

## *Aws Aws Technical Essentials Learn It*

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

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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.

Everything You Need to Know to Qualify AWS Exams

Do you want to become Amazon Web Services

Certified? Do you want to uplift your career by passing

AWS certifications? If you answered "yes" to any of these,

then this is the perfect, educational and informational

book for you! Hello! Welcome to "ALL IN ONE AWS

Certified". Amazon Web Services (AWS) is now the leader

in the world of information technology. With an

increasing global interest in leveraging cloud

infrastructure, the AWS Cloud from Amazon offers a

cutting-edge platform for architecting, building, and

deploying web-scale cloud applications. Amazon Web

Services (AWS) Certification is fast becoming the must-

have certificates for any IT professional working with

AWS. This is your opportunity to take the next step in

your career by expanding and validating your skills

through AWS certifications This guide is what you need

for comprehensive content and robust study tools that will

help you gain the edge on exam day and throughout your

career. Amazon Web Services (AWS) Certification is fast

becoming the must-have certificates for any IT

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professional working with AWS. Comprehensive and up-to-date content and excellent study tools make this guide a must-have resource for those seeking AWS certifications.

This guide is designed to help you pass the exam with ease. This definitive volume also serves as an essential on-the-job reference Here's what makes this book special:

Explore AWS terminology and identity and access management Become Intimately Familiar with The AWS Platform Detailed explanation of answers 100% verified

answers and explanations to each question By the end of this book you will be prepared to take the AWS Exams

Finishing this book will provide you a complete

understanding and deep knowledge of all the tools Much, much more! Interested? Then Scroll up, Click on "Buy

now with 1-Click", and Get Your Copy Now! Also you will get a 50% discount on the simulator!

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 systems, how they are used, and challenges you may face with ML solutions. Part

Two focuses on machine learning services provided by

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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.

Explore the modern market of data analytics platforms and the benefits of using Snowflake computing, the data warehouse built for the cloud. With the rise of cloud technologies, organizations prefer to deploy their analytics using cloud providers such as Amazon Web Services (AWS), Microsoft Azure, or Google Cloud Platform. Cloud vendors are offering modern data platforms for building cloud analytics solutions to collect data and consolidate into single storage solutions that provide insights for business users. The core of any analytics framework is the data warehouse, and previously

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customers did not have many choices of platform to use. Snowflake was built specifically for the cloud and it is a true game changer for the analytics market. This book will help onboard you to Snowflake, present best practices to deploy, and use the Snowflake data warehouse. In addition, it covers modern analytics architecture and use cases. It provides use cases of integration with leading analytics software such as Matillion ETL, Tableau, and Databricks. Finally, it covers migration scenarios for on-premise legacy data warehouses. What You Will Learn Know the key functionalities of Snowflake Set up security and access with cluster Bulk load data into Snowflake using the COPY command Migrate from a legacy data warehouse to Snowflake integrate the Snowflake data platform with modern business intelligence (BI) and data integration tools Who This Book Is For Those working with data warehouse and business intelligence (BI) technologies, and existing and potential Snowflake users Associate SAA-C02 Exam

Jumpstart Snowflake

AWS Certified SysOps Administrator Official Study Guide

AWS Certified Advanced Networking Official Study Guide

AWS Certified Solutions Architect Study Guide

Amazon Web Services. The Ultimate Tutorial For Beginners. A Complete Guide From Beginners To Advanced

AWS Certified Cloud Practitioner Study Guide with

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## Online Labs

Get to grips with the essentials of deep learning by leveraging the power of Python

**Key Features** Your one-stop solution to get started with the essentials of deep learning and neural network modeling Train different kinds of neural networks to tackle various problems in Natural Language Processing, computer vision, speech recognition, and more Covers popular Python libraries such as Tensorflow, Keras, and more, along with tips on training, deploying and optimizing your deep learning models in the best possible manner

**Book Description** Deep Learning a trending topic in the field of Artificial Intelligence today and can be considered to be an advanced form of machine learning, which is quite tricky to master. This book will help you take your first steps in training efficient deep learning models and applying them in various practical scenarios. You will model, train, and deploy different kinds of neural networks such as Convolutional Neural Network, Recurrent Neural Network, and will see some of their applications in real-world domains including computer vision, natural language processing, speech recognition, and so on. You will build practical projects such as chatbots,

