loop in machine learning. By the end of this book, you will have the skills you need to implement AI in AWS through hands-on exercises that cover all aspects of the ML model life cycle. What you will learn Gain useful insights into different machine and deep learning models Build and deploy robust deep learning systems to production Train machine and deep learning models with diverse infrastructure specifications Scale AI apps without dealing with the complexity of managing the underlying infrastructure Monitor and Manage AI experiments efficiently Create AI apps using AWS pre-trained AI services Who this book is for This book is for data scientists, machine learning developers, deep learning researchers, and artificial intelligence enthusiasts who want to harness the power of AWS to implement powerful artificial intelligence solutions. A basic understanding of machine learning concepts is expected.

This book gives an introduction to Amazon Web Services, illustrations of what you could do with AWS and fundamental data which you will need to know to begin. With Amazon owning near 50 percent of public-cloud infrastructure on earth, any conversation concerning cloud computing can not be complete without placing Amazon's AWS in the middle of their dialog. Why is this so, you may wonder? Since AWS is trusted by businesses, large or little, due to its collection of features and since AWS is the most dependable, cost-effective, scalable, flexible, and protected cloud computing option to deploying bonded web solutions in spite of minimal support, regardless of your needs! And by the virtue which you're reading this, it's apparent that you've got a significant appetite for expansion and are wondering exactly what it is making AWS so exceptional, how it functions, how you are able to embrace this and much more. Lucky for you, this book will teach you and a whole lot more! What it's How it's benefited so a Lot of People currently Why You Need to take care of amazon web services and things to do with it Different internet development software Coding applications and software that will assist you Different ways it may help with large data Distinct AWS service Program Just how each of these different pieces of development applications is about to assist you If it concerns the future of internet solutions, AWS is among the most effective ways to begin dealing with this. You will be delighted by the difference this really does make, and a number of the various techniques you may, as someone who uses internet development, or even cellular growth or IT, get the advantages out of this. AWS is altering the way we manage data large and little, and in case you're searching for a way to obtain the full benefits from information protection and management, together with applications which you could expect, then

that is finally the thing to do, and the manner which you ought to do this.

Understand the steps necessary to host your website using the Amazon Web Services (AWS) platform. You will be able to set up your website for the first time or migrate your existing website. Explore scenarios, considerations, and steps for three types of websites, including hosting a static website, a content management system (CMS) based website, and a full-featured enterprise level website. Topic areas such as content storage in S3, compute resources in EC2, Route53 DNS Management, email services setup using Simple Email Service as well as strategies for high availability, fault tolerance, and website maintenance are covered. Website Hosting and Migration with Amazon Web Services is organized in a way that allows you to start with simple concepts using AWS core services that allow you to build knowledge and confidence using AWS services while exploring the latest technology on this ever-updating platform. Using AWS to host your website offers you more control over your infrastructure, content delivery, and ability to scale to fit your website needs. It's time to take control and take your website to the next level. This engaging resource: Explains how to use the Amazon Web Services Free Tier to evaluate the platform for hosting your website Walks you through the setup and migration steps for three unique and popular web hosting scenarios Delivers hands-on experience with base concepts that can be built upon to grow and improve your website infrastructure Provides sample resources to test and understand the setup process fully What You'll Learn Evaluate Amazon Web Services (AWS) offered on the platform that may benefit your website Set up and maintain three unique types of websites using AWS core services, enabling you to gain a deeper understanding of what is capable for your website or future projects Select AWS services that can improve performance and control of your website Use AWS RDS to deliver a redundant database solution for your website Manage DNS, domain registration, and transfers in AWS Use CloudFront to deliver content efficiently on a global scale Who This Book Is For Small business owners, webmasters, freelance web designers, and others looking to have more control over their web content, save money by using a platform that charges for just the services you use, or grow the stability of their website by making it highly available, fault tolerant, and easily deployed; those looking to learn more about AWS Web Hosting options in general.

Set yourself apart by becoming an AWS Certified Cloud Practitioner Take the next step in your career by expanding and validating your skills on the Amazon Web Services (AWS) Cloud. The AWS Certified Cloud Practitioner Study Guide: Exam CLF-C01 provides a solid introduction to this industry-leading technology, relied upon by thousands of businesses across the globe, as well as the resources you need to prove your knowledge in the AWS Certification Exam. This guide offers complete and thorough treatment of all topics included in the exam, beginning with a discussion of what the AWS cloud is and its basic global infrastructure and architectural principles. Other chapters dive into the technical, exploring core characteristics of deploying and operating in the AWS Cloud Platform, as well as basic security and compliance aspects and the shared security model. In addition, the text identifies sources of documentation or technical assistance, such as white papers or support tickets. To complete their coverage, the authors discuss the AWS Cloud value proposition and define billing, account management, and pricing models. This includes describing the key services AWS can provide and their common use cases (e.g., compute, analytics, etc.). Distinguish yourself as an expert by 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 The AWS Certified Cloud Practitioner Study Guide is essential reading for any professional in IT or other fields that work directly with AWS, soon-to-be graduates studying in those areas, or anyone hoping to prove themselves as an AWS Certified Cloud Practitioner.

