

Download Ebook Salesforce Com Certified Technical Architect Study Guide Read Pdf Free

Becoming a Salesforce Certified Technical Architect Becoming a Salesforce Certified Technical Architect Becoming a Salesforce Certified Technical Architect Salesforce Architect's Handbook AWS Certified Solutions Architect Official Study Guide Google Cloud Certified Professional Cloud Architect All-in-One Exam Guide Salesforce Data Architecture and Management Official Google Cloud Certified Professional Cloud Architect Study Guide Salesforce B2C Solution Architect's Handbook Professional Cloud Architect – Google Cloud Certification Guide AWS Certified Solutions Architect Study Guide with 900 Practice Test Questions Hands-On Low-Code Application Development with Salesforce It Infrastructure Architecture - Infrastructure Building Blocks and Concepts Second Edition Solutions Architect's Handbook Certified Enterprise Architect All-in-One Exam Guide AWS Certified Solutions Architect - Associate (SAA-C02) Cert Guide Salesforce Data Architect Certification Guide Google Cloud Certified Professional Cloud Architect Study Guide Software Architecture Fundamentals Sun Certified Enterprise Architect for Java EE Study Guide Apex Design Patterns Architecting Enterprise Blockchain Solutions Aws Certified Solutions Architect - Professional AWS Certified Solutions Architect - Associate (SAA-C01) Cert Guide Pragmatic AI Exam Ref AZ-303 Microsoft Azure Architect Technologies PCSSA - Pega Certified Senior System Architect Exam Practice Questions & Dumps Salesforce Platform App Builder Certification Microsoft Azure Architect Technologies and Design Complete Study Guide TOGAF® 9 Certified Study Guide - 2nd Edition SCEA Sun Certified Enterprise Architect for Java EE Study Guide (Exam 310-051) DevOps for Salesforce CASP+ CompTIA Advanced Security Practitioner Study Guide Cloud Computing Bible AWS Certified Solutions Architect – Associate Guide AWS Certified Solutions Architect Study Guide AWS Certified Solutions Architect Associate All-in-One Exam Guide (Exam SAA-C01) AWS Certified Solutions Architect Associate - Essential Exam Training Mastering Salesforce DevOps OCM Java EE 6 Enterprise Architect Exam Guide (Exams 1Z0-807, 1Z0-865 & 1Z0-866)

A Complete Study System for OCM Exams 1Z0-807, 1Z0-865, and 1Z0-866 Prepare for the Oracle Certified Master Java EE 6 Enterprise Architect exams with this exclusive Oracle Press guide. The multiple-choice exam, the assignment, and the essay exam are covered. Chapters feature challenging exercises, a certification summary, a two-minute drill, and a self-test to reinforce the topics presented. This authoritative resource helps you pass these exams and also serves as an essential, on-the-job reference. Get complete coverage of all exam objectives, including: Application design concepts and principles Common architectures Integration and messaging Business-tier technologies Web-tier technologies Design patterns Security Electronic content includes: 120 multiple-choice practice exam questions Test engine that provides practice exams and customized quizzes by chapter Gain practical experience designing and building high-performance, secure, and scalable Salesforce solutions using real-world scenarios. Purchase of the book unlocks access to web-based exam prep resources like flashcards and a free eBook PDF. Key Features Master each knowledge domain by applying key concepts to a real-world scenario Put all the skills covered in the book into action with two full mock scenarios Gain access to additional online assets including flashcards and exam tips Book Description This book is a complete guide to learning essential architectural concepts that'll enable you to deliver secure, high-performant Salesforce solutions and pass the Salesforce CTA review board exam with confidence. This second edition comes with updated content, additional supporting material such as cheat sheets, and detailed practical examples, and helps you learn key soft skills to craft a winning presentation. You'll begin by reviewing vital architectural concepts needed to create a scalable end-to-end Salesforce solution. Next, you'll find out how to identify requirements and break down a problem into smaller, more solvable parts. As you advance, you'll gain practical experience in managing design decisions and defending them using real-world scenarios. The book also helps familiarize you with the correct methodology to structure your solution presentation and the necessary supporting artifacts. Finally, you'll practice providing solutions for two full hypothetical scenarios and structuring your playback step

by step. By the end of this Salesforce book, you'll be able to design a highly scalable Salesforce solution and create suitable material to comfortably explain the end-to-end solution to the CTA review board and potentially your customer, and have a higher chance of passing. What you will learn

- Explore core architectural concepts essential for any Salesforce architect
- Understand Salesforce knowledge domains using practical examples
- Practice creating solutions using scenarios focusing on particular knowledge domains
- Discover key artifacts needed to document and explain an end-to-end solution
- Apply data life cycle management effectively in the Salesforce ecosystem
- Design appropriate enterprise integration interfaces to build your connected solution
- Know what to expect on the day of the review board along with valuable tips and tricks

Who this book is for

This book is for Salesforce architects who want to design secure, performant, and scalable technical solutions for their organizations and ultimately become Salesforce Certified Technical Architects. A solid understanding of the Salesforce platform is required, ideally combined with three to five years of practical experience as an application architect, system architect, enterprise architect, or solution architect. From fundamentals and design patterns to the different strategies for creating secure and reliable architectures in AWS cloud, learn everything you need to become a successful solutions architect

Key Features

- Create solutions and transform business requirements into technical architecture with this practical guide
- Understand various challenges that you might come across while refactoring or modernizing legacy applications
- Delve into security automation, DevOps, and validation of solution architecture

Book Description

Becoming a solutions architect gives you the flexibility to work with cutting-edge technologies and define product strategies. This handbook takes you through the essential concepts, design principles and patterns, architectural considerations, and all the latest technology that you need to know to become a successful solutions architect. This book starts with a quick introduction to the fundamentals of solution architecture design principles and attributes that will assist you in understanding how solution architecture benefits software projects across enterprises. You'll learn what a cloud migration and application modernization framework looks like, and will use microservices, event-driven, cache-based, and serverless patterns to design robust architectures. You'll then explore the main pillars of architecture design, including performance, scalability, cost optimization, security, operational excellence, and DevOps. Additionally, you'll also learn advanced concepts relating to big data, machine learning, and the Internet of Things (IoT). Finally, you'll get to grips with the documentation of architecture design and the soft skills that are necessary to become a better solutions architect. By the end of this book, you'll have learned techniques to create an efficient architecture design that meets your business requirements.

