

# **Learn Amazon Web Services In A Month Of Lunches | ba648a15c878f90991fe686765895ae0**

*An Overview of Cloud Computing with Amazon Web Services*  
*Amazon Web Services Bootcamp*  
*Website Hosting and Migration with Amazon Web Services*  
*Amazon Web Services for Mobile Developers*  
*Aws: The Ultimate Step-by-Step Guide From Beginners to Advanced for Amazon Web Services*  
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## **[An Overview of Cloud Computing with Amazon Web Services](#)**

*Summary* *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. Foreword by Ben Whaley, AWS community hero and

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**author. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. 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 Author Andreas Wittig and Michael Wittig are software engineers and DevOps consultants focused on AWS. Together, they migrated the first bank in Germany to AWS in 2013. Table of Contents PART 1 - GETTING STARTED What is Amazon Web Services? A simple example: WordPress in five minutes PART 2 - BUILDING VIRTUAL INFRASTRUCTURE CONSISTING OF COMPUTERS AND NETWORKING Using virtual machines: EC2 Programming your infrastructure: The command-line, SDKs, and CloudFormation Automating deployment: CloudFormation, Elastic Beanstalk, and OpsWorks Securing your system: IAM, security groups, and VPC Automating operational tasks with Lambda PART 3 - STORING DATA IN THE CLOUD Storing your objects: S3 and Glacier Storing data on hard drives: EBS and instance store Sharing data volumes between machines: EFS Using a relational database service: RDS Caching data in memory: Amazon ElastiCache Programming for the NoSQL database service: DynamoDB PART 4 - ARCHITECTING ON AWS Achieving high availability: availability zones, auto-scaling, and CloudWatch Decoupling your infrastructure: Elastic Load Balancing and Simple Queue Service Designing for fault tolerance Scaling up and down: auto-scaling and CloudWatch**

## **[Amazon Web Services Bootcamp](#)**

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*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*

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- Benefits of AWS

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## **Amazon Web Services for Mobile Developers**

**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 SNA 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**

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*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.*

## [Aws: The Ultimate Step-by-Step Guide From Beginners to Advanced for Amazon Web Services](#)

*Have you heard about Amazon Web Services - AWS? If you have, that's nice, but if you haven't, I'll tell you. Amazon Web Services is known to be a subsidiary under Amazon which has so far provided individuals, companies or even governments with platforms for on-demand cloud computing on a metered pay as you go basis. In total, these services about cloud computing provide some sort of primitive technical infrastructure that are technical and also distributed computing building blocks as well as tools. Now, if you have really chosen to learn about Amazon Web Services, you're definitely going to be needing this particular book. I have taken time to explicitly open the grey areas of AWS in this book, ranging from cloud computing, understanding the business philosophy behind Amazon, the Amazon Web Services Management Console, Services of the platform, application integration, among others. These are the benefits you stand to gain by reading through this book. This book has everything you need to know about Amazon Web Services for you to advance from beginners to advanced level for AWS. Basically, you need not look anywhere else as this book has systematically done justice to Amazon Web Services. Enjoy*

## [Learn Amazon Web Services in a Month of Lunches](#)

*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*

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

**[Introduction to Cloud Computing with Amazon Web](#)**

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## Services

*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.*

## Steps To Learn Amazon Web Services

*AWS gives users the networking, compute, and security services they need without making them pay for anything they're not actually using. With almost a hundred individual AWS services, putting all the pieces together is not a simple thing. That's where this book can help. Learn Amazon Web Services in a Month of Lunches guides readers through the process of building a robust and secure web application using the core AWS services they really need to know. When they're done, readers will be comfortable with the basics, and know exactly where to look when they're ready for more. Purchase of the print*

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*book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.*

## **[Amazon Web Services in Action](#)**

*In this Overview of Cloud Computing with Amazon Web Services training course, expert author Steve Suehring will teach you about the services in AWS, what they are used for, and when to use them. This course is designed for the absolute beginner, meaning no prior experience with Amazon Web Services is required. You will start with an overview of compute services, then jump into learning about storage in AWS, including simple storage with S3, content delivery with CloudFront, and archival data services with Glacier. From there, Steve will teach you about databases in AWS, management-related services, and security. This video tutorial also covers networking, developer tools, and application layer services. Finally, you will learn about mobile-related services, analytics in AWS, and enterprise use cases with AWS. Once you have completed this computer based training course, you will have gained a solid understanding of the key AWS services, what they are used for, and when you should use them.*