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implement reinforcement learning to build smart games, and develop expert systems for image captioning and processing. Popular Python library such as TensorFlow is used in this book to build the models. This book also covers solutions for different problems you might come across while training models, such as noisy datasets, small datasets, and more. This book does not assume any prior knowledge of deep learning. By the end of this book, you will have a firm understanding of the basics of deep learning and neural network modeling, along with their practical applications. What you will learn

- Get to grips with the core concepts of deep learning and neural networks
- Set up deep learning library such as TensorFlow
- Fine-tune your deep learning models for NLP and Computer Vision applications
- Unify different information sources, such as images, text, and speech through deep learning
- Optimize and fine-tune your deep learning models for better performance
- Train a deep reinforcement learning model that plays a game better than humans
- Learn how to make your models get the best out of your GPU or CPU

Who this book is for

Aspiring data scientists and machine learning experts who have limited or no exposure to deep learning will find this

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book to be very useful. If you are looking for a resource that gets you up and running with the fundamentals of deep learning and neural networks, this book is for you. As the models in the book are trained using the popular Python-based libraries such as Tensorflow and Keras, it would be useful to have sound programming knowledge of Python.

Stand out as an expert by earning a highly desirable certification in a widely used platform Hone your skills and gain new insights into AWS whether you work in a technical, management, sales, purchasing or finance 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, glossary of key terms and electronic flashcards The Study Guide for AWS Certified Cloud Practitioner is essential reading for any IT professional or other fields working directly with AWS, for future graduates studying in those areas, or for anyone who

wishes. **UNDERSTANDING AWS HISTORY OF AMAZON WEB SERVICES BENEFITS OF AWS MYTHS ABOUT AMAZON WEB SERVICES AMAZON WEB SERVICES**



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DEVELOPMENT TOOLS AND APPLICATION SERVICES  
CLOUD COMPUTING  
CLOUD STORAGE  
RELATIONAL DATABASE  
AWS

LIMITATION  
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.

The AWS Certified Solutions Architect Associate certification demonstrates your expertise in architecting and deploying secure and robust applications on the leading cloud platform in the world, Amazon Web Services. Designed for all AWS Certified Solutions Architect Associate candidates, the AWS Certified Solutions Architect -- Associate (SAA-CO2) Cert Guide covers every exam objective concisely and logically, with proven study features that enable students to succeed on the exam the first time. Expert author and trainer Mark Wilkins shares preparation hints and test-taking tips, helping to identify areas of weakness and improve both conceptual knowledge and hands-on skills. This complete study package provides a test-preparation routine proven to help students pass the

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exams, including quizzes, cheat sheets, a study plan, and hundreds of exam-realistic questions.

The official study guide for the AWS certification specialty exam The AWS Certified Advanced Networking Official Study Guide – Specialty Exam helps to ensure your preparation for the AWS Certified Advanced Networking – Specialty Exam. Expert review of AWS fundamentals align with the exam objectives, and detailed explanations of key exam topics merge with real-world scenarios to help you build the robust knowledge base you need to succeed on the exam—and in the field as an AWS Certified Networking specialist. Coverage includes the design, implementation, and deployment of cloud-based solutions; core AWS services implementation and knowledge of architectural best practices; AWS service architecture design and maintenance; networking automation; and more. You also get one year of free access to Sybex's online interactive learning environment and study tools, which features flashcards, a glossary, chapter tests, practice exams, and a test bank to help you track your progress and gauge your readiness as exam day grows near. The AWS credential validates your skills

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surrounding AWS and hybrid IT network architectures at scale. The exam assumes existing competency with advanced networking tasks, and assesses your ability to apply deep technical knowledge to the design and implementation of AWS services. This book provides comprehensive review and extensive opportunities for practice, so you can polish your skills and approach exam day with confidence. Study key exam essentials with expert insight Understand how AWS skills translate to real-world solutions Test your knowledge with challenging review questions Access online study tools, chapter tests, practice exams, and more Technical expertise in cloud computing, using AWS, is in high demand, and the AWS certification shows employers that you have the knowledge and skills needed to deliver practical, forward-looking cloud-based solutions. The AWS Certified Advanced Networking Official Study Guide – Specialty Exam helps you learn what you need to take this next big step for your career.