What you will learn

- Explore the various roles of a solutions architect and their involvement in the enterprise landscape
- Approach big data processing, machine learning, and IoT from an architect's perspective and understand how they fit into modern architecture
- Discover different solution architecture patterns such as event-driven and microservice patterns
- Find ways to keep yourself updated with new technologies and enhance your skills
- Modernize legacy applications with the help of cloud integration
- Get to grips with choosing an appropriate strategy to reduce cost

Who this book is for

This book is for software developers, system engineers, DevOps engineers, architects, and team leaders working in the information technology industry who aspire to become solutions architect professionals. A good understanding of the software development process and general programming experience with any language will be useful. The TOGAF 9 certification program is a knowledge-based certification program. It has two levels, leading to certification for TOGAF 9 Foundation and TOGAF 9 Certified, respectively. The purpose of certification to TOGAF 9 Certified is to provide validation that, in addition to the knowledge and comprehension of TOGAF 9 Foundation level, the Candidate is able to analyze and apply this knowledge. The learning objectives at this level therefore focus on application and analysis in addition to knowledge and comprehension. This Study Guide supports students in preparation for the TOGAF 9 Part 2 Examination, leading to TOGAF 9 Certified. Explore a wide range of low-code tools in the Salesforce platform for building customized CRM applications without writing any code

Key Features

- Create apps with a rich user experience without paying for costly developers
- Leverage Salesforce Lightning Platform's declarative features to build professional-grade applications
- Improve productivity with business process automation using Workflow, Process Builder, and Flow

Book Description

Low-code platforms allow users to focus on business logic to create solutions without getting trapped in programming complexities. Thanks to its powerful features for designing, developing, and deploying apps without having to hand-code, Salesforce is at the forefront of the low-code development revolution. This book will guide you in building creative applications for solving your business problems using the declarative framework provided by Salesforce. You'll start by learning how to design your business data model with custom objects, fields, formulas, and validation rules, all secured by the Salesforce security model. You'll then explore tools such as Workflow, Process Builder, Lightning Flow, and Actions that will help you to automate your business processes with ease. This book also shows you how to use Lightning App Builder to build personalized UIs for your Salesforce applications, explains the value of creating community pages for your organization, and teaches you how to customize them with Experience Builder. Finally, you'll work with the sandbox model, deploy your solutions, and deliver an effective release management strategy. By the end of this Salesforce

book, you'll be ready to customize Salesforce CRM to meet your business requirements by creating unique solutions without writing a single line of code. What you will learn Get to grips with the fundamentals of data modeling to enhance data quality Deliver dynamic configuration capabilities using custom settings and metadata types Secure your data by implementing the Salesforce security model Customize Salesforce applications with Lightning App Builder Create impressive pages for your community using Experience Builder Use Data Loader to import and export data without writing any code Embrace the Salesforce Ohana culture to share knowledge and learn from the global Salesforce community Who this book is for If you are a citizen developer, business analyst, Salesforce administrator, or anyone interested in developing applications or solutions for business problems but lack technical knowledge, this book is for you. No prior programming experience is required. COVERS THE NEW 2018 EXAM SAA-C01! This effective study guide provides 100% coverage of every topic on the AWS Certified Solutions Architect Associate exam. Get complete coverage of all objectives included on the February 2018 SAA-C01 exam from this comprehensive resource. Written by an expert AWS Solutions Architect and well-respected author, this authoritative guide fully addresses the knowledge and skills required for passing the AWS Certified Solutions Architect Associate exam. You'll find learning objectives at the beginning of each chapter, exam tips, practice exam questions, and in-depth explanations. Designed to help you pass the exam with ease, this definitive volume also serves as an essential on-the-job reference. Covers all exam domains, including:

- Design Resilient Architectures
- Define Performant Architectures
- Specify Secure Applications and Architectures
- Design Cost-Optimized Architectures
- Define Operationally Excellent Architectures

Digital content includes:

- 130 practice exam questions
- Test engine that provides practice exams or quizzes that can be customized by chapter or exam objective

Sybex's proven Study Guide format teaches Google Cloud Architect job skills and prepares you for this important new Cloud exam. The Google Cloud Certified Professional Cloud Architect Study Guide is the essential resource for anyone preparing for this highly sought-after, professional-level certification. Clear and accurate chapters cover 100% of exam objectives—helping you gain the knowledge and confidence to succeed on exam day. A pre-book assessment quiz helps you evaluate your skills, while chapter review questions emphasize critical points of learning. Detailed explanations of crucial topics include analyzing and defining technical and business processes, migration planning, and designing storage systems, networks, and compute resources. Written by Dan Sullivan—a well-known author and software architect specializing in analytics, machine learning, and cloud computing—this invaluable study guide includes access to the Sybex interactive online learning environment, which includes complete practice tests, electronic flash cards, a searchable glossary, and more. Providing services suitable for a wide range of applications, particularly in high-growth areas of analytics and machine learning, Google Cloud is rapidly gaining market share in the cloud computing world. Organizations are seeking certified IT professionals with the ability to deploy and operate infrastructure, services, and networks in the Google Cloud. Take your career to the next level by validating your skills and earning certification. Design and plan cloud solution architecture Manage and provision cloud infrastructure Ensure legal compliance and security standards Understand options for implementing hybrid clouds Develop solutions that meet reliability, business, and technical requirements The Google Cloud Certified Professional Cloud Architect Study Guide is a must-have for IT professionals preparing for certification to deploy and manage Google cloud services. Learn everything you need to become a successful data architect on the Salesforce platform Key Features Adopt best practices relating to data governance and learn how to implement them Learn how to work with data in Salesforce while maintaining scalability and security of an instance Gain insights into managing large data volumes in Salesforce Book Description As Salesforce orgs mature over time, data management and integrations are becoming more challenging than ever. Salesforce Data Architecture and Management follows a hands-on approach to managing data and tracking the performance of your Salesforce org. You'll start by understanding the role and skills required to become a successful data architect. The book focuses on data modeling concepts, how to apply them in Salesforce, and how they relate to objects and fields in Salesforce. You'll learn the intricacies of managing data in Salesforce, starting from understanding why Salesforce has chosen to optimize for read rather than write operations. After developing a solid foundation, you'll explore examples and best practices for managing your data. You'll understand how to manage your master data and discover what the Golden Record is and why it is important for organizations. Next, you'll learn how to align your MDM and CRM strategy with a discussion on Salesforce's Customer 360 and its key components. You'll also cover data governance, its multiple facets, and how GDPR compliance can be achieved with Salesforce. Finally, you'll discover Large Data Volumes (LDVs) and best practices for migrating data using APIs. By the end of this book, you'll be well-versed with data management, data backup, storage, and archiving in Salesforce. What you will learn Understand the Salesforce data architecture Explore various data backup and archival strategies Understand how the Salesforce platform is designed and how it is different from other relational databases Uncover tools that can help in data management that minimize data trust issues in your Salesforce org Focus on the Salesforce Customer 360 platform, its key components, and how it can help organizations in connecting with customers Discover how Salesforce can be used for GDPR