## **[Hands-On Artificial Intelligence on Amazon Web Services](#)**

*Virtual, hands-on learning labs allow you to apply your technical skills in realistic environments. So Sybex has bundled AWS labs from XtremeLabs with our popular AWS Certified SysOps Administrator Study Guide to give you the same experience working in these labs as you prepare for the Certified SysOps Administrator Exam that you would face in a real-life application. These labs in addition to the book are a proven way to prepare for the certification and for work as an AWS SysOps Administrator. This comprehensive book guides readers through the role of a SysOps Administrator and helps prepare candidates to take the updated AWS Certified SysOps Administrator—Associate (SOA-C01) Exam. The AWS Certified SysOps Administrator—Associate certification validates technical expertise in deployment, management, and operations on the AWS platform. This Study Guide not only prepares readers for the AWS exam, but it makes sure the reader is ready to perform the duties expected of SysOps Administrators. The book focuses on the skill-set required of AWS professionals by*

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***filling in the gap between test preparation and real-world preparedness. Concepts covered include: Monitoring and Reporting High Availability Deployment and Provisioning Storage and Data Management Security and Compliance Networking Automation and Optimization And More Readers will also have one year of free access to the Sybex interactive online learning environment and test bank, providing a suite of robust study tools including an assessment test, chapter tests, bonus practice exam, electronic flashcards, and a glossary of key terms. And with this edition you also get XtremeLabs virtual labs that run from your browser. The registration code is included with the book and gives you 6 months unlimited access to XtremeLabs AWS Certified SysOps Administrator Labs with 6 unique lab modules based on the book.***

## **[AWS Certified Developer Official Study Guide](#)**

***Learning Amazon Web Services (AWS) is a clear, complete, practical, and hands-on introduction to the world's leading cloud platform -- a perfect resource for everyone who needs to understand AWS, whatever their previous IT background. Top cloud trainer and evangelist Mark Wilkins covers all you need to know to succeed with AWS, introducing each key concept in the context of a book-length case study. He teaches best practices that fully align with Amazon's Well Architected Framework, the basis of all AWS certifications -- making this guide a valuable learning tool for those seeking to demonstrate their expertise by pursuing formal certification. Wilkins introduces new concepts based on how they are presented in the AWS self-service portal, making his coverage even easier to learn from and practice with. Coverage includes: The big picture: What AWS is, how it has evolved, and how it can help you Foundation Core Services: compute, network, storage, and databases Implementing AWS Compute Services and EC2 instances (and understanding their pricing) Enforcing AWS security, compliance, and control Leveraging AWS Networking Services, including VPC, CIDR, DHCP, NAT, Internet gateways, endpoints, and VPNs Utilizing AWS cloud storage and databases Efficiently administering and managing AWS***

## **[AWS Certified Solutions Architect Study Guide with Online Labs](#)**

***Pro PowerShell for Amazon Web Services is written specifically***

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*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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## [AWS Certified Cloud Practitioner Exam Guide](#)

*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*

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**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.**

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**Work through interesting real-life business use cases to uncover valuable insights from unstructured text using AWS AI services Key Features Get to grips with AWS AI services for NLP and find out how to use them to gain strategic insights Run Python code to use Amazon Textract and Amazon Comprehend to accelerate business outcomes Understand how you can integrate human-in-the-loop for custom NLP use cases with Amazon A2I Book Description Natural language processing (NLP) uses machine learning to extract information from unstructured data. This book will help you to move quickly from business questions to high-performance models in production. To start with, you'll understand the importance of NLP in today's business applications and learn the features of Amazon Comprehend and Amazon Textract to build NLP models using Python and Jupyter Notebooks. The book then shows you how to integrate AI in applications for accelerating business outcomes with just a few lines of code. Throughout the book, you'll cover use cases such as smart text search, setting up compliance and controls when processing confidential documents, real-time text analytics, and**

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*much more to understand various NLP scenarios. You'll deploy and monitor scalable NLP models in production for real-time and batch requirements. As you advance, you'll explore strategies for including humans in the loop for different purposes in a document processing workflow. Moreover, you'll learn best practices for auto-scaling your NLP inference for enterprise traffic. Whether you're new to ML or an experienced practitioner, by the end of this NLP book, you'll have the confidence to use AWS AI services to build powerful NLP applications. What you will learn Automate various NLP workflows on AWS to accelerate business outcomes Use Amazon Textract for text, tables, and handwriting recognition from images and PDF files Gain insights from unstructured text in the form of sentiment analysis, topic modeling, and more using Amazon Comprehend Set up end-to-end document processing pipelines to understand the role of humans in the loop Develop NLP-based intelligent search solutions with just a few lines of code Create both real-time and batch document processing pipelines using Python Who this book is for If you're an NLP developer or data scientist looking to get started with AWS AI services to implement various NLP scenarios quickly, this book is for you. It will show you how easy it is to integrate AI in applications with just a few lines of code. A basic understanding of machine learning (ML) concepts is necessary to understand the concepts covered. Experience with Jupyter notebooks and Python will be helpful.*

## [Learn Amazon Web Services - simpleNeasyBook by WAGmob](#)

*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*

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**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 Features that make AWS CodeStar useful for Java 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!**