This book is a guide to AWS (Amazon Web Services). It begins by guiding you on how to perform error retries. Sometimes, requests made to AWS may fail, and this calls for you to retry sending the requests. However, you should make the maximum number of retries and some other parameters. These are discussed in this book. The best security credentials for use in AWS are examined, so you will know the best practices for ensuring that these are secure. The AWS requests also need to be signed, which is a good way for ensuring that the requests are not tampered with while in transit. This book guides you on how to sign both AWS requests and the AWS API requests. You will also learn how to verify whether the request was interfered with or not on the receiving end. The ARN (Amazon Resource Name) and namespaces, which are used for the purpose of uniquely identifying resources are explored in this book. The process of using Unbound guidelines for the purpose of auditing the security of your AWS services is also discussed. The book also provides you with a guide on how to set up DNS Resolution between AWS and On-Premises Networks. The following topics are discussed in this book: - Error Retries in AWS - AWS Security Credentials - Setting Up DNS Resolution Between AWS and On-Premises Networks Using Unbound - Guidelines for Security Audit - AWS Service Namespace and Amazon Resource Names (ARN) - How to Sign AWS API Requests

Explore real-world examples of issues with systems and find ways to resolve them using Amazon CloudWatch as a monitoring service Key Features: Become well-versed with monitoring fundamentals such as understanding the building blocks and architecture of networking Learn how to ensure your applications never face downtime Get hands-on with observing serverless applications and services Book Description: CloudWatch is Amazon's monitoring and observability service, designed to help those in the IT industry who are interested in optimizing resource utilization, visualizing operational health, and eventually increasing infrastructure performance. This book helps IT administrators, DevOps engineers, network engineers, and solutions architects to make optimum use of this cloud service for effective infrastructure productivity. You'll start with a brief introduction to monitoring and Amazon CloudWatch and its core functionalities. Next, you'll get to grips with CloudWatch features and their usability. Once the book has helped you develop your

foundational knowledge of CloudWatch, you'll be able to build your practical skills in monitoring and alerting various Amazon Web Services, such as EC2, EBS, RDS, ECS, EKS, DynamoDB, AWS Lambda, and ELB, with the help of real-world use cases. As you progress, you'll also learn how to use CloudWatch to detect anomalous behavior, set alarms, visualize logs and metrics, define automated actions, and rapidly troubleshoot issues. Finally, the book will take you through monitoring AWS billing and costs. By the end of this book, you'll be capable of making decisions that enhance your infrastructure performance and maintain it at its peak. What You Will Learn: Understand the meaning and importance of monitoring Explore the components of a basic monitoring system Understand the functions of CloudWatch Logs, metrics, and dashboards Discover how to collect different types of metrics from EC2 Configure Amazon EventBridge to integrate with different AWS services Get up to speed with the fundamentals of observability and the AWS services used for observability Find out about the role Infrastructure As Code (IaC) plays in monitoring Gain insights into how billing works using different CloudWatch features Who this book is for: This book is for developers, DevOps engineers, site reliability engineers, or any IT individual with hands-on intermediate-level experience in networking, cloud computing, and infrastructure management. A beginner-level understanding of AWS and application monitoring will also be helpful to grasp the concepts covered in the book more effectively.