compliance Measure and monitor the performance of your Salesforce org Who this book is for This book is for aspiring architects, Salesforce admins, and developers. You will also find the book useful if you're preparing for the Salesforce Data Architecture and Management exam. A basic understanding of Salesforce is assumed. Learn data architecture essentials and prepare for the Salesforce Certified Data Architect exam with the help of tips and mock test questions Key FeaturesLeverage data modelling, Salesforce database design, and techniques for effective data designLearn master data management, Salesforce data management, and how to include considerationsGet to grips with large data volumes, performance tuning, and poor performance mitigation techniquesBook Description The Salesforce Data Architect is a prerequisite exam for the Application Architect half of the Salesforce Certified Technical Architect credential. This book offers complete, up-to-date coverage of the Salesforce Data Architect exam so you can take it with confidence. The book is written in a clear, succinct way with self-assessment and practice exam questions, covering all the topics necessary to help you pass the exam with ease. You'll understand the theory around Salesforce data modeling, database design, master data management (MDM), Salesforce data management (SDM), and data governance. Additionally, performance considerations associated with large data volumes will be covered. You'll also get to grips with data migration and understand the supporting theory needed to achieve Salesforce Data Architect certification. By the end of this Salesforce book, you'll have covered everything you need to know to pass the Salesforce Data Architect certification exam and have a handy, on-the-job desktop reference guide to re-visit the concepts. What you will learnUnderstand the topics relevant to passing the Salesforce Data Architect examExplore specialist areas, such as large data volumesTest your knowledge with the help of exam-like questionsPick up useful tips and tricks that can be referred to time and againUnderstand the reasons underlying the way Salesforce data management worksDiscover the techniques that are available for loading massive amounts of dataWho this book is for This book is for both aspiring Salesforce data architects and those already familiar with Salesforce data architecture who want to pass the exam and have a reference guide to revisit the material as part of their day-to-day job. Working knowledge of the Salesforce platform is assumed, alongside a clear understanding of Salesforce architectural concepts. Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. This effective study guide offers comprehensive coverage of topics comprising the enterprise architecture body of knowledge. This unique resource provides detailed coverage and lays out actionable methodologies and best practices to create and maintain successful EA models, artifacts and building blocks. It helps prepare readers to take any of the various EA certification exams and academic courses in enterprise architecture. This highly effective self-study guide offers comprehensive coverage of all topics in the enterprise architecture body of knowledge. Written by a team of experienced academics, practitioners, and professionals, the book takes a holistic look at the practice of enterprise architecture. You will get actionable methodologies and best practices and learn how to develop, deploy, and maintain successful enterprise architecture models, artifacts, and building blocks. Designed to help you prepare for certification, the Certified Enterprise Architect All-in-One Exam Guide also serves as an essential on-the-job reference. Coverage includes: • Enterprise architecture foundation concepts • Planning the enterprise architecture • Enterprise architecture development, governance, and maintenance • Defense frameworks • Viewpoints and views • The Zachman Framework • The Open Group Architecture Framework (TOGAF) • The Common Approach to Federal Enterprise Architecture • FEAF2 • Comparison of frameworks • Case Study integrated throughout the text • And much more Software architecture is an important factor for the success of any software project. In the context of systematic design and construction, solid software architecture ensures the fulfilment of quality requirements such as expandability, flexibility, performance, and time-to-market. Software architects reconcile customer requirements with the available technical options and the prevailing conditions and constraints. They ensure the creation of appropriate structures and smooth interaction of all system components. As team players, they work closely with software developers and other parties involved in the project. This book gives you all the basic know-how you need to begin designing scalable system software architectures. It goes into detail on all the most important terms and concepts and how they relate to other IT practices. Following on from the basics, it describes the techniques and methods required for the planning, documentation, and quality management of software architectures. It details the role, the tasks, and the work environment of a software architect, as well as looking at how the job itself is embedded in company and project structures. The book is designed for self-study and covers the curriculum for the Certified Professional for Software Architecture – Foundation Level (CPSA-F) exam as defined by the International Software Architecture Qualification Board (ISAQB). Demystify architecting complex blockchain applications in enterprise environments Architecting Enterprise Blockchain Solutions helps engineers and IT administrators understand how to architect complex blockchain applications in enterprise environments. The book takes a deep dive into the intricacies of supporting and securing blockchain technology, creating and implementing decentralized applications, and incorporating blockchain into an existing enterprise IT infrastructure. Blockchain is a technology that is experiencing massive growth in many facets of business and the

enterprise. Most books around blockchain primarily deal with how blockchains are related to cryptocurrency or focus on pure blockchain development. This book teaches what blockchain technology is and offers insights into its current and future uses in high performance networks and complex ecosystems. Provides a practical, hands-on approach Demonstrates the power and flexibility of enterprise blockchains such as Hyperledger and R3 Corda Explores how blockchain can be used to solve complex IT support and infrastructure problems Offers numerous hands-on examples and diagrams Get ready to learn how to harness the power and flexibility of enterprise blockchains! An indispensable guide to the newest version of the Google Certified Professional Cloud Architect certification The newly revised Second Edition of the Google Cloud Certified Professional Cloud Architect Study Guide delivers a proven and effective roadmap to success on the latest Professional Cloud Architect accreditation exam from Google. You'll learn the skills you need to excel on the test and in the field, with coverage of every exam objective and competency, including focus areas of the latest exam such as Kubernetes, Anthos, and multi-cloud architectures. The book explores the design, analysis, development, operations, and migration components of the job, with intuitively organized lessons that align with the real-world job responsibilities of a Google Cloud professional and with the PCA exam topics. Architects need more than the ability to recall facts about cloud services, they need to be able to reason about design decisions. This study guide is unique in how it helps you learn to think like an architect: understand requirements, assess constraints, choose appropriate architecture patterns, and consider the operational characteristics of the systems you design. Review questions and practice exams use scenario-based questions like those on the certification exam to build the test taking skills you will need. In addition to comprehensive material on compute resources, storage systems, networks, security, legal and regulatory compliance, reliability design, technical and business processes, and more, you'll get: The chance to begin or advance your career as an in-demand Google Cloud IT professional Invaluable opportunities to develop and practice the skills you'll need as a Google Cloud Architect Access to the Sybex online learning center, with chapter review questions, full-length practice exams, hundreds of electronic flashcards, and a glossary of key terms The ideal resource for anyone preparing for the Professional Cloud Architect certification from Google, Google Cloud Certified Professional Cloud Architect Study Guide, 2nd Edition is also a must-read resource for aspiring and practicing cloud professionals seeking to expand or improve their technical skillset and improve their effectiveness in the field. The Best Fully Integrated Study System Available for Exam 310-051 With hundreds of practice questions and hands-on exercises, Sun Certified Enterprise Architect for Java EE Study Guide covers what you need to know--and shows you how to prepare--for this challenging exam. 100% complete coverage of all official objectives for exam 310-051 Inside the Exam sections in every chapter highlight key exam topics covered Simulated exam questions match the format, tone, topics, and difficulty of the real exam Covers all the exam topics, including: Basic Principles of Enterprise Architectures * Object-Oriented Design Using UML * Applicability of JEE Technology * Design Patterns * Legacy Connectivity * EJB and Container Models * Messaging * Internationalization and Localization * Security Electronic content includes: Complete MasterExam practice testing engine, featuring: One full practice exam: Detailed answers with explanations: Score Report performance assessment tool Electronic book for studying on the go With free online registration: Bonus downloadable MasterExam practice test For many decades, IT infrastructure has provided the foundation for successful application deployment. Yet, general knowledge of infrastructures is still not widespread. Experience shows that software developers, system administrators, and project managers often have little knowledge of the big influence IT infrastructures have on the performance, availability and security of software applications. This book explains the concepts, history, and implementation of IT infrastructures. Although many of books can be found on individual infrastructure building blocks, this is the first book to describe all of them: datacenters, servers, networks, storage, virtualization, operating systems, and end user devices. Whether you need an introduction to infrastructure technologies, a refresher course, or a study guide for a computer science class, you will find that the presented building blocks and concepts provide a solid foundation for understanding the complexity of today's IT infrastructures. AWS Certified Solutions Architect - Professional is considered one of the top certifications in the world and there have been a few discrepancies due to the lack of a well-defined study guide which can help individuals to prepare for the certification. The book, based on the famous AWS Solutions Architect - Professional video course by Zeal, brings the much-needed step by step guide, followed by a well-defined learning process and exam preparation quizzes which will help you prepare for this challenging certification. With the detailed preparation guide and instructor support via email, join us in the journey to be an AWS Certified Solutions Architect - Professional. This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Learn, prepare, and practice for AWS Certified Solutions Architect - Associate (SAA-C01) exam success with this Cert Guide from Pearson IT Certification, a leader in IT Certification learning. Master AWS Certified Solutions Architect - Associate (SAA-C01) exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks AWS Certified Solutions Architect - Associate (SAA-C01) Cert Guide is a best-of-breed exam study guide. Best-selling author and