## **[Natural Language Processing with AWS AI Services](#)**

**"In this Introduction to Cloud Computing with Amazon Web Services training course, expert author Mark Nunnikhoven will teach you about AWS and how to deploy a web application in AWS. This course is designed for the absolute beginner, meaning no experience with Amazon Web Services is required. You will start by learning about AWS specific concepts, then jump into deploying WordPress on AWS. From there, Mark will teach you how to create a strong foundation, including configuring IAM for deployment and setting up CloudTrail. This video tutorial also covers deploying a secure networking configuration, deploying a server, and deploying a relational**

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*database. Finally, you will learn how to implement a backup strategy, such as verifying RDS backups, creating an S3 backup, and optimizing S3 costs with Amazon Glacier. Once you have completed this computer based training course, you will be fully capable of building your own web applications in AWS. Working files are included, allowing you to follow along with the author throughout the lessons."--Resource description page.*

## [Mining Amazon Web Services](#)

*This fast-paced guide will quickly enhance your skills to develop a highly scalable Cloud environment Key Features Efficiently build a highly scalable and reliable cloud environment for your applications with AWS Leverage the various AWS components and services to build a secure, reliable, and robust environment to host your applications on This quick-start guide will quickly enhance your skills to develop highly scalable services Book Description AWS is at the forefront of Cloud Computing today. Businesses are adopting AWS Cloud because of its reliability, versatility, and flexible design. The main focus of this book is teaching you how to build and manage highly reliable and scalable applications and services on AWS. It will provide you with all the necessary skills to design, deploy, and manage your applications and services on the AWS cloud platform. We'll start by exploring Amazon S3, EC2, and so on to get you well-versed with core Amazon services. Moving on, we'll teach you how to design and deploy highly scalable and optimized workloads. You'll also discover easy-to-follow, hands-on steps, tips, and recommendations throughout the book and get to know essential security and troubleshooting concepts. By the end of the book, you'll be able to create a highly secure, fault tolerant, and scalable environment for your applications to run on. What you will learn Find out about IAM to access AWS services securely Explore EC2 (virtual server) and scale up/down your application based on heavy traffic Learn about unlimited data storage service S3 and host a static website within minutes Get to grips with Relational Databases and NoSQL databases under the AWS ecosystem Understand the caching mechanism Get to know about notifications service and monitor AWS services Secure and troubleshoot your AWS architecture Who this book is for This book is for IT professionals and system administrators looking to design, deploy, and manage your applications and services on the AWS cloud platform. It's also ideal for developers looking to build highly scalable cloud-based services. A basic understanding of AWS would be beneficial.*

## **[Host Your Web Site In The Cloud: Amazon Web Services Made Easy](#)**

*Do you want to learn and master amazon web services tools? If yes, then keep reading AWS represents Amazon Web Services. It's a worldwide market pioneer in Infrastructure as a Service (IaaS) and Platform as a Service (PaaS) industry, offering a broad scope of remote cloud services. AWS offers a broad scope of remote cloud services for application improvement like examination, block chain, Artificial Intelligence, and so forth and can help individuals and associations in the advancement and sustainable development of any application. AWS additionally includes the most profound usefulness inside those administrations. For instance, AWS offers the vastest assortment of databases that are reason worked for various sorts of utilizations so you can pick the correct instrument for the activity to get the best cost and execution. This book covers the following topics: - Advantage of Amazon Web Services - Cloud Computing - Amazon Web Services - Getting Started With Amazon Web Services - Machine Learning - Certifications - Migration and Transfer - Networking - Developer Tools - Management Tools - Storing Information In The Cloud - AWS Services - AWS Limitations - Additional Core Services of Amazon Web Services - Amazon Web Services Tips and Tricks AWS has the biggest and most powerful network, with a huge number of dynamic clients and a huge number of accomplices internationally. Clients crosswise over essentially every industry and of each size, including new companies, ventures, and open part associations, are running each comprehensible use case on AWS. AWS is unanimously the most complete and widely accepted platform for the cloud. It offers around fully included services run from various data centers located in different parts of the globe. Tens of millions of consumers, which includes the startups, biggest firms as well as various governments across the globe- all have been shown faith in Amazon. Web Services to empower their infrastructure, make them more agile as well lower the cost of living. Amazon Web Services offers its clients scalable, affordable, and secure hosted cloud-based platforms. These services offer individuals or companies data storage, databases, web-based applications, and content delivery. A cloud-based networking platform offers companies a whole host of affordable solutions that could significantly cut operating costs while not limiting systems growth. AWS offers different packages designed to suit the needs of both their business and*

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*personal clients. AWS is architected to be the most adaptable and secure distributed computing condition accessible today. Our center framework is worked to fulfill the security necessities for the military, worldwide banks, and other high-affectability associations. Ready to get started? Click "Buy Now"!*

## [AWS Certified Solutions Architect Study Guide](#)

*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*

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**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.**

## [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**

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**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.**

