Exam Readiness Intensive Workshop: AWS Certified Solutions Architect - Associate

Course ID #: 7000-480-ZZ-Z

Hours: 35

Course Content

Course Description:

In this course, you will cover the fundamentals of building IT infrastructure on AWS, so you can build scalable and resilient solutions in the cloud, by spending the first 3 days on the Architecting on AWS course. You'll start getting in the exam readiness mindset with bonus end of module quizzes. Next, you'll learn strategies to answer exam questions and avoid common mistakes with the Exam Readiness: AWS Certified Solutions Architect – Associate half-day course. The course broadens attendees' knowledge of AWS services with deep dives into Amazon Redshift, Amazon Kinesis, and AWS Key Management Service, and then concludes with two quizzes and an instructor guided review of the AWS Certified Solutions Architect – Associate practice exam.

Course Objectives:

In this course, you will learn to:
- Make architectural decisions based on AWS architectural principles and best practices
- Leverage AWS services to make your infrastructure scalable, reliable, and highly available
- Leverage AWS Managed Services to enable greater flexibility and resiliency in an infrastructure
- Make an AWS-based infrastructure more efficient to increase performance and reduce costs
- Use the Well-Architected Framework to improve architectures with AWS solutions
- Navigate the logistics of the examination process, exam structure, and question types
- Identify how questions relate to AWS architectural concepts
- Interpret the concepts being tested by an exam question

Prerequisites:

- At least 6 to 12 months of hands-on experience designing with AWS services
- Hands-on experience using compute, networking, storage, and database AWS services
- An understanding of the basic architectural principles of building on the AWS cloud
- An understanding of the AWS global infrastructure

Target Audience:

- Solutions architects and cloud architects seeking their AWS Certified Solutions Architect –Associate certification
- Individuals who have 6 to 12 months of experience with AWS including a strong architecture background and experience
- Individuals who prefer an instructor led course for training and exam readiness
- Individuals who have not taken the Architecting on AWS course in the last ~6 months

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Topics:

Day 1: Architecting on AWS
- Introduction
- The Simplest Architectures

Lab: Hosting a Static Website
- Adding a Compute Layer
- Adding a Database Layer

Lab: Deploying a Web Application on AWS
- Networking in AWS Part 1

Lab: Creating a Virtual Private Cloud

Day 2: Architecting on AWS (continued)
- Networking in AWS Part 2
- AWS Identity and Access Management (IAM)
- Elasticity, High Availability, and Monitoring

Lab: Creating a Highly Available Environment
- Automation

Lab: Automating Infrastructure Deployment with AWS CloudFormation
- Caching

Day 3: Architecting on AWS (continued)
- Building Decoupled Architectures
- Microservices and Serverless Architectures

Lab: Implementing a Serverless Architecture with AWS Managed Services
- RTP/RPO and Backup Recovery Setup
- Optimizations and Review

Day 4: Exam Readiness: AWS Certified Solutions Architect -- Associate
- The Exam
- Design Resilient Architectures
- Design Performant Architectures
- Specify Secure Applications and Architectures
- Design Cost-Optimized Architectures
- Define Operationally Excellent Architectures

Exam Readiness
- Additional deep dive of AWS services
- Quiz #1

Day 5: Exam Readiness
- Practice exam: AWS Certified Solutions Architect – Associate
- Quiz #2
- Wrap-up

Register for this class by visiting us at:
www.tcworkshop.com or calling us at 800-639-3535