expert instructor Anthony Sequeira shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test-preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. Well regarded for its level of detail, assessment features, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The study guide helps you master all the topics on the AWS Certified Solutions Architect - Associate exam, including how to:

- Design resilient architectures that ensure storage high availability while providing for decoupling mechanisms, multitier infrastructure, and high availability
- Define performant architectures with efficient storage and databases, caching optimizations, and improved elasticity
- Specify secure applications and architectures, encompassing application tiers, data, and networking infrastructure
- Design cost-optimized architectures, addressing both storage and compute
- Define operationally excellent architectures, and understand their characteristics

Learn from the AWS subject-matter experts, apply real-world scenarios and clear the AWS Certified Solutions Architect – Associate exam

Key Features

- Build highly reliable and scalable workloads on the AWS platform
- Pass the exam in less time and with confidence
- Get up and running with building and managing applications on the AWS platform

Book Description

Amazon Web Services (AWS) is currently the leader in the public cloud market. 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. As more the rate of cloud platform adoption increases, so does the need for cloud certification. The AWS Certified Solution Architect – Associate Guide is your one-stop solution to gaining certification. Once you have grasped what AWS and its prerequisites are, you will get insights into different types of AWS services such as Amazon S3, EC2, VPC, SNS, and more to get you prepared with core Amazon services. You will then move on to understanding how to design and deploy highly scalable applications. Finally, you will study security concepts along with the AWS best practices and mock papers to test your knowledge. By the end of this book, you will not only be fully prepared to pass the AWS Certified Solutions Architect – Associate exam but also capable of building secure and reliable applications. What you will learn

- Explore AWS terminology and identity and access management
- Acquaint yourself with important cloud services and features in categories such as compute, network, storage, and databases
- Define access control to secure AWS resources and set up efficient monitoring
- Back up your database and ensure high availability by understanding all of the database-related services in the AWS Cloud
- Integrate AWS with your applications to meet and exceed non-functional requirements
- Build and deploy cost-effective and highly available applications

Who this book is for

The AWS Certified Solutions Architect – Associate Guide is for you if you are an IT professional or Solutions Architect wanting to pass the AWS Certified Solution Architect – Associate 2018 exam. This book is also for developers looking to start building scalable applications on AWS

Prepare to succeed in your new cybersecurity career with the challenging and sought-after CASP+ credential

In the newly updated Fourth Edition of CASP+ CompTIA Advanced Security Practitioner Study Guide Exam CAS-004, risk management and compliance expert Jeff Parker walks you through critical security topics and hands-on labs designed to prepare you for the new CompTIA Advanced Security Professional exam and a career in cybersecurity implementation. Content and chapter structure of this Fourth edition was developed and restructured to represent the CAS-004 Exam Objectives. From operations and architecture concepts, techniques and requirements to risk analysis, mobile and small-form factor device security, secure cloud integration, and cryptography, you'll learn the cybersecurity technical skills you'll need to succeed on the new CAS-004 exam, impress interviewers during your job search, and excel in your new career in cybersecurity implementation. This comprehensive book offers:

- Efficient preparation for a challenging and rewarding career in implementing specific solutions within cybersecurity policies and frameworks
- A robust grounding in the technical skills you'll need to impress during cybersecurity interviews
- Content delivered through scenarios, a strong focus of the CAS-004 Exam
- Access to an interactive online test bank and study tools, including bonus practice exam questions, electronic flashcards, and a searchable glossary of key terms

Perfect for anyone preparing for the CASP+ (CAS-004) exam and a new career in cybersecurity, CASP+ CompTIA Advanced Security Practitioner Study Guide Exam CAS-004 is also an ideal resource for current IT professionals wanting to promote their cybersecurity skills or prepare for a career transition into enterprise cybersecurity. Design and build high-performance, secure, and scalable Salesforce solutions to meet business demands and gain practical experience using real-world scenarios by creating engaging end-to-end solution presentations

Key Features:

- Design scalable technical solutions on the Salesforce Lightning platform
- Learn common integration, data migration, and security patterns for designing reliable architectures
- Build an end-to-end delivery framework pipeline for delivering successful projects within specified timelines

Book Description:

Salesforce Certified Technical Architect (CTA) is the ultimate certification to validate your knowledge and skills when it comes to designing and building high-performance technical solutions on the Salesforce platform. The CTA certificate is granted after successfully passing the CTA review board exam, which tests your platform expertise and soft skills for communicating your solutions and vision. You'll start with the core concepts that every architect should master, including the data lifecycle, integration, and security, and build your aptitude for creating high-level technical solutions. You'll then explore specific knowledge domains that are tested in the review board. With the help of real-world examples, this book provides insights into essential topics such as selecting systems or components for your solutions, designing scalable and secure Salesforce architecture, and planning the development lifecycle and deployments. Finally, you'll work on two full mock scenarios that simulate the review board exam, helping you learn how to identify requirements, create a draft solution, and combine all the elements together to create an engaging story to present in front of the board or to a client in real life. By the end of this Salesforce book, you'll have gained the knowledge and skills required to pass the review board exam and implement architectural best practices and strategies in your day-to-day work. What You Will Learn: Explore data lifecycle management and apply it effectively in the Salesforce ecosystem Design appropriate enterprise integration interfaces to build your connected solution Understand the essential concepts of identity and access management Develop scalable Salesforce data and system architecture Design the project environment and release strategy for your solution Articulate the benefits, limitations, considerations, and design choices relating to your solution Discover tips, tricks, and strategies to prepare for the Salesforce CTA review board exam Who this book is for: This book is for Salesforce architects who want to become certified technical architects by learning how to design secure and scalable technical solutions for their organizations. A solid understanding of the Salesforce platform is required, ideally combined with 3 to 5 years of practical experience as an application architect, system architect, enterprise architect, or solution architect. Design and build high-performance, secure, and scalable Salesforce solutions to meet business demands and gain practical experience using real-world scenarios by creating engaging end-to-end solution presentations Key Features Learn common integration, data migration, and security patterns for designing scalable and reliable solutions on the Salesforce Lightning platform Build an end-to-end delivery framework pipeline for delivering successful projects within specified timelines Gain access to an exclusive book club of skilled Salesforce professionals, to discuss ideas, best practices, and share experiences of designing modern solutions using Salesforce Book Description Salesforce Certified Technical Architect (CTA) is the ultimate certification to validate your knowledge and skills when it comes to designing and building high-performance technical solutions on the Salesforce platform. The CTA certificate is granted after successfully passing the CTA review board exam, which tests your platform expertise and soft skills for communicating your solutions and vision. You'll start with the core concepts that every architect should master, including data lifecycle, integration, and security, and build your aptitude for creating high-level technical solutions. Using real-world examples, you'll explore essential topics such as selecting systems or components for your solutions, designing scalable and secure Salesforce architecture, and planning the development lifecycle and deployments. Finally, you'll work on two full mock scenarios that simulate the review board exam, helping you learn how to identify requirements, create a draft solution, and combine all the elements together to create an engaging story to present in front of the board or to a client in real life. By the end of this Salesforce book, you'll have gained the knowledge and skills required to pass the review board exam and implement architectural best practices and strategies in your day-to-day work. What you will learn Explore data lifecycle management and apply it effectively in the Salesforce ecosystem Design appropriate enterprise integration interfaces to build your connected solution Understand the essential concepts of identity and access management Develop scalable Salesforce data and system architecture Design the project environment and release strategy for your solution Articulate the benefits, limitations, and design considerations relating to your solution Discover tips, tricks, and strategies to prepare for the Salesforce CTA review board exam Who this book is for This book is for Salesforce architects who want to become certified technical architects by learning how to design secure and scalable technical solutions for their organizations. A solid understanding of the Salesforce platform is required, ideally combined with 3 to 5 years of practical experience as an application architect, system architect, enterprise architect, or solution architect. Everything you need to succeed on the Google Cloud Certified Professional Cloud Architect exam in one accessible study guide Take the challenging Google Cloud Certified Professional Cloud Architect exam with confidence using the comprehensive information contained in this invaluable self-study guide. The book provides a thorough overview of cloud architecture and Google Cloud Platform (GCP) and shows you how to pass the test. Beyond exam preparation, the guide also serves as a valuable on-the-job reference. Written by a recognized expert in the field, Google Cloud Certified Professional Cloud Architect All-In-One Exam Guide is based on proven pedagogy and features special elements that teach and reinforce practical skills. The book contains accurate practice questions and in-depth explanations. You will discover how to design, develop, and manage robust, secure, scalable, and highly available solutions to drive business objectives. Offers 100% coverage of every objective for

the Google Cloud Certified Professional Cloud Architect exam Online content includes 100 additional practice questions in the TotalTester customizable exam engine Written by a Google Cloud Certified Professional Cloud Architect Master Powerful Off-the-Shelf Business Solutions for AI and Machine Learning Pragmatic AI will help you solve real-world problems with contemporary machine learning, artificial intelligence, and cloud computing tools. Noah Gift demystifies all the concepts and tools you need to get results—even if you don't have a strong background in math or data science. Gift illuminates powerful off-the-shelf cloud offerings from Amazon, Google, and Microsoft, and demonstrates proven techniques using the Python data science ecosystem. His workflows and examples help you streamline and simplify every step, from deployment to production, and build exceptionally scalable solutions. As you learn how machine language (ML) solutions work, you'll gain a more intuitive understanding of what you can achieve with them and how to maximize their value. Building on these fundamentals, you'll walk step-by-step through building cloud-based AI/ML applications to address realistic issues in sports marketing, project management, product pricing, real estate, and beyond. Whether you're a business professional, decision-maker, student, or programmer, Gift's expert guidance and wide-ranging case studies will prepare you to solve data science problems in virtually any environment. Get and configure all the tools you'll need Quickly review all the Python you need to start building machine learning applications Master the AI and ML toolchain and project lifecycle Work with Python data science tools such as IPython, Pandas, Numpy, Jupyter Notebook, and Sklearn Incorporate a pragmatic feedback loop that continually improves the efficiency of your workflows and systems Develop cloud AI solutions with Google Cloud Platform, including TPU, Colaboratory, and Datalab services Define Amazon Web Services cloud AI workflows, including spot instances, code pipelines, boto, and more Work with Microsoft Azure AI APIs Walk through building six real-world AI applications, from start to finish Register your book for convenient access to downloads, updates, and/or corrections as they become available. See inside book for details. Definitive, Comprehensive SCEA Exam Prep—Straight from Sun's Exam Developers! This book delivers complete, focused review for Sun's new Sun Certified Enterprise Architect (SCEA) for Java EE certification exam—straight from two of the exam's creators! SCEA lead developer/assessor Mark Cade and SCEA lead developer/assessor Humphrey Sheil offer powerful insights, real-world architectural case studies, and challenging sample questions that systematically prepare you for the actual exam. For every question, the authors show why the right answers are right—and why the other answers are wrong. Cade and Sheil cover every SCEA exam topic, skill, and technique, including: Understanding system architecture and its goals Decomposing larger systems into components organized by tiers or layers Addressing requirements for scalability, maintainability, reliability, availability, extensibility, performance, and security Building effective web (presentation) tiers, and analyzing tradeoffs associated with using web frameworks Leveraging EJB 3's enhancements for business tier development Covering new enhancements in the JEE 5 platform Choosing and architecting the best integration and messaging components for your system Using the Java security model to enforce confidentiality, integrity, authorization, authentication, and non-repudiation Using the most powerful and useful Java EE architecture patterns Documenting Java EE architectures through visual models and narratives The authors also present detailed guidance for handling every element of the SCEA exam—including your development and defense of a complete real-world architectural solution. 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 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. The Pega Certified Senior System Architect (PCSSA) exam test is for Pega Architects who wish to increase their Pega skills. It is especially useful for those leading or participating in projects. This certification includes all the questions you will face in the exam center. This certification validates your ability to use Pega to design and build