Associate Exam Preparation [Amazon Web Services]

Add Intelligence to Applications with Amazon SageMaker and Amazon Rekognition Associate SOA-C01

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## AWS Certified

A Guide to Building, Training, and Deploying Machine Learning Models for Developers and Data Scientists

Learn the Secrets to Passing the Aws Exams and Getting All the Certifications Real and Unique Practice Test Included

Machine Learning in the AWS Cloud

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

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only prepares readers for the AWS exam, but it makes sure the reader is ready to perform the duties expected of SysOps Administrators. The book focuses on the skill-set required of AWS professionals by filling in the gap between test preparation and real-world preparedness. Concepts covered include: Monitoring and Reporting High Availability Deployment and Provisioning Storage and Data Management Security and Compliance Networking Automation and Optimization And More Readers will also have one year of free access to the Sybex interactive online learning environment and test bank, providing a suite of robust study tools including an assessment test, chapter tests, bonus practice exam, electronic flashcards, and a glossary of key terms. And included with this version of the book, XtremeLabs virtual labs that run from your browser. The registration code is included with the book and gives you 6 months unlimited access to XtremeLabs AWS Certified SysOps Administrator Labs with 6 unique lab modules based on the book. You Are 1-Click Away From Learning How To Ace The Highest Paying AWS Certification, AWS Certified Solutions Architect Certification And Put What You Learn Into Real-Life Use To Develop And Deploy Robust

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And Secure Applications On AWS! With an average annual salary of over \$130,000 as at 2019, being an AWS Certified Solutions Architect does provide opportunities that few IT certifications can. By virtue that you are reading this, it is clear that you are looking to become Amazon Web Services Certified and are looking for everything you can get to pass the certification exam. Where do you begin? What you need to learn AWS Solutions Architect? What does it take to pass the certification exams? In addition to passing the exams, how do you gather the necessary practical skills and knowledge to be able to develop and deploy robust and secure applications on AWS technologies? If you have these and other related questions, this book is for you so keep reading, as it covers the ins and outs of AWS Solutions Architect Certification using a simple, step by step approach that will help you to put what you learn into practice. More precisely, the book will teach you: The basics of cloud computing and virtualization, including the place of AWS, cloud computing, cloud computing optimization, cloud computing architecture, scalability, elasticity, cost management, the AWS cloud, AWS platform architecture, the AWS service level agreement and technical

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support and online resources and support plans Everything you need to know about compute cloud and amazon elastic block store, practices used to completely use the intensity of the EC2 environment and how to configure an environment for your instance How to provision an EC2 instance with the right hardware, including configuring the right base operating system for your application needs, building a secure network environment, choosing the best EC2 instance, choosing the right storage drive, securing your EC2, the exam essentials and accessing your instance as an administrator The ins and outs of the Amazon Simple Storage Service and Amazon glacier storage and the exam essentials And much more The truth is that AWS Certified Solutions Architect Certification and practice has a steep learning curve but lucky for you, this book offers the newest and best approach to learning AWS and passing the necessary certification exams. Whether you are new to AWS or you've been working with it, this book will help you find your shortcomings on AWS and develop the right skills that will not only help you pass exams but also put what you learn into real life use. Are you ready to start your journey to getting the highest paying AWS

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certification? If you are, Just scroll up and click Buy Now With 1-Click or Buy Now to get started today!

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,



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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. 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

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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

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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

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on a rewarding career in cloud computing. No previous IT experience is essential to get started with this book, since it covers core IT fundamentals from the ground up.

Cloud Practitioner Study Guide Amazon Web Service Development Tools And Application Service, Cloud Computing, Cloud Storage AWS Essentials and Solutions Architect Associate

Associate SAA-C01 Exam

Learn Amazon SageMaker - Second Edition AWS Certified Cloud Practitioner Study Guide

AWS Cloud Practitioner Exam Practice

Questions and dumps with explanations Exam CLF-C01

AWS Certified SysOps Administrator Study Guide

This book is for anyone interested in Serverless, regardless their technical level. I share strategic insights for entrepreneurs and executives, planning and team insights for project managers, and technical insights for architects and team leads. The intent is to provide a deep but relevant understanding of Serverless Architecture and how it could impact your business and your projects.