## [Aws](#)

**Profit with Amazon Web Services—as a Buyer, Seller, or Independent Developer In a few short years, Amazon has evolved from an online bookstore into a complex marketplace comprised of thousands of vendors, millions of customers, and an ever-widening selection of products. With the launch of Amazon Web Services, buyers and sellers have unprecedented access to the immense body of data underpinning this marketplace. Mining Amazon Web Services: Building Applications with the Amazon API shows you what you can do with these powerful tools, and exactly how to do it. As a buyer, you'll build applications that let you comparison-shop far more effectively, consistently saving money and finding exactly the right product. As a seller, you'll leverage Amazon Web Services in ways that help you attract more customers, make more commissioned referrals, and improve your bottom line. This book is also a great resource for independent developers who want to create and publish—even make money with—applications for others. Here's some of what you'll find covered inside: Performing complex product searches Analyzing the data obtained in your searches Connecting Amazon Web Services to a local database Building a Web Services-based shopping cart Using Amazon-supported search technologies, including XML over HTTP and SOAP Improving speed and reliability Building applications for mobile devices Building and publishing applications for others All that's required is some basic experience with any one of several programming languages, including VBA, Visual Basic 6, Visual C++ 6, Visual Basic .NET, Visual C# .NET, Java, and PHP, all of which are fully represented in the book's downloadable code.**

## [Machine Learning in the AWS Cloud](#)

**Host Your Web Site On The Cloud is your step-by-step guide to this revolutionary approach to hosting and managing your web applications. Cloud computing gives you the tools you need to prepare and cope with a traffic onslaught. You'll have the**

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*confidence to withstand a traffic surge without melting your servers or sending you into bankruptcy. There are a number of ways to use the cloud to host existing applications, build creative new ones, and improve the cost-effectiveness and efficiency of organizations large and small. You'll learn how to: gain a thorough understanding of cloud computing master the fundamentals of Amazon Web Services install and configure visual and command line tools store, retrieve, and distribute data quickly and easily build applications that scale manage the monitoring, load balancing, and scaling capabilities of cloud computing As a developer, you need room & flexibility to be innovative. Why waste time worrying about the technical aspects of server capacity? AWS handles security, load balancing, and server resources virtually so you're not restricted to one physical server.*

## [Learning Amazon Web Services](#)

*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*

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***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.***

## **[AWS - Amazon Web Service](#)**

***Quickstart guide for AWS: Amazon Web Services AWS is an incredibly versatile and powerful cloud service, but only if you know how to use it! Need to learn AWS fast? Amazon Web Services is a cloud service that can be used to for building, testing, and managing applications and services through a network of servers managed by Amazon in various locations all over the world. When you understand how to use Amazon Web Services, you unlock a world of computing power and possibilities. Get the most out of AWS simply by following the easy instructions fully explained inside this guide. It doesn***

## **[Amazon Web Services Machine Learning Essential Training](#)**

***Learn about patterns, services, processes, and best practices for designing and implementing machine learning using Amazon Web Services.***

## **[Learning Amazon Web Services \(AWS\)](#)**

***Start your AWS data engineering journey with this easy-to-follow, hands-on guide and get to grips with foundational concepts through to building data engineering pipelines using AWS Key Features Learn about common data architectures and modern approaches to generating value from big data Explore AWS tools for ingesting, transforming, and consuming data, and for orchestrating pipelines Learn how to architect and implement data lakes and data lakehouses for big data analytics Book Description Knowing how to architect and implement complex data pipelines is a highly sought-after skill. Data engineers are responsible for building these pipelines that ingest, transform, and join raw datasets - creating new value from the data in the process. Amazon Web Services (AWS) offers***

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*a range of tools to simplify a data engineer's job, making it the preferred platform for performing data engineering tasks. This book will take you through the services and the skills you need to architect and implement data pipelines on AWS. You'll begin by reviewing important data engineering concepts and some of the core AWS services that form a part of the data engineer's toolkit. You'll then architect a data pipeline, review raw data sources, transform the data, and learn how the transformed data is used by various data consumers. The book also teaches you about populating data marts and data warehouses along with how a data lakehouse fits into the picture. Later, you'll be introduced to AWS tools for analyzing data, including those for ad-hoc SQL queries and creating visualizations. In the final chapters, you'll understand how the power of machine learning and artificial intelligence can be used to draw new insights from data. By the end of this AWS book, you'll be able to carry out data engineering tasks and implement a data pipeline on AWS independently. What you will learn Understand data engineering concepts and emerging technologies Ingest streaming data with Amazon Kinesis Data Firehose Optimize, denormalize, and join datasets with AWS Glue Studio Use Amazon S3 events to trigger a Lambda process to transform a file Run complex SQL queries on data lake data using Amazon Athena Load data into a Redshift data warehouse and run queries Create a visualization of your data using Amazon QuickSight Extract sentiment data from a dataset using Amazon Comprehend Who this book is for This book is for data engineers, data analysts, and data architects who are new to AWS and looking to extend their skills to the AWS cloud. Anyone who is new to data engineering and wants to learn about the foundational concepts while gaining practical experience with common data engineering services on AWS will also find this book useful. A basic understanding of big data-related topics and Python coding will help you get the most out of this book but is not needed. Familiarity with the AWS console and core services is also useful but not necessary.*