for reusability across multiple lines of business. Preparing for the Pega Certified Senior System Architect (PCSSA) exam to become a Certified Senior System Architect (PCSSA) expert by Pega? Here we have brought Best Exam Questions for you so that you can prepare well for this Exam of Certified Senior System Architect (PCSSA). Unlike other online simulation practice tests, you get a Paperback version that is easy to read & remember these questions. You can simply rely on these questions for successfully certifying this exam. New or intermediate developers will want to use this hands-on guide to prepare for the Salesforce Certified Platform App Builder credential, awarded for designing, building, and implementing applications using the declarative customization capabilities of the Salesforce Platform. This is the first book available covering this content, and Salesforce training is very costly. This book is filled with real-world examples and hands-on exercises, enabling you to prepare for the certification exam in a short span of time. Multiple-choice study questions and exercises are included to help you apply what you learn in each chapter. Author Rakesh Gupta explains Salesforce Platform fundamentals, including knowledge about the limitations of the declarative platform and when to use programmatic development versus the AppExchange. Data management and data analytics are covered. And you will learn how to set up organization-wide features that affect the look and feel of your application. Sandbox design patterns and process automation tools available in Salesforce are discussed and you will know when to use them. You will become familiar with a wide array of topics, including designing a mobile app and reporting in Salesforce. What You Will Learn Know when to use declarative development versus programmatic development versus the AppExchange Understand the Salesforce data model, field type (when to use which fields), and how and when to use an external object in Salesforce Be familiar with security and settings in Salesforce See how easily users can migrate to the Lightning experience from the classic platform Implement business process automation using declarative features Apply the automation process in Salesforce Utilize Process Builder and manage its power to automate business processes Use sandboxes and deployment tools Who This Book Is For New or intermediate Salesforce developers or anyone in the Salesforce development arena who wants to learn or explore the platform Master Amazon Web Services solution delivery and efficiently prepare for the AWS Certified SAA-C03 Exam with this all-in-one study guide The AWS Certified Solutions Architect Study Guide: Associate (SAA-C03) Exam, 4th Edition comprehensively and effectively prepares you for the challenging SAA-C03 Exam. This Study Guide contains efficient and accurate study tools that will help you succeed on the exam. It offers access to the Sybex online learning environment and test bank, containing hundreds of test questions, bonus practice exams, a glossary of key terms, and electronic flashcards. In this complete and authoritative exam prep blueprint, Ben Piper and David Clinton show you how to: Design resilient AWS architectures Create high-performing solutions Craft secure applications and architectures Design inexpensive and cost-optimized architectures An essential resource for anyone trying to start a new career as an Amazon Web Services cloud solutions architect, the AWS Certified Solutions Architect Study Guide: Associate (SAA-C03) Exam, 4th Edition will also prove invaluable to currently practicing AWS professionals looking to brush up on the fundamentals of their work. This practical guide brings DevOps principles to Salesforce development. It fits together two major movements within the IT world: the movement to Software/Platform as a Service (SaaS/PaaS), and the DevOps movement. While SaaS and PaaS allow companies to invest in their core competencies rather than maintain their own infrastructure, the goal of DevOps is to optimize the process of delivering software innovation and value. The release of Salesforce DX in late 2017 unlocks the possibility of a true DevOps workflow on Salesforce. But DevOps is new to the Salesforce world and there is not a widespread understanding of its goals and methods, and so adoption of Salesforce DX is still in the early stages. Mastering Salesforce DevOps explains how to build a powerful and comprehensive DevOps workflow for Salesforce—allowing you to finally deploy the world's most innovative platform using the world's most effective and efficient techniques. It addresses the need for a comprehensive guide to DevOps for Salesforce, allowing teams to bring proven practices from the IT world to resolve the hardest problems facing Salesforce developers today. What You Will Learn Improve company performance and software delivery performance using Salesforce DX Translate DevOps concepts into the unique language and practices of Salesforce Understand why and how you can implement Salesforce DX to achieve greater productivity and innovation Enable continuous delivery on Salesforce Build packages and architect code so it can be deployed easily Allow admins to participate in what has traditionally been a developer workflow Know the techniques for reducing the stress and risk of deployment Apply the full range of automated tests that can be used on Salesforce Who This Book Is for Salesforce developers, release managers, and those managing Salesforce development teams who need a guide to DevOps, and DevOps specialists who need to apply familiar concepts to Salesforce Harness the power of Apex design patterns to build robust and scalable code architectures on the Force.com platform About This Book Apply Creational, Structural and behavioural patterns in Apex to fix governor limit issues. Have a grasp of the anti patterns to be taken care in Apex which could have adverse effect on the application. The authors, Jitendra Zaa is a salesforce MVP and Anshul Verma has 12+ years of experience in the area of application development. Who This Book Is For If you are a competent developer with working knowledge of Apex, and now want to deep dive into

the world of Apex design patterns to optimize the application performance, then this book is for you. Prior knowledge of Salesforce and Force.com platform is recommended. What You Will Learn Apply OOPs principal in Apex to design a robust and efficient solution to address various facets to a business problem Get to grips with the benefits and applicability of using different design patterns in Apex Solve problems while instantiating, structuring and giving dynamic behavior to Apex classes Understand the implementation of creational, structural, behavioral, concurrency and anti-patterns in your application Follow the Apex best practices to resolve governor limit issues Get clued up about the Inheritance, abstract classes, polymorphism in Apex to deal with the object mechanism Master various design patterns and determine the best out of them Explore the anti patterns that could not be applied to Apex and their appropriate solutions In Detail Apex is an on-demand programming language providing a complete set of features for building business applications – including data models and objects to manage data. Apex being a proprietior programming language from Salesforce to be worked with multi tenant environment is a lot different than traditional OOPs languages like Java and C#. It acts as a workflow engine for managing collaboration of the data between users, a user interface model to handle forms and other interactions, and a SOAP API for programmatic access and integration. Apex Design Patterns gives you an insight to several problematic situations that can arise while developing on Force.com platform and the usage of Design patterns to solve them. Packed with real life examples, it gives you a walkthrough from learning design patterns that Apex can offer us, to implementing the appropriate ones in your own application. Furthermore, we learn about the creational patterns that deal with object creation mechanism and structural patterns that helps to identify the relationship between entities. Also, the behavioural and concurrency patterns are put forward explaining the communication between objects and multi-threaded programming paradigm respectively. We later on, deal with the issues regarding structuring of classes, instantiating or how to give a dynamic behaviour at a runtime, with the help of anti-patterns. We learn the basic OOPs principal in polymorphic and modular way to enhance its capability. Also, best practices of writing Apex code are explained to differentiate between the implementation of appropriate patterns. This book will also explain some unique patterns that could be applied to get around governor limits. By the end of this book, you will be a maestro in developing your applications on Force.com for Salesforce Style and approach This book is a step-by-step guide, complete with well-tested programs and real world situations to solve your common occurring problems in Apex design by using the anti-patterns. It gets crackling from exploring every appropriate solution to comparing the best one as per OOps principal. Implement DevOps for Salesforce and explore its features Key Features Learn DevOps principles and techniques for enterprise operations in Salesforce Implement Continuous Integration and Continuous Delivery using tools such as Jenkins and Ant script Use the Force.com Migration Tool and Git to achieve versioning in Salesforce Book Description Salesforce is one of the top CRM tools used these days, and with its immense functionalities and features, it eases the functioning of an enterprise in various areas of sales, marketing, and finance, among others. Deploying Salesforce applications is a tricky event, and it can get quite taxing for admins and consultants. This book addresses all the problems that you might encounter while trying to deploy your applications and shows you how to resort to DevOps to take these challenges head on. Beginning with an overview of the development and delivery process of a Salesforce app, DevOps for Salesforce covers various types of sandboxing and helps you understand when to choose which type. You will then see how different it is to deploy with Salesforce as compared to deploying with another app. You will learn how to leverage a migration tool and automate deployment using the latest and most popular tools in the ecosystem. This book explores topics such as version control and DevOps techniques such as Continuous Integration, Continuous Delivery, and testing. Finally, the book will conclude by showing you how to track bugs in your application changes using monitoring tools and how to quantify your productivity and ROI. By the end of the book, you will have acquired skills to create, test, and effectively deploy your applications by leveraging the features of DevOps. What you will learn Implement DevOps for Salesforce and understand the benefits it offers Abstract the features of Force.com Migration Tool to migrate and retrieve metadata Develop your own CI/CD Pipeline for Salesforce project Use Quality to perform scriptless automation for Continuous Testing Track application changes using Bugzilla Apply Salesforce best practices to implement DevOps Who this book is for If you are a Salesforce developer, consultant, or manager who wants to learn DevOps tools and set up pipelines for small as well as large Salesforce projects, this book is for you. The ultimate handbook for new and seasoned Salesforce B2C Solution Architects who want to design seamless B2C solutions across the Salesforce Customer 360 ecosystem – including B2C Commerce, Service Cloud, and Marketing Cloud Key Features Give your customers a frictionless experience by creating a unified view of all their interactions Get your architectural design right the first time and avoid costly reworks Prepare for the B2C Solution Architect exam and Salesforce certification with practical scenarios following Salesforce best practices Book Description There's a huge demand on the market for Salesforce professionals who can create a single view of the customer across the Salesforce Customer 360 platform and leverage data into actionable insights. With Salesforce B2C Solution Architect's Handbook, you'll gain a deeper understanding of the integration options and products that help you deliver value for