AWS Certifications are industry-recognized credentials that validate your technical cloud skills and expertise while assisting in your career growth. These are one of the most valuable IT certifications right now since AWS has established an overwhelming lead in the public cloud market.

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Even with the presence of several tough competitors such as Microsoft Azure, Google Cloud Engine, and Rackspace, AWS is by far the dominant public cloud platform today, with an astounding collection of proprietary services that continues to grow. The AWS Certified Cloud Practitioner (CLF-CO1) examination is intended for individuals who have the knowledge and skills necessary to effectively demonstrate an overall understanding of the AWS Cloud, independent of specific technical roles addressed by other AWS certifications (e.g., Solutions Architect - Associate, Developer - Associate, or SysOps Administrator - Associate). The certification will provide you a high level overview on what the AWS Cloud is all about. The exam covers four domains, including AWS core services, cloud concepts, security aspects, pricing and support services. AWS Certified Cloud Practitioner is a new entry-level certification and enables individuals to validate their knowledge of the AWS Cloud with an industry-recognized credential. This certification exam validates your ability to define and identify:

- AWS Cloud and its basic global infrastructure
- AWS Cloud architectural principles
- AWS Cloud value proposition
- Key services on the AWS platform and their common use cases (example, compute and analytics)
- Basic security and compliance aspects of the AWS platform and the shared security model
- Billing, account management, and pricing models
- Sources of documentation or technical assistance (example, whitepapers or support tickets)
- Basic and core characteristics of deploying and operating in the AWS Cloud

Succeed on the AWS Machine Learning exam or in your next job as a machine learning specialist on the AWS Cloud

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platform with this hands-on guide As the most popular cloud service in the world today, Amazon Web Services offers a wide range of opportunities for those interested in the development and deployment of artificial intelligence and machine learning business solutions. The AWS Certified Machine Learning Study Guide: Specialty (MLS-CO1) Exam delivers hyper-focused, authoritative instruction for anyone considering the pursuit of the prestigious Amazon Web Services Machine Learning certification or a new career as a machine learning specialist working within the AWS architecture. From exam to interview to your first day on the job, this study guide provides the domain-by-domain specific knowledge you need to build, train, tune, and deploy machine learning models with the AWS Cloud. And with the practice exams and assessments, electronic flashcards, and supplementary online resources that accompany this Study Guide, you'll be prepared for success in every subject area covered by the exam. You'll also find: An intuitive and organized layout perfect for anyone taking the exam for the first time or seasoned professionals seeking a refresher on machine learning on the AWS Cloud Authoritative instruction on a widely recognized certification that unlocks countless career opportunities in machine learning and data science Access to the Sybex online learning resources and test bank, with chapter review questions, a full-length practice exam, hundreds of electronic flashcards, and a glossary of key terms AWS Certified Machine Learning Study Guide: Specialty (MLS-CO1) Exam is an indispensable guide for anyone seeking to prepare themselves for success on the AWS Certified Machine Learning Specialty exam or for a job interview in the field of

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machine learning, or who wishes to improve their skills in the field as they pursue a career in AWS machine learning. From Absolute Beginner to Expert. The Ultimate Step-by-Step Guide to Understanding and Learning Amazon Web Services Effortlessly. (2020 Edition)

With Practice Labs: By IPSpecialist

100+ Questions for AWS Cloud Practioner updated 2020

A guide to building, training, and deploying machine learning models for developers and data scientists

Specialty (MLS-CO1) Exam

AWS Certified Solutions Architect - Associate (SAA-CO2) Cert Guide

Learning Amazon Web Services (AWS)

Validate your AWS skills. This is your opportunity to take the next step in your career by expanding and validating your skills on the AWS cloud. AWS has been the frontrunner in cloud computing products and services, and the AWS Certified Solutions Architect Official Study Guide for the Associate exam will get you fully prepared through expert content, and real-world knowledge, key exam essentials, chapter review questions, access to Sybex's interactive online learning environment, and much more. This official study guide, written by AWS experts, covers exam concepts, and provides key review on exam topics, including:

Mapping Multi-Tier Architectures to AWS Services, such as web/app servers, firewalls, caches and load balancers

Understanding managed RDBMS through AWS RDS (MySQL, Oracle, SQL Server, Postgres, Aurora)

Understanding Loose Coupling and Stateless Systems

Comparing Different Consistency Models in AWS Services

Understanding how AWS CloudFront can make your application more cost efficient, faster and secure

Implementing Route tables, Access Control Lists, Firewalls, NAT, and DNS

Applying AWS Security Features along with traditional

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Information and Application Security Using Compute, Networking, Storage, and Database AWS services Architecting Large Scale Distributed Systems Understanding of Elasticity and Scalability Concepts Understanding of Network Technologies Relating to AWS Deploying and Managing Services with tools such as CloudFormation, OpsWorks and Elastic Beanstalk. Learn from the AWS subject-matter experts, review with proven study tools, and apply real-world scenarios. If you are looking to take the AWS Certified Solutions Architect Associate exam, this guide is what you need for comprehensive content and robust study tools that will help you gain the edge on exam day and throughout your career. Foreword by Werner Vogels, Vice President and Corporate Technology Officer, Amazon The AWS exam has been updated. Your study guide should be, too. The AWS Certified Developer Official Study Guide—Associate Exam is your ultimate preparation resource for the latest exam! Covering all exam objectives, this invaluable resource puts a team of AWS experts at your side with expert guidance, clear explanations, and the wisdom of experience with AWS best practices. You'll master core services and basic architecture, and equip yourself to develop, deploy, and debug cloud-based applications using AWS. The AWS Developer certification is earned by those who demonstrate the technical knowledge and skill associated with best practices for building secure, reliable cloud-based applications using AWS technology. This book is your official exam prep companion, providing everything you need to know to pass with flying colors. Study the AWS Certified Developer Exam objectives Gain expert insight on core AWS services and best practices Test your understanding of key concepts with challenging chapter questions Access online study tools including electronic flashcards, a searchable glossary, practice exams, and more Cloud computing offers businesses the opportunity to replace up-front capital infrastructure expenses with low, variable costs that scale as they grow. This customized responsiveness has negated the need for far-future infrastructure



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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.

I am pretty sure that you might have heard about AWS being one of the highest paying job roles in today's industry. If yes, then what are you waiting for? Add AWS to your skillset and get a boost in your career. Are you not sure of where to begin? Well, you are in the right place, I have designed this book, keeping an "Absolute Beginner" in my mind and a complete "Hands On" approach, so that you get a perfect practical understanding of the key concepts and best practices when starting off your learning path towards Amazon Web Services. Here is what I have covered inside: 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... This Amazon Web Services guide for beginners is for absolutely anyone seeking to learn the basics of Amazon Web Services (AWS). Even if you have never logged into the AWS platform before, we'll guide you through the fundamentals of cloud computing, until you become more confident with the AWS concepts and terminology. I know you're here to learn, so no programming knowledge is needed, and no prior AWS experience is required. We will walk you through the basics one step at a time.

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Well, I am pretty sure that by the end of the book, you will 'walk away' with enough knowledge and experience in AWS, and you will never call yourself a Beginner in AWS anymore.

**DO YOU DESIRE TO ACQUIRE PROFICIENCY IN YOUR CAREER AS A CERTIFIED AWS CLOUD PRACTITIONER?**

Now, you can climb the rungs of your professional ladder with confidence by enhancing your skills in cloud computing and acquiring the AWS (Amazon Web Services) certification. Become a certified architect using this study guide written for cloud practitioners. It will help you to pass the AWS Certification Exam. Thousands of practitioners rely on this exam to acquire proficiency in the industry. Exam CLF 101 is an entry-level examination designed for beginners to gain profound knowledge on the course. The information in this book can set you apart for success in this technology-driven career. All over the world, thousands of businesses and industries depend on this exam to certify the practitioners in their firms. This handbook covers the necessary topics you need to pass the exam, including study guide questions. Various Topics You can Learn Include What is AWS Certification Introduction to the Basics of Cloud Computing Available Support Plans and How to Access Them How to Operate AWS Account Using Cost Management and Billing System The Ways of Handling Your AWS Resources How to Understand the AWS Environment How to Choose a Region How to Change your Password How to Get your Billing Information How to Secure Your AWS Resources Database Core Services in AWS How to Automate Workloads in AWS Handling Networking Core Services in AWS Compute Core Services in AWS AWS Core Storage Services Exam Study Questions And Many More... Click the BUY button and let's dive into the study and I bet you, your success is guaranteed! See you inside!!!