## [Pro PowerShell for Amazon Web Services](#)

*Discover the infinite world of Amazon Web Services (AWS) and become a master of cloud computing! Amazon Web Services is the world's most comprehensive and broadly adopted cloud platform. That is why millions of people, developing startups, corporations, and even government agencies use 175 features on an everyday basis. If AWS sounds like a must-have tool, you are right, but how about learning how to use this universal*

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***platform? Don't worry, we have figured it out for you with "AWS: The Ultimate Step-by-Step Guide from Beginners to Advanced for Amazon Web Services". This comprehensive volume can teach you everything from the basis of AWS to more advanced functions, so you can ace this cloud platform and get the security and innovation you deserve. Written by top experts in cloud computing and AWS, this easy-to-follow guide is great for getting a grasp at what Amazon Web Services can do for you, as well as how to master this new and improved cloud platform. What can you learn with this AWS handbook? You will start your journey by understanding what AWS and what it can really do for you and your business. Afterward, you will get a short and comprehensive background of how this cloud platform was born and its history. Learning the first steps of AWS is going to be simple once you have a view of what cloud computing is and what are the main benefits of AWS. Now that you have acquired the basic knowledge, you can move on to the more advanced steps: learning about service development for website owners, AWS storage devices, big data and notification services, security, database, and cost management. With this book, you can: Improve your knowledge about cloud systems and data analysis Get a handle on the basic concepts of AWS Make it easier to work with the 175 features of the AWS platform Learn about the myths surrounding AWS that you should stop and get the real facts instead Understand why knowing about cloud computing is a real asset for you and your company Learn how AWS was born and developed by the experts behind it Discover some of the weaknesses of the system and how to make them work in your advantage Understand why the feature of cloud computing for the big players lies in Amazon Elastic Compute Clouding Learn the role of AWS in advanced systems and innovative ideas such as big data, machine learning, and AI Become a better professional that can help you advance in your career or grow your business Enjoy a secured database system that will never fail you or your company Learn how to use platform available in almost any region of the world, with no compromises on location Experience innovative ideas and become a highly skilled professional! And much more! Still having doubts? Don't worry, this book is easy to follow and will thoroughly explain every concept in a simple way that is easy to understand by everyone. Don't hesitate and start your AWS learning journey NOW! ☐ Click Buy Now With 1-Click or Buy Now to get started***

**[Aws: Amazon Web Services Tutorial for Beginners](#)**

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***Develop proficiency in AWS technologies and validate your skills by becoming an AWS Certified Cloud Practitioner Key Features: Develop the skills to design highly available and fault-tolerant solutions in the cloud Learn how to adopt best-practice security measures in your cloud applications Achieve credibility through industry-recognized AWS Cloud Practitioner certification Book 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 Learn: Create an AWS account to access AWS cloud services in a secure and isolated environment Understand identity and access management (IAM), encryption, and multifactor authentication (MFA) protection Configure multifactor authentication for your IAM accounts Configure AWS services such as EC2, ECS, Lambda, VPCs, and Route53 Explore various storage and database services such as S3, EBS, and Amazon RDS Study the fundamentals of modern application design to shift from a monolithic to microservices architecture Design highly available solutions with decoupling ingrained in your design architecture Who 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***

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*with this book, since it covers core IT fundamentals from the ground up.*

## **Amazon Web Services**

*Summary Learn Amazon Web Services in a Month of Lunches guides you through the process of building a robust and secure web application using the core AWS services you really need to know. You'll be amazed by how much you can accomplish with AWS! Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Cloud computing has transformed the way we build and deliver software. With the Amazon Web Services cloud platform, you can trade expensive glass room hardware and custom infrastructure for virtual servers and easy-to-configure storage, security, and networking services. Better, because you don't own the hardware, you only pay for the computing power you need! Just learn a few key ideas and techniques and you can have applications up and running in AWS in minutes. About the Book Learn Amazon Web Services in a Month of Lunches gets you started with AWS fast. In just 21 bite-size lessons, you'll learn the concepts and practical techniques you need to deploy and manage applications. You'll learn by doing real-world labs that guide you from the core AWS tool set through setting up security and storage and planning for growth. You'll even deploy a public-facing application that's highly available, scalable, and load balanced. What's Inside First steps with AWS - no experience required Deploy web apps using EC2, RDS, S3, and Route 53 Cheap and fast system backups Setting up cloud automation About the Reader If you know your way around Windows or Linux and have a basic idea of how web applications work, you're ready to start using AWS. About the Author David Clinton is a system administrator, teacher, and writer. He has administered, written about, and created training materials for many important technology subjects including Linux systems, cloud computing (AWS in particular), and container technologies like Docker. Many of his video training courses can be found on Pluralsight.com, and links to his other books (on Linux administration and server virtualization) can be found at <https://bootstrap-it.com>. Table of Contents Before you begin PART 1 - THE CORE AWS TOOLS The 10-minute EC2 web server Provisioning a more robust EC2 website Databases on AWS DNS: whatâ€™s in a name? S3: cheap, fast file storage S3: cheap, fast system backups AWS security: working with IAM users, groups, and roles Managing growth Pushing back against the chaos:*

