



## Advanced Architecting on AWS

- 3 Days
- Lecture and Hands-on Labs

### Course Overview

Building on concepts introduced in Architecting on AWS, Advanced Architecting on AWS is intended for individuals who are experienced with designing scalable and elastic applications on the AWS platform. Building on concepts introduced in Architecting on AWS, this course covers how to build complex solutions which incorporate data services, governance, and security on AWS. This course introduces specialized AWS services, including AWS Direct Connect and AWS Storage Gateway to support Hybrid architecture. It also covers designing best practices for building scalable, elastic, secure, and highly available applications on AWS.

Review this course online at <https://www.alta3.com/courses/aws-advarc>

### Who Should Attend

- Cloud architects
- Solutions architects
- IT professionals designing cloud infrastructures

### What You'll Learn

- Review the AWS Well-Architected Framework to ensure best practices.
- Demonstrate secure Amazon S3 VPC endpoint connections.
- Implement centralized permissions management with AWS Organizations and AWS SSO.
- Explore hybrid infrastructure solutions and products for optimized service.

### Outline

#### Day 1

1. Module 1: Reviewing Architecting Concepts
2. Module 2: Single to Multiple Accounts
3. Module 3: Hybrid Connectivity
4. Module 4: Specialized Infrastructure
5. Module 5: Connecting Networks ##### Day 2
6. Module 6: Containers
7. Module 7: Continuous Integration/Continuous Delivery (CI/CD)
8. Module 8: High Availability and DDoS Protection
9. Module 9: Securing Data
10. Module 10: Large-Scale Data Stores ##### Day 3
11. Module 11: Large-Scale Applications
12. Module 12: Optimizing Cost
13. Module 13: Migrating Workloads
14. Module 14: Capstone Project

## Prerequisites

- Knowledge and experience with core AWS services from the Compute, Storage, Networking, and AWS Identity and Access Management (IAM) categories
- Attended Architecting on AWS
- Achieved AWS Certified Solutions Architect – Associate
- Have at least 1 year of experience operating AWS workloads

## Next Courses

Course 1 Course 2