You Are About To Learn How AWS (Amazon Web Services) Can Take Your Cloud Computing Experience To Cloud 9! Cloud computing is the future of smart businesses that want to grow fast as they focus on their core competences while outsourcing the stuff they are not good at (the core competences of other businesses) to the best companies for the job! This is the model that some of the fastest growing companies in the world are taking; Netflix, Reddit, Pinterest, Fiverr and many others! At the heart of cloud computing success is Amazon Web Services, which is so wildly successful (because it delivers efficiency, affordability, scalability, security, flexibility and more) that brings Amazon more revenue per year than what McDonalds, with over 36,000 locations in over 100 countries brings per year! It's revenues are several times the combined revenues of its top competitors for a reason; it is damn good! For the end user like you and I, I know you might be wondering.. What exactly is AWS? What does it do that is so different from the rest? What makes it stand out from all the other services out there? How can you adopt AWS to your business? Do you need to understand the technical stuff to make a decision to opt for AWS? This book answers all these questions and more so that at the end, you have a full understanding of why you should adopt AWS, how to adopt it, the features you can take advantage of and much more! More precisely, you will learn: Why this book is unlike all the others out there on the subject Why cloud computing is an essential part of growth F??tur?? that m?k? AWS C?d?St?r u??ful for J?v? Programmers How AWS came into being and why that should matter in understanding how to use it in your business Why success oriented businesses are choosing AWS How to adopt AWS in your business The different features of AWS, including how to make the most use of them A comprehensive background to EC2 and why it is considered revolutionary Mobile applications to manage EC2 instances on AWS and how to leverage them to propel your business to the next level An introduction to Amazon S3, its features as well as how you can make the most of it Making money with Amazon's many money making opportunities And much more! Smart companies can't be making dumb decisions! The reason Netflix has grown so fast to kill almost kill some industries that had existed for decades is because it makes smart decisions! Are you ready to set your business on the same growth trajectory like Netflix, Pinterest, Fiverr and many others? Well, you don't have to be as deep pocketed as Netflix and other tech giants to leverage the full power of AWS; it works for businesses of all sizes! Click Buy Now With 1-Click or Buy Now to get started! Upgrade Your Business and Become an Expert on Amazon Web Services! Do you want your company to be as profitable as Netflix, Spotify, and Ubisoft? You've heard about Amazon Web Services (AWS) but don't know how to implement it in your business? If you haven't heard about AWS, it's time to get familiar with it! AWS took the IT world by storm and is a leading trend in the cloud-computing sector. It's not a coincidence that a highly successful Netflix has moved all of its IT operations on AWS. Simply stated, AWS is the best option for any business - you get better performance and security for less money! This comprehensive guide on AWS will show you how to transform your company by using the AWS tools and strategies. Unlike many similar instruction manuals and guides, you won't find this book to be too technical and hard to understand. Here's just a fragment of what you get with this book: A complete guide on cloud computing and its advantages Instruction on the types and the cloud computing deployment A comprehensive introduction to AWS and possible uses A guide on the AWS Framework and design Instructions on how to start with AWS How to utilize AWS for machine learning and AI projects A guide on AWS Certifications to upgrade your skills further Additional facts, tips and tricks on Amazon and AWS And much more! The best part of AWS is that you don't have to have an IT industry degree, to implement it in your business. All you need is a great coach, and you'll find an excellent one in this book! No matter if your business is small or big, AWS will make it highly profitable, more secure and recognizable! So, what are you waiting for ?? Scroll up, click on "Buy Now with 1-Click", and Get Your Copy Now!

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! 7 Hours of Video Instruction Seven hours of video instruction covering the fundamentals of cloud computing; AWS core services such as Amazon EC2, Amazon RDS, and Amazon S3; security; architecture design principles; best practices; and cost management. AWS Certified Cloud Practitioner Complete Video Course is a video product designed to help viewers understand Amazon Web Services at a high level, introduce cloud computing concepts, and key AWS services, and prepare them for the exam according to the certification exam guide published by Amazon Web Services. AWS Certified Cloud Practitioner Complete Video Course provides seven hours of instruction. The videos contain slides, audio descriptions, and video captures. Demonstrations of Amazon Web Services and third-party cloud solutions are included to provide a clear guide to understanding the services offered by Amazon Web Services and the needs those services meet. Topics include: Cloud Practitioner Certification

Fundamental Concepts Fundamentals Basic Core Services Advanced Core Services Other Services Security in AWS Service Pricing Cost Management Learn How To Includes seven hours of video presentation Provides clear, in-depth explanations and demos Provides an understanding across numerous services, principles, and cost management Offers insights and hints to study for the Cloud Practitioner certification exam Who Should Take This Course The target audience for AWS Certified Cloud Practitioner Complete Video Course are individuals currently working in roles such as sales, project management, or at the executive level. These individuals will typically be involved in decision making where the use of Amazon Web Services is concerned and need to engage in intelligent, informed dialogue but not necessarily be involved with the more technical discussions or hands-on implementation as might be relevant to other certifications. Course Requirements There are no requirements for this course Lesson descriptions Lesson 1: Cloud Practitioner Certification. In this lesson, the requirements will be reviewed, along with the exam itself, the experience of taking the exam, and some resources for further study and preparation. Lesson 2: Fundamental Concepts. In Lesson 2, an introduction to cloud computing will be provided, along with a review of business needs, and a discussion of how Amazon Web Services helps address those needs. Lesson 3: Fundamentals. In this lesson, the fundamentals of the AWS global infra...

Amazon Web Services in Action, Second Edition is a comprehensive introduction to computing, storing, and networking in the AWS cloud. You'll find clear, relevant coverage of all the essential AWS services you to know, emphasizing best practices for security, high availability and scalability. About the Technology The largest and most mature of the cloud platforms, AWS offers over 100 prebuilt services, practically limitless compute resources, bottomless secure storage, as well as top-notch automation capabilities. This book shows you how to develop, host, and manage applications on AWS. About the Book Amazon Web Services in Action, Second Edition is a comprehensive introduction to deploying web applications in the AWS cloud. You'll find clear, relevant coverage of all essential AWS services, with a focus on automation, security, high availability, and scalability. This thoroughly revised edition covers the latest additions to AWS, including serverless infrastructure with AWS Lambda, sharing data with EFS, and in-memory storage with ElastiCache. What's Inside Completely revised bestseller! Secure and scale distributed applications Deploy applications on AWS Design for failure to achieve high availability Automate your infrastructure About the Reader Written for mid-level developers and DevOps engineers. About the Authors Andreas and Michael Wittig are software engineers and DevOps consultants focused on AWS. together, they migrated the first bank in Germany to AWS in 2013.

