Course Outline:

Day
Architecting on AWS

- Module 1: Introduction
- Module 2: The Simplest Architectures
- Hands-On Lab 1: Hosting a Static Website
- Module 3: Adding a Compute Layer
- Module 4: Adding a Database Layer
- Hands-On Lab 2: Deploying a Web Application on AWS
- Module 5: Networking in AWS Part 1
- Hands-On Lab 3: Creating a Virtual Private Cloud

Day
Architecting on AWS (continued)

- Module 6: Networking in AWS Part 2
- Module 7: AWS Identity and Access Management (IAM)
- Module 8: Elasticity, High Availability, and Monitoring
- Hands-On Lab 4: Creating a Highly Available Environment
- Module 9: Automation
- Hands-On Lab 5: Automating Infrastructure Deployment with AWS CloudFormation
- Module 10: Caching

Day
Architecting on AWS (continued)

- Module 11: Building Decoupled Architectures
- Module 12: Microservices and Serverless Architectures
- Hands-On Lab 6: Implementing a Serverless Architecture with AWS Managed Services
- Module 13: RTP/RPO and Backup Recovery Setup
- Module 14: Optimizations and Review

Day
Exam Readiness: AWS Certified Solutions Architect -- Associate

- Module 0: The Exam
- Module 1: Design Resilient Architectures
- Module 2: Design Performant Architectures
- Module 3: Specify Secure Applications and Architectures
- Module 4: Design Cost-Optimized Architectures
- Module 5: Define Operationally Excellent Architectures

Exam Readiness

- Additional deep dive of AWS services
- Quiz #1

Exam Readiness

- Practice exam: AWS Certified Solutions Architect – Associate
- Quiz #2
- Wrap-up