**AWS CERTIFIED**

**AWS Certified Cloud Practitioner Complete Training Guide**

**AWS**

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Learn Amazon Web Services - simpleNeasyBook by WAGmob  
AWS Certified SysOps Administrator Study Guide with Online Labs

What Can Serverless Architecture Do for You?

Associate (SOA-C01) Exam

*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,*

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*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

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*lower cost. Finally, you'll explore SageMaker Debugger and SageMaker Model Monitor to detect quality issues in training 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.

*The AWS Cloud Practitioner exam CLF-C01 is your entry point into the AWS certification world. Although it's not a mandatory step. It covers a broad range of topics including cloud concepts, security, technology, and billing and pricing. After passing this exam you'll have an understanding of the core value proposition of AWS and cloud computing in general. You'll understand the key features of AWS and what they can offer. The pricing structure of AWS services and how*

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*they compare to traditional data centers and Identify AWS products that can help solve your business needs. Who is this exam for? Taking the exam would benefit a broad range of people in the tech industry. This isn't limited to developers and architects. Business analysts, product owners, project managers, etc. Everyone can benefit from the Practioner exam. The exam falls at the base of the AWS certification tree and while it is not a prerequisite for taking some of the more advanced courses. It is required (although not if you have an associate certification already) to take the specialist exams such as security, big data & advanced networking courses. This AWS Cloud Practioner exam CLF-C01 practice test of AWS Web Services has been advanced to test your knowledge before taking the official exam. Unlike other online simulation practice tests, you get an eBook version easy to read & remember these questions. You can simply rely on these 100+ questions for successfully certifying this exam. Build your cloud computing knowledge and build your skills as an AWS Certified Cloud Practitioner (CLF-C01) Associate Exam Associate (DVA-C01) Exam Deep Learning Essentials*

*AWS Certified Machine Learning Study Guide  
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***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 Essentials and Solutions Architect AssociateThe Total Course Comprehensive, interactive exam preparation and so much more The AWS Certified SysOps Administrator Official Study Guide: Associate Exam is a comprehensive exam preparation resource. This book bridges the gap between***

**exam preparation and real-world readiness, covering exam objectives while guiding you through hands-on exercises based on situations you'll likely encounter as an AWS Certified SysOps Administrator. From deployment, management, and operations to migration, data flow, cost control, and beyond, this guide will help you internalize the processes and best practices associated with AWS. The Sybex interactive online study environment gives you access to invaluable preparation aids, including an assessment test that helps you focus your study on areas most in need of review, and chapter tests to help you gauge your mastery of the material. Electronic flashcards make it easy to study anytime, anywhere, and a bonus practice exam gives you a sneak preview so you know what to expect on exam day. Cloud computing offers businesses a cost-effective, instantly scalable IT infrastructure. The AWS Certified SysOps Administrator - Associate credential shows that you have technical expertise in deployment, management, and operations on AWS. Study exam objectives Gain practical experience with hands-on exercises Apply your skills to real-world scenarios Test your understanding with challenging review questions Earning your AWS Certification is much more than just passing an exam—you must be able to perform the duties expected of an AWS Certified SysOps Administrator in a real-world**

***setting. This book does more than coach you through the test: it trains you in the tools, procedures, and thought processes to get the job done well. If you're serious about validating your expertise and working at a higher level, the AWS Certified SysOps Administrator Official Study Guide: Associate Exam is the resource you've been seeking.***

***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 FeaturesBuild, train, and deploy machine learning models quickly using Amazon SageMakerOptimize the accuracy, cost, and fairness of your modelsCreate 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***

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***Become well-versed with data annotation and preparation techniques***  
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***Create models using built-in algorithms and frameworks and your own code***  
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The AWS Certified SysOps Administrator-Associate certification