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*using resource tags CloudWatch: monitoring AWS resources for fun and profit Another way to play: the command-line interface PART 2 - THE AWS POWER USER: OPTIMIZING YOUR INFRASTRUCTURE Keeping ahead of user demand High availability: working with AWS networking tools High availability: load balancing High availability: auto scaling High availability: content-delivery networks PART 3 - FOOD FOR THOUGHT: WHAT ELSE CAN AWS DO FOR YOU? Building hybrid infrastructure Cloud automation: working with Elastic Beanstalk, Docker, and Lambda Everything else (nearly) Never the end*

## [Hands-On Artificial Intelligence on Amazon Web Services](#)

*Everything you need to know for the Solutions Architect - Associate Exam, fully updated The AWS Certified Solutions Architect Study Guide: Associate (SAA-C01) Exam is your complete and fully updated resource to the AWS Solutions Architect - Associate certification. This invaluable Sybex study guide covers all relevant aspects of the AWS Solutions Architect job role, including mapping multi-tier architectures to AWS services, loose coupling and stateless systems, applying AWS security features, deploying and managing services, designing large scale distributed systems, and many more. Written by two AWS subject-matter experts, this self-study guide and reference provides all the tools and information necessary to master the exam, earn your certification, and gain insights into the job of an AWS Solutions Architect. Efficient and logical presentation of exam objectives allows for flexible study of topics, and powerful learning tools increase comprehension and retention of key exam elements. Practice questions, chapter reviews, and detailed examination of essential concepts fully prepare you for the AWS Solutions Architect - Associate certification. The certification is highly valued in IT and cloud computing professionals. Now in a new edition—reflecting the latest changes, additions, and updates to the AWS Solutions Architect - Associate certification exam guide—this book is your complete, one-stop resource: Access the Sybex interactive learning environment and test bank, including chapter tests, practice exams, electronic flashcards, and a searchable glossary of key terms. Learn all the components of the AWS exam and know what to expect on exam day Review challenging exam topics and focus on the areas that need improvement Expand your AWS*

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*skillset and keep pace with current cloud computing technologies The AWS Certified Solutions Architect Study Guide: Associate (SAA-C01) Exam enables you to validate your skills, increase your competitive advantage, and take the next step on your career path. Comprehensive and up-to-date content and superior study tools make this guide a must-have resource for those seeking AWS Solutions Architect - Associate certification.*

## [AWS Certified Cloud Practitioner Study Guide](#)

*Develop, deploy, and integrate web applications with AWS About This Video Get to grips with implementing your organization's security policies within AWS. Learn to develop high-performance web applications in the real world using AWS. An all-inclusive guide that will get you up-to-speed with building and managing applications on the AWS platform In Detail Whether you're looking for compute power, database storage, content delivery, or other functionality, AWS has the services to help you build advanced applications with increased flexibility, scalability, and reliability. The Getting Started with Amazon Web Services" video course is designed to provide you with AWS basics and fundamentals. The course covers many aspects of AWS. You will master the essential concepts of the AWS platform and the AWS Management Console. Furthermore, you will be introduced to the security measures provided by AWS using AWS Identity and Access Management (IAM). This course will allow you to cover the foundational services of AWS, including the Computing, Networking, and Storage services of AWS. Finally, you will be able to scale and manage your infrastructure using different management tools. When you've finished this course, you will have experience working with AWS services that will help you as you work on your own applications.*

## [Learn Amazon Web Services in a Month of Lunches](#)

*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*

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**Services. Part One introduces readers to fundamental machine learning concepts. You will learn about the types of ML systems, how they are used, and challenges you may face with ML solutions. Part Two focuses on machine learning services provided by Amazon Web Services. You'll be introduced to the basics of cloud computing and AWS offerings in the cloud-based machine learning space. Then you'll learn to use Amazon Machine Learning to solve a simpler class of machine learning problems, and Amazon SageMaker to solve more complex problems.**

- Learn techniques that allow you to preprocess data, basic feature engineering, visualizing data, and model building
- Discover common neural network frameworks with Amazon SageMaker
- Solve computer vision problems with Amazon Rekognition
- Benefit from illustrations, source code examples, and sidebars in each chapter

The book appeals to both Python developers and technical/solution architects. Developers will find concrete examples that show them how to perform common ML tasks with Python on AWS. Technical/solution architects will find useful information on the machine learning capabilities of the AWS ecosystem.

