

Architecting on AWS

Download Whitepaper: Accelerate Your Modernization Efforts with a Cloud-Native Strategy
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Course Number: AWS-ARCH

Duration: 3 days

Prerequisite Courses

Essentials for Getting Started - AWS Technical Essentials

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Overview

Course Description

Architecting on AWS is for solutions architects, solution-design engineers, and developers who seek an understanding of Amazon Web Services (AWS) architecting. In this course, you will learn to identify services and features to build resilient, secure, and highly available IT solutions on the AWS Cloud. Architectural solutions differ depending on industry, types of applications, and business size. AWS Authorized Instructors emphasize best practices by using the AWS Well-Architected Framework. They guide you through the process of designing optimal IT solutions based on real-life scenarios. The modules focus on account security, networking, compute, storage, databases, monitoring, automation, containers, serverless architecture, edge services, and backup and recovery. At the end of the course, you will practice building a solution and apply what you have learned.

Skills Gained

- Identify AWS architecting basic practices.
- Summarize the fundamentals of account security.
- Identify strategies to build a secure virtual network that includes private and public subnets.
- Practice building a multi-tier architecture in AWS.
- Identify strategies to select the appropriate compute resources based on business use cases.
- Compare and contrast AWS storage products and services based on business scenarios.
- Compare and contrast AWS database services based on business needs.
- Identify the role of monitoring, load balancing, and auto scaling responses based on business needs.
- Identify and discuss AWS automation tools that will help you build, maintain, and evolve your infrastructure.
- Discuss hybrid networking, network peering, and gateway and routing solutions to extend and secure your infrastructure.
- Explore AWS container services for the rapid implementation of an infrastructure-agnostic, portable application environment.
- Identify the business and security benefits of AWS serverless services based on business examples.
- Discuss the ways in which AWS edge services address latency and security.
- Explore AWS backup, recovery solutions, and best practices to ensure resiliency and business continuity.

Who Can Benefit

This course is intended for:

- Solution architects
- Solution
- design engineers
- Developers who are seeking an understanding of AWS architecting
- Individuals who are seeking the AWS Solutions Architect
- Associate certification

Audience

Course Details

Delivery Method

This course is delivered through a mix of:

- Instructor-led Training
- Hands-on Labs

Day 1

- Course and Student Introductions
- Architecting Fundamentals

Day 2

- Storage
- Database Services

Day 3

- Networking, part 2
- Build a Serverless Architecture

Related Certifications

Authorized training from Ascendient is created and maintained by the vendor who also creates the certification exams. While it may not be a requirement of certification to attend a vendor-authorized training class, doing so will put you in the best position to successfully complete the related exams. Start training and begin working towards one of the following certifications today.

Professional

AWS Certified Solutions Architect - Professional

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Associate

AWS Certified Solutions Architect - Associate

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Specialty

AWS Certified Security Certification - Specialty

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Objectives

Follow-on Courses

Browse the suggested follow-on courses below and continue your training journey. We offer training in various learning formats, from instructor-led to virtual, so you can choose what works best for you. Get started by selecting a course to learn more.

Architect - Advanced Architecting on AWS

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Security - Security Engineering on AWS

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