If you have wanted to learn about the Amazon Cloud Computing platform, more popularly known as Amazon Web Services (AWS), then, this book is for you. If you are new to AWS, the large number of AWS services can be overwhelming and confusing. I wrote this book to introduce you to AWS using a hands-on approach. Rather than just read about the services and features of AWS or cram for an AWS certification exam by memorizing facts that you will soon forget, I believe that the best way to learn and retain information about a new technology is to roll up your sleeves and get your "hands dirty" by actually doing a series of meaningful hands-on exercises. This book uses a hands-on approach to learning about AWS. The chapters introduce you to concepts that you need to know about a service followed by a series of guided hands-on exercises that explain these concepts. Where relevant, screen captures are provided so that having done the hands-on exercises at least once, you can mentally walk through the steps and use the screen captures or command output to reinforce your learning. This book provides in-depth coverage of a wide range of topics that can be helpful to the end user, business owner, business executive, IT support staff, DevOps or software developer. You can use the knowledge that you gain from this book to get a deep understanding of how AWS can reduce the networking and computing costs for supporting your business from a small web site to a highly reliable, secure, flexible, scalable, high performance computing infrastructure with minimal support. This is the first of a three volume series. In this, volume 1, you will gain a deep understanding of AWS by learning about Amazon Computing Resources such as S3 Glacier, RDS, DynamoDB, DocumentDB, Neptune, RedShift, ElastiCache, EBS, EFS, FSx

It's time to get your head in the cloud! In today's business environment, more and more people are requesting cloud-based solutions to help solve their business challenges. So how can you not only anticipate your clients' needs but also keep ahead of the curve to ensure their goals stay on track? With the help of this accessible book, you'll get a clear sense of cloud computing and understand how to communicate the benefits, drawbacks, and options to your clients so they can make the best choices for their unique needs. Plus, case studies give you the opportunity to relate real-life examples of how the latest technologies are giving organizations worldwide the opportunity to thrive as supply chain solutions in the cloud. Demonstrates how improvements in forecasting, collaboration, and inventory optimization can lead to cost savings Explores why cloud computing is becoming increasingly important Takes a close look at the types of cloud computing Makes sense of demand-driven forecasting using Amazon's cloud Whether you work in management, business, or IT, this is the dog-eared reference you'll want to keep close by as you continue making sense of the cloud.

Would you like to uncover a new world of possibilities with the Amazon Web Services (AWS)? Are you interested in knowing exactly just how the Amazon Web Services function? Do you want to know whether you should align your next web service securely with AWS to take your business to another level? If you want to uncover the most complete and used cloud platform in the world, then keep reading! If you have the above concerns as you dabble with the concept of taking on AWS for your business, this book is all you need. By the end of this book, you will certainly have all the answers you require to make an informed decision on whether it is time to take on Amazon Web Services (AWS) for your business. The book, AWS: Amazon Web Services gives a detailed introduction to Amazon Web Services (AWS), highlights of what you can do with AWS and other amazing information required to know exactly how you can get started. While AWS is not Amazon's primary business, this service segment is much ahead of the other business segments in providing efficient, adaptable, safe, dependable, user friendly, and cost effective cloud computing options! The book provides an overview to AWS for both beginners and advanced users. If you intend to lower your business running prices, and also regulate the security of your information, use this detailed guide for computing and networking in the AWS cloud platform.

Indeed, high performing, efficient and profitable companies around the world have realized that cloud computing is the secret to massive growth and efficiency in service delivery on a global scale especially because it allows data access from anywhere in the world. You don't need to be an IT expert to use AWS. You merely need this extensive and easy to understand bestselling companion. This book covers everything about AWS that will certainly leave you feeling confident about your understanding of AWS so as to make an educated choice. A few of the topics in this book include: Introduction to Amazon Web Services Types of Cloud Service Model AWS Basic Architecture AWS Management Console Platform Services Business Application Other AWS Services AWS Billing and Support Services Why You Should Consider AWS ..And Much More ! If you think cloud computing is something that will certainly sustain your business as it grows to an international scale, make AWS your best option; you will never ever regret it! The very best part about AWS is that it deals with any scale. It doesn't really matter if you are a large or small scale business owner, the AWS can be implemented in your operations. Even if you are already familiar with the AWS cloud, this guide will help you increase your understanding on the subject. You'll find out whatever there is on AWS methods, cloud selection, and also exactly how to generate income with a wise AWS implementation in your company. Don't wait any longer! Click the "BUY NOW" button now and begin immediately!