organizations. While this book will help you prepare for the B2C Solution Architect exam, its true value lies in setting you up for success afterwards. The first few chapters will help you develop a solid understanding of the capabilities of each component in the Customer 360 ecosystem, their data models, and governance. As you progress, you'll explore the role of a B2C solution architect in planning critical requirements and implementation sequences to avoid costly reworks and unnecessary delays. You'll learn about the available options for integrating products with the Salesforce ecosystem and demonstrate best practices for data modeling across Salesforce products and beyond. Once you've mastered the core knowledge, you'll also learn about tools, techniques, and certification scenarios in preparation for the B2C Solution Architect exam. By the end of this book, you'll have the skills to design scalable, secure, and future-proof solutions supporting critical business demands. What you will learn

Explore key Customer 360 products and their integration options Choose the optimum integration architecture to unify data and experiences Architect a single view of the customer to support service, marketing, and commerce Plan for critical requirements, design decisions, and implementation sequences to avoid sub-optimal solutions Integrate Customer 360 solutions into a single-source-of-truth solution such as a master data model Support business needs that require functionality from more than one component by orchestrating data and user flows

Who this book is for This book is for professionals in high-level job roles that heavily rely on Salesforce proficiency. It's primarily written for B2C commerce architects, application architects, integration architects, as well as system architects, enterprise architects, Salesforce architects, and CTO teams looking to benefit from a deeper understanding of this platform. Before you get started, you'll need a solid understanding of data integration, APIs, and connected systems, along with knowledge of the fundamentals of business-to-consumer (B2C) customer experiences. Master the intricacies of Amazon Web Services and efficiently prepare for the SAA-C02 Exam with this comprehensive study guide

AWS Certified Solutions Study Guide: Associate (SAA-C02) Exam, Third Edition comprehensively and efficiently prepares you for the SAA-C02 Exam. The study guide contains robust and effective study tools that will help you succeed on the exam. The guide grants you access to the regularly updated Sybex online learning environment and test bank, which contains hundreds of test questions, bonus practice exams, electronic flashcards, and a glossary of key terms. In this study guide, accomplished and experienced authors Ben Piper and David Clinton show you how to:

- Design resilient architectures
- Create high-performing architectures
- Craft secure applications and architectures
- Design cost-optimized architectures

Perfect for anyone who hopes to begin a new career as an Amazon Web Services cloud professional, the study guide also belongs on the bookshelf of any existing AWS professional who wants to brush up on the fundamentals of their profession. With this **ESSENTIAL EXAM TRAINING** for the AWS Certified Solutions Architect Associate, you'll learn everything you need to know to ace your exam! The powerful combination of exam cram essentials (in this book) and video course (accessible online) will prepare you thoroughly for the real exam so that you get to pass with flying colors. This book is the perfect tool for quick revision of the most important facts before you sit your exam. With the purchase of this book, you get FREE access to the popular video course for the AWS Certified Solutions Architect Associate from Digital Cloud Training. Gain the edge on exam day and learn how to master the cloud in the real world. This in-depth training combines hands-on practical exercises with a high-quality level of theoretical training. By the end of the course, you will have developed a strong experience-based skillset on AWS along with the confidence to ace your AWS Solutions Architect exam first time!

REFLECTING LATEST SAA-C02 EXAM: New content has been added to these training materials covering all of the new topics of the latest SAA-C02 exam blueprint

28 HOURS OF GUIDED HANDS-ON LECTURES: Learn how to architect and build applications on Amazon Web Services (AWS)

QUIZ QUESTIONS: At the end of each section, you get to test your understanding and measure your progress

HIGH-QUALITY VISUALS: We've spared no effort to create a highly visual training course with lots of tables and graphs to illustrate the concepts

PRESENTED IN A PROFESSIONAL WAY: Your instructor, Neal Davis, uses clear language and presents the material in a professional way

Fast-track your exam success and join the AWS Community of over 150,000 students who have enrolled in the Digital Cloud Training Courses. Become a Professional Cloud Architect by exploring essential concepts, tools, and services in GCP and working through tests designed to help you get certified

Key Features Plan and design a GCP cloud solution architecture Ensure the security and reliability of your cloud solutions and operations Test yourself by taking mock tests with up-to-date exam questions

Book Description Google Cloud Platform (GCP) is one of the leading cloud service suites and offers solutions for storage, analytics, big data, machine learning, and application development. It features an array of services that can help organizations to get the best out of their infrastructure. This comprehensive guide covers a variety of topics specific to Google's Professional Cloud Architect official exam syllabus and guides you in using the right methods for effective use of GCP services. You'll start by exploring GCP, understanding the benefits of becoming a certified architect, and learning how to register for the exam. You'll then delve into the core services that GCP offers such as computing, storage, and security. As you advance, this GCP book will help you get up to speed with methods to scale and automate your cloud infrastructure and delve into containers and services. In the concluding chapters, you'll

discover security best practices and even gain insights into designing applications with GCP services and monitoring your infrastructure as a GCP architect. By the end of this book, you will be well versed in all the topics required to pass Google's Professional Cloud Architect exam and use GCP services effectively. What you will learn

Manage your GCP infrastructure with Google Cloud management options such as CloudShell and SDK

Understand the use cases for different storage options

Design a solution with security and compliance in mind

Monitor GCP compute options

Discover machine learning and the different machine learning models offered by GCP

Understand what services need to be used when planning and designing your architecture

Who this book is for

If you are a cloud architect, cloud engineer, administrator, or any IT professional who wants to learn how to implement Google Cloud services in your organization and become a GCP Certified Professional Cloud Architect, this book is for you. Basic knowledge of server infrastructure, including Linux and Windows Servers, is assumed. Knowledge of network and storage will also be helpful. Become a proficient Microsoft Azure solutions architect

Azure certifications are critical to the millions of IT professionals Microsoft has certified as MCSE and MCSA in Windows Server in the last 20 years. All of these professionals need to certify in key Azure exams to stay current and advance in their careers. Exams AZ-303 and AZ-304 are the key solutions architect exams that experienced Windows professionals will find most useful at the intermediate and advanced points of their careers. Microsoft Azure Architect Technologies and Design Complete Study Guide Exams AZ-303 and AZ-304 covers the two critical Microsoft Azure exams that intermediate and advanced Microsoft IT professionals will need to show proficiency as their organizations move to the Azure cloud.

