Systems Operations on AWS

Duration: *3 Day(s)*

Course Overview

This course is designed to teach those in a systems administrator or Development Operations (DevOps) role how to create automatable and repeatable deployments of networks and systems on the AWS platform. The course covers the specific AWS features and tools related to configuration and deployment, in addition to best practices for configuring and deploying systems.

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

Objectives

- Design scalable and repeatable deployments using AWS tools.
- Implement best practices for system and network configuration on AWS.
- Understand AWS services and features critical for system operations.
- Automate routine systems administration tasks on AWS.

Who Should Attend

- Systems Administrators
- Software Developers
- DevOps Engineers
- IT Infrastructure Managers

Prerequisites

AWS Technical Essentials, background in either software development or systems administration, proficiency in maintaining operating systems at the command line, basic knowledge of networking protocols (TCP/IP, HTTP)

Course Outline

Lesson 1: Understanding Systems Operations on AWS

Lesson 2: Tooling and Automation

Lesson 3: Computing (Servers)

Lesson 4: Computing (Scaling and Name Resolution)

Lesson 5: Computing (Serverless and Containers)

Lesson 6: Computing (Database Services)

Lesson 7: Networking

Lesson 8: Storing and Archiving

Lesson 9: Monitoring and Security

Lesson 10: Managing Resource Consumption

Lesson 11: Creating Automated and Repeatable Deployments