Put the power of AWS Cloud machine learning services to work in your business and commercial applications! Machine Learning in the AWS Cloud introduces readers to the machine learning (ML) capabilities of the Amazon Web Services ecosystem and provides practical examples to solve real-world regression and classification problems. While readers do not need prior ML experience, they are expected to have some knowledge of Python and a basic knowledge of Amazon Web Services. Part One introduces readers to fundamental machine learning concepts. You will learn about the types of ML



Services Design robust architectures to enable experimentation, extensibility, and maintainability of AI apps Book Description From data wrangling through to translating text, you can accomplish this and more with the artificial intelligence and machine learning services available on AWS. With this book, you'll work through hands-on exercises and learn to use these services to solve real-world problems. You'll even design, develop, monitor, and maintain machine and deep learning models on AWS. The book starts with an introduction to AI and its applications in different industries, along with an overview of AWS artificial intelligence and machine learning services. You'll then get to grips with detecting and translating text with Amazon Rekognition and Amazon Translate. The book will assist you in performing speech-to-text with Amazon Transcribe and Amazon Polly. Later, you'll discover the use of Amazon Comprehend for extracting information from text, and Amazon Lex for building voice chatbots. You will also understand the key capabilities of Amazon SageMaker such as wrangling big data, discovering topics in text collections, and classifying images. Finally, you'll cover sales forecasting with deep learning and autoregression, before exploring the importance of a feedback loop in machine learning. By the end of this book, you will have the skills you need to implement AI in AWS through hands-on exercises that cover all aspects of the ML model life cycle. What you will learn Gain useful insights into different machine and deep learning models Build and deploy robust deep learning systems to production Train machine and deep learning models with diverse infrastructure specifications Scale AI apps without dealing with the complexity of managing the underlying infrastructure Monitor and Manage AI experiments efficiently Create AI apps using AWS pre-trained AI services Who this book is for This book is for data scientists, machine learning developers, deep learning researchers, and artificial intelligence enthusiasts who want to harness the power of AWS to implement powerful artificial intelligence solutions. A basic un...

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 multitenant 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.

The Practical, Foundational Technical Introduction to the World's #1 Cloud Platform Includes access to several hours of online training video: Mark Wilkins' expert training video library guides you through setting up core services and prepares you to deploy your own apps and resources. Learning Amazon Web Services (AWS) is the perfect foundational resource for all administrators, developers, project managers, and other IT professionals who want to plan and deploy AWS services and/or earn AWS certification. Top cloud trainer and evangelist Mark Wilkins teaches best practices that align with Amazon's Well-Architected Framework, introduces key concepts in the context of a running case study, carefully explains how core AWS services operate and integrate, and offers extensively tested tips for maximizing flexibility, security, and value. Companion online videos guide you step-by-step through setting AWS compute, storage, networking, scale, security, automation, and more. Balance cost, compliance, and latency in your service designs Choose the right networking options for your virtual private cloud (VPC) Build, host, launch, manage, and budget for EC2 compute services Plan for scale and resiliency, and make informed decisions about AWS storage Enforce strict security, and automate to improve operational efficiency This book with companion training videos is a valuable learning tool for anyone seeking to demonstrate expertise through formal certification. WEB EDITION: All buyers of the book or ebook can register your book for access to a free online Web Edition of this title, which included videos embedded within the text, plus updates as they become available.

Amazon Web Services for Mobile Developers Building Apps with AWS John Wiley & Sons

In this book, you will get more familiar with all you need to know about Amazon Web Services ranging from; the key concepts of AWS, to the services they provide, how AWS generally works, and how to

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

Dive into the technicalities of Amazon Web Services and learn how to incorporate it into your business to turn it into a success! If an investment such as this book provides you with the ultimate guide to expand your business in order to keep up with current challenges and demands, why would you hesitate to give it a go? Amazon Web Services (AWS) is an elaborate cloud computing solution devised by Amazon that is used by individuals, companies, and even governments to scale and grow. This book will take you through the history of AWS and ensure that you understand what AWS offers and how it is relevant to your business or organizational use. Many AWS-specific terminologies that make up the service like EC2, Availability Zone, and S3 are discussed in detail. Along with highlighting the benefits of using AWS, Amazon Web Services by Maxwell Blackmore is sincere as it also visits the service's drawbacks. There's a lot more that you will get from this book, such as: Common myths about AWS and the evidence against them AWS from a factual perspective An introduction to cloud computing; what it is and what its pros and cons are A detailed discussion of the types of cloud computing and their service providers The advantages of using cloud networking and cloud storage An elaborate guide on Amazon Web Services including useful insight on Lambda, EBS, EC2, and much more In order to make considerable profits, you must step out of the comfort zone that you have known for too long. Tools like Amazon Web Services have been created in order to aid businesses and businesses that follow through with these tools end up on the higher end of the spectrum. Towards the end of this book, you will have learned what cloud computing is, what AWS brings to the table of cloud computing, how it is relevant to small and large-scale businesses, and how to get the best out of Amazon Web Services - all from scratch!