## **AMAZON WEB SERVICES (aws)**

**AWS (Amazon Web Services) is a comprehensive, evolving cloud computing platform provided by Amazon that includes a mixture of infrastructure as a service (IaaS), platform as a service (PaaS) and packaged software as a service (SaaS) offerings. AWS services can offer an organization tools such as compute power, database storage and content delivery services. Here are the main parts of the book: Basics of Client-Server Technology The Communication Networks Domain Names Overview of AWS EC2 Overview of AWS S3 Overview of AWS LightSail Overview of AWS Lambda Use of Amazon Web Services How to Developing a Virtual Infrastructure How to Securing Your Network How to Storing Information in the Cloud And much more**

## **Learning Amazon Web Services (AWS)**

**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**

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*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.*

## [Data Engineering with AWS](#)

*Looking to get to know about Amazon cloud services The book encompasses what exactly is an Amazon cloud architecture, along with what are possible web services that Amazon cloud hold. It further elaborates on the highlights on companies that have used AWS designing and have benefitted from it. There are numerous Amazon Web Services that range in compute service, migration, storage, database, and security. It goes deeper into*

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*how analytics and management techniques can be used in the Amazon cloud, which we can benefit from. Artificial intelligence and IoT are two key players in the web services role. However, customer engagement in the cloud has always been on the forefront as a virtual reality of games, and their development is done on a vast scale. Lastly, it describes the AWS best practices that can be used within companies and get benefited from. It also elaborates on the deployment and management of how actively and efficiently cloud can be handled and configured. Book sums up with all the amazon web services, with highlights on their types, pros, and cons, and engaging further on how the future will be with cloud computing. In this book, you will learn: What is cloud computing AWS using computer science AWS using analytics AWS using customer engagement Best practices of AWS Future of AWS So, don't wait and grasp your copy now !*

## [Aws](#)

*Swiftly build and deploy machine learning models without managing infrastructure and boost productivity using the latest Amazon SageMaker capabilities such as Studio, Autopilot, Data Wrangler, Pipelines, and Feature Store Key Features Build, train, and deploy machine learning models quickly using Amazon SageMaker Optimize the accuracy, cost, and fairness of your models Create and automate end-to-end machine learning workflows on Amazon Web Services (AWS) Book Description Amazon SageMaker enables you to quickly build, train, and deploy machine learning models at scale without managing any infrastructure. It helps you focus on the machine learning problem at hand and deploy high-quality models by eliminating the heavy lifting typically involved in each step of the ML process. This second edition will help data scientists and ML developers to explore new features such as SageMaker Data Wrangler, Pipelines, Clarify, Feature Store, and much more. You'll start by learning how to use various capabilities of SageMaker as a single toolset to solve ML challenges and progress to cover features such as AutoML, built-in algorithms and frameworks, and writing your own code and algorithms to build ML models. The book will then show you how to integrate Amazon SageMaker with popular deep learning libraries, such as TensorFlow and PyTorch, to extend the capabilities of existing models. You'll also see how automating your workflows can help you get to production faster with minimum effort and at a lower cost. Finally, you'll explore SageMaker Debugger and SageMaker Model Monitor to detect quality issues in training*

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**and production. By the end of this Amazon book, you'll be able to use Amazon SageMaker on the full spectrum of ML workflows, from experimentation, training, and monitoring to scaling, deployment, and automation. What you will learn**  
**Become well-versed with data annotation and preparation techniques Use AutoML features to build and train machine learning models with AutoPilot Create models using built-in algorithms and frameworks and your own code Train computer vision and natural language processing (NLP) models using real-world examples Cover training techniques for scaling, model optimization, model debugging, and cost optimization Automate deployment tasks in a variety of configurations using SDK and several automation tools Who this book is for This book is for software engineers, machine learning developers, data scientists, and AWS users who are new to using Amazon SageMaker and want to build high-quality machine learning models without worrying about infrastructure. Knowledge of AWS basics is required to grasp the concepts covered in this book more effectively. A solid understanding of machine learning concepts and the Python programming language will also be beneficial.**

## [Learn Amazon SageMaker](#)

**Are you looking for a low-cost, scalable, and highly reliable infrastructure platform in the cloud to boost your business? If yes then you are in the right place! If you've lately come across Amazon Web Services as a cloud computing solution, perhaps the reason you're reading this is to know what it is, what it does, how it operates, how it can be of use to you, how to begin using it, the consequences of adoption, and more. Lucky for you, this book is all about this and much more. Commonly known as cloud computing nowadays, web services in the form of IT infrastructure services began to be offered by Amazon in 2004 for public use. AWS cloud computing provides a low-cost, scalable, and highly reliable infrastructure platform in the cloud. This has been adopted by thousands of businesses globally. At present, its regions include locations like Asia Pacific, European Union, North America, South America, Canada, China, etc. WHY SHOULD YOUR BUSINESS NEED AWS TOO? There are 4 reasons at least: -Security: To ensure the safety and integrity of your data, Amazon's data centers and services have several layers of physical and operational security. -Cost Effectiveness: You have to pay only for as much as you use. No upfront investment is required. -Flexibility: You can select**

