Architecting on AWS Accelerator (AWS-ARCH-AX)

COURSE OVERVIEW

This course combines Architecting on AWS and Advanced Architecting on AWS to offer a comprehensive, immersive course in cloud architecture. It covers all aspects of how to architect for the cloud over 4.5 days. You will learn how to design cloud architectures, starting small and working to large-scale enterprise-level designs—and everything in between. Starting with the Well-Architected Framework, you will be immersed in AWS services like compute, storage, database, networking, security, monitoring, automation, optimization, benefits of de-coupling applications and serverless, building for resilience, and understanding costs. Using hands-on labs, you will apply knowledge from lectures to gain skills.

WHO WILL BENEFIT FROM THIS COURSE?
- Solutions Architects who are new to designing and building cloud architectures
- Data Center Architects who are migrating from an on-premises environment to cloud architectures
- Other IT/cloud roles who want to understand how to design and build cloud architectures

PREREQUISITES

We recommend that attendees of this course have the following prerequisites:
- Familiarity with AWS cloud computing, which can be learned in AWS Technical Essentials
- Some familiarity with TCP/IP networking concepts such as VPNs, routing, subnets/gateways, and user permissions
- Familiarity with and knowledge of multi-tier architectures and distributed systems

COURSE OBJECTIVES

After completing this course, you should be able to….
- Make architectural decisions based on AWS architectural principles and best practices
- Use AWS services to make your infrastructure scalable, reliable, and highly available
- Use 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

COURSE OUTLINE
- The Well-Architected Framework
- Networking with AWS
- Core AWS concepts, knowledge, and services, including designing your environment and making your environment highly available
- Event-driven scaling
- Automation

- Decoupling
- Building for resilience
- Optimization
- Serverless designs
- Data security
- Advance networking topics
- Migration
- How to grow your architecture from small to extremely large

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WHY TRAIN WITH SUNSET LEARNING INSTITUTE?

Sunset Learning Institute (SLI) has been an innovative leader in developing and delivering authorized technical training since 1996. Our goal is to help our customers optimize their technology Investments by providing convenient, high quality technical training that our customers can rely on. We empower students to master their desired technologies for their unique environments.

What sets SLI apart is not only our immense selection of trainings options, but our convenient and consistent delivery system. No matter how complex your environment is or where you are located, SLI is sure to have a training solution that you can count on!

Premiere World Class Instruction Team
- All SLI instructors have a four-year technical degree, instructor level certifications and field consulting work experience
- Sunset Learning has won numerous Instructor Excellence and Instructor Quality Distinction awards since 2012

Enhanced Learning Experience
- The goal of our instructors during class is ensure students understand the material, guide them through our labs and encourage questions and interactive discussions.

Convenient and Reliable Training Experience
- You have the option to attend classes live with the instructor, at any of our established training facilities, or from the convenience of your home or office
- All Sunset Learning Institute classes are guaranteed to run – you can count on us to deliver the training you need when you need it!

Outstanding Customer Service
- You will work with a dedicated account manager to suggest the optimal learning path for you and/or your team
- An enthusiastic student services team is available to answer any questions and ensure a quality training experience

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