\*\*\*\*\*WAGmob: An ebook and app platform for learning, teaching and training !!!\*\*\*\*\* WAGmob brings you, simpleNeasy, on-the-go learning ebook for "Learn Amazon Web Services". The ebook provides: 1. Snack sized chapters for easy learning. 2. Bite sized flashcards to memorize key concepts. Designed for both students and adults. This ebook provides a quick summary of essential concepts in Amazon Web Services by following snack sized chapters: (Each chapter has corresponding flashcards) Introduction to Amazon Web Services: • Cloud Computing • Cloud Computing Stack • Amazon Web Services (AWS) • AWS Products and Services • AWS Uses • AWS Geo-Locations • AWS Management Console • Benefits of AWS AWS Products and Services: • AWS Products and Services Getting Started with Free Usage Tier: • Getting Started with AWS Free Usage Tier • Getting Started with the Free Usage Tier • Compute & Networking Free Tier Benefits • Storage Free Tier Benefits • Database Free Tier Benefits • Application Services Free Tier Benefits • Development and Management Free Tier Benefits Amazon EC2 - I: • Amazon EC2 • History of EC2 • Amazon EC2 Instances • Instance Types and Families • Amazon EBS • Instance Features • Benefits of Amazon EC2 • Amazon EC2 Service Commitment • Differences between Amazon EC2 and Azure? • Amazon EC2 Billing Amazon EC2 - II: • How to Launch an EC2 Instance • How to Connect to an EC2 Instance • How to Terminate an EC2 Instance Amazon S3: • Amazon Simple Storage Service (Amazon S3) • Amazon S3 Functionality • Notable Amazon S3 Users • Amazon S3 Security • Amazon S3 Access Control • Encryption in Amazon S3 • S3 Durability • S3 Versioning • Reduced Redundancy Storage (RSS) Amazon Glacier: • Amazon Glacier • How to Use Glacier? • Amazon Glacier Costing Amazon Account and MFA: • AWS Account and MFA • AWS MFA • Using an AWS MFA Device • AWS MFA Devices • Amazon Single Sign-On Amazon IAM: • AWS Identity and Access Management • IAM Concepts • IAM Policies • EC2 Resource-Level Permission Amazon RDS: • Amazon RDS • RDS Components • Available RDS Interfaces • RDS Commands Cheat Sheet Amazon Marketplace: • AWS Marketplace • AWS Marketplace Products • Benefits of AWS Marketplace • Best Practices for Building AMIs for the Marketplace About WAGmob ebooks: 1) A companion ebook for on-the-go, bite-sized learning. 2) Over One million paying customers from 175+ countries. Why WAGmob ebooks: 1) Beautifully simple, Amazingly easy, Massive selection of ebook. 2) Effective, Engaging and Entertaining ebook. 3) An incredible value for money. Lifetime of free updates! 4) Proven track record with over a million paying customers. \*\*\*\*\* WAGmob Vision : simpleNeasy ebooks for a lifetime of on-the-go learning. WAGmob Mission : A simpleNeasy WAGmob ebook in every hand. WAGmob Platform: A unique platform to create and publish your own ebooks and apps. \*\*\*\*\* Please visit us at [www.simpleNeasyBook.Com](http://www.simpleNeasyBook.Com) or write to us at [Team@simpleNeasyBook.Com](mailto:Team@simpleNeasyBook.Com). We would love to improve our ebook and ebook platform.

A practical, real-world introduction to AWS tools and concepts Amazon Web Services for Mobile Developers: Building Apps with AWS presents a professional view of cloud computing and AWS for experienced iOS/Android developers and technical/solution architects. Cloud computing is a rapidly expanding ecosystem, and working professionals need a practical resource to bring them up-to-date on tools that are rapidly becoming indispensable; this book helps expand your skill set by introducing you to AWS offerings that can make your job easier, with a focus on real-world application. Author and mobile applications developer Abhishek Mishra shows you how to create IAM accounts and try out some of the most popular services, including EC2, Lambda, Mobile Analytics, Device Farm, and more. You'll build a chat application in both Swift (iOS) and Java (Android), running completely off AWS Infrastructure to explore SDK installation, Xcode, Cognito authentication, DynamoDB, Amazon SNS Notifications, and other useful tools. By actually using the tools as you learn about them, you develop a more intuitive understanding that feels less like a shift and more like a streamlined integration. If you have prior experience with Swift or Java and a solid knowledge of web services, this book can help you quickly take your skills to the next level with a practical approach to learning that translates easily into real-world use. Understand the key concepts of AWS as applied to both iOS and Android developers Explore major AWS offerings for mobile developers, including DynamoDB, RDS, EC2, SNS, Cognito, and more Learn what people are talking about when they use buzzwords like PaaS, IaaS, SaaS, and APaaS Work through explanations by building apps that tie into the AWS ecosystem Any job is easier with the right

tools, and Amazon Web Services for Mobile Developers: Building Apps with AWS gets you acquainted with an ever-expanding toolkit for mobile app development.