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validates technical expertise in deployment, management, and operations on the AWS platform. This Study Guide not only prepares readers for the AWS exam, but it makes sure the reader is ready to perform the duties expected of SysOps Administrators. The book focuses on the skill-set required of AWS professionals by filling in the gap between test preparation and real-world preparedness. Concepts covered include: Monitoring and Reporting High Availability Deployment and Provisioning Storage and Data Management Security and Compliance Networking Automation and Optimization And More Readers will also have one year of free access to the Sybex interactive online learning environment and test bank, providing a suite of robust study tools including an assessment test, chapter tests, bonus practice exam, electronic flashcards, and a glossary of key terms. 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

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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 YUOUR 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.

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-Flexibility: You can select 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



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should to 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!

Virtual, hands-on learning labs allow you to apply your technical skills in realistic environments. So Sybex has bundled AWS labs from XtremeLabs with our popular AWS Certified Cloud Practitioner Study Guide to give you the same experience working in these labs as you prepare for the Certified Cloud Practitioner Exam that you would face in a real-life application. These labs in addition to the book are a proven way to prepare for the certification and for work as an AWS Cloud Practitioner. The AWS Certified Cloud Practitioner Study Guide: Exam

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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

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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 Solutions Architect Study Guide to give you the same experience working in these labs as you prepare for the Certified Solutions Architect 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 Solutions Architect. This is your opportunity to take the next step in your career by expanding and validating your skills on the AWS Cloud. AWS has been the frontrunner in cloud computing products and services, and the UPDATED AWS Certified Solutions Architect Study Guide, Third Edition, for the Associate SAA-C02 Exam will get you fully prepared. This study guide covers exam concepts, and provides key review of exam topics, including: Designing resilient architectures Designing high-performing architectures Designing secure applications and architectures Designing cost-optimized architectures

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If you are looking to take the AWS Certified Solutions Architect Associate exam, this guide is what you need for comprehensive content and robust study tools that will help you gain the edge on exam day and throughout your career. Readers will have access to Sybex's superior online interactive learning environment and test bank, including hundreds of test questions, practice exams, electronic flashcards, and a glossary of key terms. And included with this version of the book, XtremeLabs virtual labs that run from your browser. The registration code is included with the book and gives you 6 months of unlimited access to XtremeLabs AWS Certified Solutions Architect Labs with 12 unique lab modules based on the book. Your hands-on guide to the fundamentals of deep learning and neural network modeling

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The Total Course

**Why can you need AWS? What allows you to do Amazon Web Services? Would you like to start working in the world of cloud computing, but you don't know where to start? Want to Make Money? It is time to Learn Amazon Web Services! This book was written for people who are new to Amazon Web Services or AWS. It contains all you need to know about the how's and why's of this cloud computing service. Amazon Web Services Beginners Guide is for anyone who has been wanting to learn the AWS's basics. For people who have never even logged into the platform before, this book will be your guide through the basics of cloud computing and reveal how AWS became its pioneer. All the fundamentals of AWS will be covered in this book, which should be enough to make you more confident with the terminology and concepts behind this service. We'll begin with a brief history of how**

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**the online retail giant Amazon launched AWS initially for web developers. You'll learn about each milestone that shaped AWS into one of the most reliable and sought after cloud computing services, decisively beating technology giants such as Google and Microsoft. Throughout the sections dedicated to the basics of cloud computing, you'll know more about how it revolutionized the way we use data and make it accessible from anywhere in the world as long as you have an Internet connection. You'll also learn about the advantages of cloud computing compared to local computing and how it will benefit individuals and businesses who are looking into investing in a secure system infrastructure with minimum capital. Truth be told, you may have been using a cloud infrastructure without knowing it. Furthermore, this book will walk you through each of the different types of cloud computing and how each one may be used. AWS has been around for more than a decade now, and through the years it has already amassed around two thousand features and services. We will discuss those that are most used: Are you a web developer trying to break into cloud computing but do not know where to begin? Familiarize yourself with the basics of AWS web development services and how you can use each one to design web applications that are robust, secure, and cost-effective. Do you need a networked desktop and server environment for your business but do not have a budget for it? Amazon WorkSpaces and AppStream may be the**

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perfect solution for you. Ever wondered what big data is all about and how you can harness its power to help you analyze customer behavior? AWS big data services might be the answer you've been looking for. Or, are you a systems administrator looking for an email and calendaring solution that won't require a huge chunk of the budget to be allocated on hardware as well as licenses? You might want to check out Amazon WorkMail. Cloud computing is continuously evolving and you wouldn't want to be left out. Whatever your cloud computing needs are, AWS has them and Amazon Web Services Beginners Guide will show you how you can utilize these services for your or your business' benefit. Scroll up and click Buy Now in 1-Click or Buy NOW at the top of this page to start reading!