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***the programming model or development platform that can be the most beneficial for your business. -Scalability: You can quickly scale up or scale down on the basis of demand. This book covers the basics of an end-user (maybe a business owner or business executive) who cares less about the technical aspects of its implementation to help you make an informed decision that understands what makes it different from all other cloud service providers out there. It goes deep and wide, answering almost every question you may have about AWS from different angles to give you an in-depth understanding of why AWS is perhaps considered to be the most flexible, highly scalable, cost-effective and reliable infrastructure you can use to deploy secure web solutions with minimal support whatever your requirements! What You Will Learn: Why cloud computing is the way to get any business, whatever its size, to a worldwide scale Detailed understanding of AWS features that make it stand out from the rest Myths about AWS that you should stop accepting as true Fundamental building blocks in the AWS environment that make it a flawless solution to implement How to rely on AWS can transform your company for the better The weaknesses of AWS that you need to be conscious of before you adopt it Optional AWS support services that you can use to enhance user experience Put Your Feet Into The Realm Of Amazon Web Services (AWS) To Know A Limitless Sea Of Possibilities! Scroll up, click on "Buy Now" and Start Scaling Your Business!***

## **[Amazon Web Services Made Simple](#)**

***AWS Amazon Web Services. Beginners Guide. The Ultimate Tutorial Many of us might've heard of Amazon web services. When we think of it, we probably don't even realize the significance of a web development service such as this. Many don't even realize how this can help others, because we all think, hey it's owned by Amazon. Why would we care? Well, AWS is the future of data management and security, and there is so much that you can do with this. It's saved people so much money already, that's it's changing the future of development not just for businesses, but for those who are big as well, giving them more to work with than ever before. We don't even realize how much this can help us, but many are achieving the benefits of AWS certified already through the use of these web services. Many have learned to invest in data security and software that will help protect their data, and what's more amazing about this, is that it's so similar to competitive software, but at a fraction of***

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***the price. In this book, you'll learn the following about AWS: What it is How it's benefited so many people already Why you should care about amazon web services and what to do with it Different web development applications Different web development applications Coding software and applications that can help you Different ways it can help with big data Different AWS service software How each of these different pieces of development software are about to help you When it comes to the future of web services, AWS is one of the best ways to go about dealing with this. You'll be amazed by the difference that this indeed does make, and some of the different ways that you can, as a person who uses web development, or even mobile development or IT, get the benefits from this. AWS is changing the way we handle data big and small, and if you're looking for a way to get the full benefits out of data security and management, with software that you can trust, then this is ultimately the way to go, and the way that you should be doing this. Download your copy of " AWS " by scrolling up and clicking "Buy Now With 1-Click" button.***

## **Aws**

***Foreword by Werner Vogels, Vice President and Corporate Technology Officer, Amazon The AWS exam has been updated. Your study guide should be, too. The AWS Certified Developer Official Study Guide-Associate Exam is your ultimate preparation resource for the latest exam! Covering all exam objectives, this invaluable resource puts a team of AWS experts at your side with expert guidance, clear explanations, and the wisdom of experience with AWS best practices. You'll master core services and basic architecture, and equip yourself to develop, deploy, and debug cloud-based applications using AWS. The AWS Developer certification is earned by those who demonstrate the technical knowledge and skill associated with best practices for building secure, reliable cloud-based applications using AWS technology. This book is your official exam prep companion, providing everything you need to know to pass with flying colors. Study the AWS Certified Developer Exam objectives Gain expert insight on core AWS services and best practices Test your understanding of key concepts with challenging chapter questions Access online study tools including electronic flashcards, a searchable glossary, practice exams, and more Cloud computing offers businesses the opportunity to replace up-front capital infrastructure expenses with low, variable costs that scale as they grow. This customized***

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*responsiveness has negated the need for far-future infrastructure planning, putting thousands of servers at their disposal as needed—and businesses have responded, propelling AWS to the number-one spot among cloud service providers. Now these businesses need qualified AWS developers, and the AWS certification validates the exact skills and knowledge they're looking for. When you're ready to get serious about your cloud credentials, the AWS Certified Developer Official Study Guide-Associate Exam is the resource you need to pass the exam with flying colors. NOTE: As of October 7, 2019, the accompanying code for hands-on exercises in the book is available for downloading from the secure Resources area in the online test bank. You'll find code for Chapters 1, 2, 11, and 12.*

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