Migrating to AWS

Duration: *3 Day(s)*

Course Overview

This course is for individuals who seek an understanding of how to plan and migrate existing workloads to the AWS Cloud. You will learn about various cloud migration strategies and how to apply each step of the migration process, including portfolio discovery, application migration planning and design, conducting a migration, and post-migration validation and application optimization. Hands-on labs reinforce learning, and each lab is designed to provide you with the understanding and foundation necessary to complete migration tasks in your organization. **Skills Gained:**

- Recognize the common business and technical drivers for migrating to the cloud
- Summarize the three phases of a migration and associated objectives, tasks, and stakeholders for each
- Describe AWS architecture, tools, and migration best practices
- Distinguish between the various cloud migration strategies and when each is most appropriate
- Determine an organization's application migration readiness
- Discover a portfolio and gather data necessary for migration
- Plan and design an application migration strategy
- Perform and validate application migration to the cloud
- Optimize applications and operations after migrating to the cloud

Review this course online at https://www.alta3.com/courses/AWS-MIMAWS

Objectives

- Understand and apply various cloud migration strategies.
- Plan and design effective application migration strategies.
- Conduct and validate successful AWS cloud migrations.
- Optimize applications and operations post-migration.

Who Should Attend

- Solutions architects
- Software engineers
- IT project managers
- Operation leads

Prerequisites

- Familiarity with enterprise IT infrastructure (hardware and software)
- Completed the AWS Technical Essentials or Architecting on AWS classroom training
- Achieved their AWS Certified Solutions Architect – Associate certification (optional)

Course Outline

Day 1

1. Module 1: What Is a Cloud Migration?
2. Module 2: Assessing Migration Readiness

3. Module 3: Preparing for a Migration and Understanding Related Workstreams
4. Module 4: Discovering Landing Zones and Their Benefits
5. Module 5: Building a Landing Zone
6. Module 6: Discovering the Portfolio and Understanding Migration Strategies

Day 2

7. Module 7: Understanding and Choosing Portfolio Discovery Tools
8. Module 8: Planning and Designing a Migration
9. Module 9: Performing the Migration to AWS
10. Module 10: Understanding Database and Data Migration Services

Day 3

11. Module 11: Understanding Additional Migration Support Options
12. Module 12: Integrating, Validating, and Cutting Over Applications
13. Module 13: Modernizing and Optimizing an Application Migration
14. Module 14: Understanding Operations Tools, Integration Testing, and Automation
15. Module 15: Migration Best Practices