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**AWS Cloud, which will help the solutions run at scale. This book not only guides you through the trade-offs and ideas behind efficient cloud applications, but is a comprehensive guide to getting the most out of AWS. In the first section, you will begin by looking at the key concepts of AWS, setting up your AWS account, and operating it. This guide also covers cloud service models, which will help you build highly scalable and secure applications on the AWS platform. We will then dive deep into concepts of cloud computing with S3 storage, RDS and EC2. Next, this book will walk you through VPC, building realtime serverless environments, and deploying serverless APIs with microservices. Finally, this book will teach you to monitor your applications, and automate your infrastructure and deploy with CloudFormation. By the end of this book, you will be well-versed with the various services that AWS provides and will be able to leverage AWS infrastructure to accelerate the development process. What you will learn**

**Set up your AWS account and get started with the basic concepts of AWS**

**Learn about AWS terminology and identity access management**

**Acquaint yourself with important elements of the cloud with features such as computing, ELB, and VPC**

**Back up your database and ensure high availability by having an understanding of database-related services in the AWS cloud**

**Integrate AWS services with your application to meet and exceed non-functional requirements**

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**design cost-effective, highly available applications**  
**Who this book is for** If you are an I.T. professional or a system architect who wants to improve infrastructure using AWS, then this book is for you. It is also for programmers who are new to AWS and want to build highly efficient, scalable applications.  
**New for 2019! Start with the basics, then learn everything you need to know to pass the AWS Solutions Architect exam**  
**About This Video** Learn the basics of AWS and set up a free AWS account to run an instance  
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**In Detail** Are you looking to learn more about AWS and what it can do for you or your company? Have you heard about it, but don't know how to take your business and network solutions to the AWS cloud? Perhaps you're a seasoned network techie looking to become an AWS Certified Solutions Architect Associate. If you can relate to any of those, the AWS Essentials and Solutions Architect Associate course is for you. This course includes both AWS Technical Essentials and AWS Certified Solutions Architect - Associate courses. If you're new to AWS and looking for a crash course to get to grips with the foundations, we recommend that you start right from the beginning with the Technical Essentials course, which isn't a certification exam prep course and doesn't cover exam domains, however, the following is a list of what it covers: Terminology and concepts related to the AWS platform  
**How to navigate the AWS**

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**Management Console Key concepts for AWS security measures and AWS Identity and Access Management (IAM) Foundational services-Amazon Elastic Compute Cloud (Amazon EC2), Amazon Virtual Private Cloud (Amazon VPC), Amazon Simple Storage Service (Amazon S3), and Amazon Elastic Block Store (Amazon EBS) Database services-Amazon DynamoDB and Amazon Relational Database Service (Amazon RDS) Management services-AWS Auto Scaling, Amazon CloudWatch, Elastic Load Balancing (ELB), and AWS Trusted Advisor Once you're well-versed with the basics, you'll move on to the AWS Solutions Architect - Associate video course, which will take you through the exam domains which are as follows: Domain 1: Design Resilient Architectures (34%) Domain 2: Define Performant Architectures (24%) Domain 3: Specify Secure Applications and Architectures (26%) Domain 4: Design Cost-Optimized Architectures (10%) Domain 5: Define Operationally Excellent Architectures (6%) Downloading the example code for this course: You can download the example code files for this course on GitHub at the following link: <https://github.com/PacktPublishing/AWS-Essentials-and-Solutions-Architect-Associate-The-Total-Course> . If you require support please email: [customercare@packt.com](mailto:customercare@packt.com). Associate (SAA-C01) Exam Learn Amazon SageMaker AWS Certified Solutions Architect Official Study Guide**

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