If you have wanted to learn about the Amazon Cloud Computing platform, more popularly known as Amazon Web Services (AWS), then, this book is for you. If you are new to AWS, the large number of AWS services can be overwhelming and confusing. I wrote this book to introduce you to AWS using a hands-on approach. Rather than just read about the services and features of AWS or cram for an AWS certification exam by memorizing facts that you will soon forget, I believe that the best way to learn and retain information about a new technology is to roll up your sleeves and get your "hands dirty" by actually doing a series of meaningful hands-on exercises. This book uses a hands-on approach to learning about AWS. The chapters introduce you to concepts that you need to know about a service followed by a series of guided hands-on exercises that explain these concepts. Where relevant, screen captures are provided so that having done the hands-on exercises at least once, you can mentally walk through the steps and use the screen captures or command output to reinforce your learning. This book provides in-depth coverage of a wide range of topics that can be helpful to the end user, business owner, business executive, IT support staff, DevOps or software developer. You can use the knowledge that you gain from this book to get a deep understanding of how AWS can reduce the networking and computing costs for supporting your business from a small web site to a highly reliable, secure, flexible, scalable, high performance computing infrastructure with minimal support. This is the first of a three volume series. In this, volume 1, you will gain a deep understanding of AWS by learning about Amazon Computing Resources such as Route 53, Kubernetes, Containers, Beanstalk, OpWorks, CloudFormation, Machine Learning

"The largest and most mature of the cloud platforms, AWS offers over 100 prebuilt services, practically limitless compute resources, bottomless secure storage, as well as top-notch automation capabilities. This book shows you how to develop, host, and manage applications on AWS. Amazon Web Services in Action, Second Edition is a comprehensive introduction to deploying web applications in the AWS cloud. You'll find clear, relevant coverage of all essential AWS services, with a focus on automation, security, high availability, and scalability. This thoroughly revised edition covers the latest additions to AWS, including serverless infrastructure with AWS Lambda, sharing data with EFS, and in-memory storage with ElastiCache."--Back cover.

Everything You Need to Know to Become a Certified AWS Cloud Practitioner Do you want to pass the AWS Cloud Practitioner exam on your first try? Have you always wanted to know what cloud computing is, how it works, and what it's used for - without all the technical jargon? If so, then keep reading! Hello! Welcome to "AWS CERTIFIED CLOUD PRACTITIONER CERTIFICATION GUIDE". For all those who want to learn these basics, this book has been designed with two main objectives in mind: (1) Prepare you to pass the AWS Certified Cloud Practitioner exam, and (2) learn the foundations of cloud computing and AWS, including its primary services, benefits, and use cases. This book is designed from absolute scratch and is intended for individuals who intend to begin their journey into AWS and give the AWS Cloud Practitioner Certification. The AWS Cloud Practitioner Exam (CLF-C01) is geared towards professionals who have basic experience with cloud-based technologies. Those include corporate decision-makers, general managers, sales managers, IT managers, and marketers wanting to become certified in AWS Cloud. This AWS Certified Cloud Practitioner Practice Exam book covers EVERYTHING you need to pass the exam on your first try Here's what makes this book special: Introduction to Amazon Web Services Demystification of The Cloud Computing Base Introduction to Cloud Computing and Main Features of Cloud Computing What Is AWS Certification? & Why Is AWS Certification Important? AWS Certified Cloud Practitioner List the Different Cloud Architecture Design Define AWS Cloud Deployment and Operational Methods Recognize the Different Account Structures Related to Aws Billing and Pricing AWS Certification Online Exams AWS Cloud Practitioner Exam from Home Free AWS Cloud Practitioner Question Much, much more! This book is different from others because in this book: You will learn how to identify aspects of the AWS cloud economy You will learn about AWS cloud security and compliance concepts You will understand the various AWS cloud architectural design principals By passing the AWS Certified Cloud Practitioner exam you will be able to demonstrate a detailed understanding of cloud concepts, AWS services, security, architecture, pricing, and support Interested? Then Scroll up, Click on "Buy now with 1-Click", and Get Your Copy Now!

In this Introduction to Architecting for the Cloud - Amazon AWS training course, expert author Daniel Hand will teach you the strategies and best practices used to efficiently and securely incorporate the AWS cloud into technology platforms. This course is designed for the absolute beginner, meaning no previous Amazon AWS experience is required. You will start by learning about design principles and patterns, including cloud concepts, VPC design patterns, and integration strategies. From there, Daniel will teach you about availability, cost optimization, performance, and scalability and durability. This video tutorial also covers security, including network access controls, security groups, encryption, and logging. Finally, you will learn about Amazon deployment and management services. Once you have completed this computer based training course, you will be fully capable of incorporating the AWS cloud into your organization's technology platform.