Understand Azure Set up your Microsoft Cloud network Solve real-world problems Get the confidence to pass the exam

By learning all of these things plus using the Study Guide review questions and practice exams, the reader will be ready to take the exam and perform the job with confidence. Prepare for Microsoft Exam AZ-303—and help demonstrate your real-world mastery of architecting high-value Microsoft Azure solutions for your organization or customers. Designed for modern IT professionals, this Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft Certified Expert level. Focus on the expertise measured by these objectives:

- Implement and monitor an Azure infrastructure
- Implement management and security solutions
- Implement solutions for apps
- Implement and manage data platforms

This Microsoft Exam Ref:

- Organizes its coverage by exam objectives
- Features strategic, what-if scenarios to challenge you
- Assumes you are an IT professional who wants to demonstrate your ability to design modern Microsoft Azure solutions involving compute, network, storage, and security

About the Exam

Exam AZ-303 focuses on knowledge needed to implement cloud infrastructure monitoring, storage accounts, and VMs (Windows and Linux); automate resource deployment and configuration; implement virtual networking and Azure Active Directory; implement and manage hybrid identities; manage Azure workloads; implement Azure Site Recovery; implement application infrastructure; manage application security; implement load balancing and network security; integrate Azure virtual networks with on-premises networks; implement and manage Azure governance solutions; manage Role-Based Access Control; implement application infrastructure and container-based apps; implement NoSQL and Azure SQL databases; and implement Azure SQL database managed instances.

About Microsoft Certification

Passing this exam and Exam AZ-304: Microsoft Azure Architect Design fulfills your requirements for the Microsoft Certified: Azure Solutions Architect Expert credential, demonstrating your expertise in compute, network, storage, and security for designing and implementing modern cloudbased solutions that run on Microsoft Azure. See full details at: microsoft.com/learn

This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book.

Learn, prepare, and practice for AWS Certified Solutions Architect - Associate (SAA-C02) exam success with this Cert Guide from Pearson IT Certification, a leader in IT certification.

- * Master AWS Certified Solutions Architect - Associate (SAA-C02) exam topics
- * Assess your knowledge with chapter-ending quizzes
- * Review key concepts with exam preparation tasks

AWS Certified Solutions Architect - Associate (SAA-C02) Cert Guide from Pearson IT Certification prepares you to succeed on the exam by directly addressing the exam's official objectives as stated by Amazon. Leading Cloud expert Mark Wilkins shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test-preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. Well regarded for its level of detail, assessment features, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will help you succeed on the exam the first time. This study guide helps you master all the topics on the AWS Certified Solutions Architect - Associate (SAA-C02) exam, including

- * Resilient Architectures: multi-tier architecture solutions; highly available and/or fault-tolerant architectures; decoupling mechanisms using AWS services; resilient storage
- * High-Performing Architectures:

elastic and scalable compute solutions; high-performing and scalable storage solutions, networking solutions, and database solutions * Secure Applications and Architectures: secure access to AWS resources; secure application tiers; data security options * Cost-Optimized Architectures: cost-effective storage solutions and compute and database services; cost-optimized network architectures The complete reference guide to the hot technology of cloud computing Its potential for lowering IT costs makes cloud computing a major force for both IT vendors and users; it is expected to gain momentum rapidly with the launch of Office Web Apps later this year. Because cloud computing involves various technologies, protocols, platforms, and infrastructure elements, this comprehensive reference is just what you need if you'll be using or implementing cloud computing. Cloud computing offers significant cost savings by eliminating upfront expenses for hardware and software; its growing popularity is expected to skyrocket when Microsoft introduces Office Web Apps This comprehensive guide helps define what cloud computing is and thoroughly explores the technologies, protocols, platforms and infrastructure that make it so desirable Covers mobile cloud computing, a significant area due to ever-increasing cell phone and smartphone use Focuses on the platforms and technologies essential to cloud computing Anyone involved with planning, implementing, using, or maintaining a cloud computing project will rely on the information in Cloud Computing Bible. Take a deep dive into the architectural approach, best practices, and key considerations needed to comprehend, evaluate, and design an efficient, scalable, and sustainable Salesforce-based solution. This book takes a comprehensive look at the seven architectural domains that must be considered when architecting a Salesforce-based solution and equips you to develop the artifacts needed for an end-to-end enterprise architecture blueprint for Salesforce implementation and DevOps. This must-have handbook helps Salesforce professionals implement and manage Salesforce in their organization. You will learn Salesforce architecture: solution architecture, data architecture, security architecture, integration architecture, identity and access management architecture, and strategies that can be used for Salesforce-based mobile applications. In addition to the main architecture concepts, the book also offers industry best practices and the recommended framework for approaching, managing, delivering, and continuously improving a Salesforce solution using its Salesforce Development & Deployment Lifecycle. What You Will Learn Get a detailed overview of the Salesforce multi-tenant, metadata-driven architectural framework and the under-the-hood technology stack that supports Salesforce Know the seven architecture domains, their intricacies, and the considerations needed within each when designing a Salesforce solution Have an architectural mindset and the artifacts needed to architect an end-to-end enterprise-level implementation of Salesforce Be familiar with the most common Salesforce products, licenses, AppExchange products, and the key considerations of using out-of-the-box declarative capabilities vs custom programmatic capabilities of Salesforce Understand data architecture design considerations that include data modeling in Salesforce, identifying and mitigating large data volume concerns, and the key considerations for data migration and data archiving strategies Understand security architecture considerations related to securing data within Salesforce and the various approaches to allow or restrict sharing and visibility from within Salesforce Understand integration architecture considerations that provide an overview of the integration patterns and the integrations solutions that can be used with Salesforce to connect Salesforce with a remote system hosted on-premises, on the cloud, or by third-party solution providers Understand identity and access management architectural considerations across the 9 stages of an identity and access management lifecycle Be aware of the strategies available to design mobile solutions with Salesforce and the options available for Salesforce mobile architecture Employ the principles of the DevOps & Development Lifecycle needed for an ideal state Salesforce implementation Who This Book Is For Professionals interested in implementing, optimizing, and architecting Salesforce solutions enterprise-wide; Salesforce implementation (SI) partners needing a detailed playbook for architecting and delivering successful Salesforce solutions; Salesforce admins, developers, and architects looking for a one-stop educational resource to mastering the Salesforce architect domains or those pursuing the Salesforce architecture domain certification exams, including the Salesforce Certified Technical Architect (CTA) board exam

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