"A stereotype of computer science textbooks is that they are dry, boring, and sometimes even intimidating. As a result, they turn students' interests off from the subject matter instead of enticing them into it. This textbook is the opposite of such a stereotype. The author presents the subject matter in a refreshing story-telling style and aims to bring the Internet-generation of students closer to her stories." --Yingcai Xiao, The University of Akron Introduction to Middleware: Web Services, Object Components, and Cloud Computing provides a comparison of different middleware technologies and the overarching middleware concepts they are based on. The various major paradigms of middleware are introduced and their pros and cons are discussed. This includes modern cloud interfaces, including the utility of Service Oriented Architectures. The text discusses pros and cons of RESTful vs. non-RESTful web services, and also compares these to older but still heavily used distributed object/component middleware. The text guides readers to select an appropriate middleware technology to use for any given task, and to learn new middleware technologies as they appear over time without being greatly overwhelmed by any new concept. The book begins with an introduction to different distributed computing paradigms, and a review of the different kinds of architectures, architectural styles/patterns, and properties that various researchers have used in the past to examine distributed applications and determine the quality of distributed applications. Then it includes appropriate background material in networking and the web, security, and encoding necessary to understand detailed discussion in this area. The major middleware paradigms are compared, and a comparison methodology is developed. Readers will learn how to select a paradigm and technology for a particular task, after reading this text. Detailed middleware technology review sections allow students or industry practitioners working to expand their knowledge to achieve practical skills based on real projects so as to become well-functional in that technology in industry. Major technologies examined include: RESTful web services (RESTful cloud interfaces such as OpenStack, AWS EC2 interface, CloudStack; AJAX, JAX-RS, ASP.NET MVC and ASP.NET Core), non-RESTful (SOAP and WSDL-based) web services (JAX-WS, Windows Communication

Foundation), distributed objects/ components (Enterprise Java Beans, .NET Remoting, CORBA). The book presents two projects that can be used to illustrate the practical use of middleware, and provides implementations of these projects over different technologies. This versatile and class-tested textbook is suitable (depending on chapters selected) for undergraduate or first-year graduate courses on client server architectures, middleware, and cloud computing, web services, and web programming.

If you have wanted to learn about the Amazon Cloud Computing platform, more popularly known as Amazon Web Services (AWS), then, this book is for you. If you are new to AWS, the large number of AWS services can be overwhelming and confusing. I wrote this book to introduce you to AWS using a hands-on approach. Rather than just read about the services and features of AWS or cram for an AWS certification exam by memorizing facts that you will soon forget, I believe that the best way to learn and retain information about a new technology is to roll up your sleeves and get your "hands dirty" by actually doing a series of meaningful hands-on exercises. This book uses a hands-on approach to learning about AWS. The chapters introduce you to concepts that you need to know about a service followed by a series of guided hands-on exercises that explain these concepts. Where relevant, screen captures are provided so that having done the hands-on exercises at least once, you can mentally walk through the steps and use the screen captures or command output to reinforce your learning. This book provides in-depth coverage of a wide range of topics that can be helpful to the end user, business owner, business executive, IT support staff, DevOps or software developer. You can use the knowledge that you gain from this book to get a deep understanding of how AWS can reduce the networking and computing costs for supporting your business from a small web site to a highly reliable, secure, flexible, scalable, high performance computing infrastructure with minimal support. This is the first of a three volume series. In this, volume 1, you will gain a deep understanding of AWS by learning about Amazon Computing Resources such as EC2, S3, SDKs, Lightsail, AWS Lambda.

Pro PowerShell for Amazon Web Services is written specifically for Windows professionals who already know PowerShell and want to learn to host Windows workloads in the Amazon Elastic Cloud Compute (EC2) cloud service. The cloud offers information technology workers significant cost savings and agility unimaginable even just a few years ago. Tasks that traditionally took weeks of work, costing thousands of dollars, can be completed in minutes for a fraction of a penny. This book is a resource for using Microsoft's powerful scripting language, PowerShell, to create, host, manage, and administer workloads using a service widely recognized as the industry leader in cloud computing. Inside, find scripts to create and manage virtual machines, provision storage, configure networks with agility, and more--all using your preferred Windows scripting language. Use your PowerShell knowledge to harness the power of Amazon EC2 today! What you'll learn

- Create, manage, and terminate Windows servers in the cloud
- Manage storage options including backup and recovery
- Configure a virtual network including subnets and route tables
- Secure your servers using security groups and access control lists
- Use Auto Scaling to respond to changing conditions
- Deploy SQL Server using Relational Database Service
- Use Simple Storage Service (S3) to reliably store and archive data
- Control access to resources using Identity and Access Management (IAM)

Who this book is for Pro PowerShell for Amazon Web Services is for the intermediate to advanced Windows professional who is ready to make the leap to the Amazon cloud.

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