

Systems Operations on AWS Training

AWS Authorized Training · Applied Technology Academy

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.

LEVEL	DURATION	EXPERIENCE	AVERAGE SALARY	LABS
Intermediate	3 Days	1 year - AWS Technical Essentials	\$131,000	Yes

Course Overview

In this course, you will learn how to:

Understand the AWS infrastructures as it related to system operations such as the global infrastructure, core services and account security

- Use the AWS Command Line Interface, and understand additional administration and development tools
- Manage, secure, and scale compute instances on AWS
- Identify container services and services available for serverless computing
- Build virtual private networks with Amazon VPC
- Configure and manage storage options utilizing the storage services offered with AWS
- Monitor the health of your infrastructure with services such as Amazon CloudWatch, AWS CloudTrail and AWS Config
- Manage resource consumption in an AWS account using tags, Amazon CloudWatch, and AWS Trusted Advisor
- Create and configure automated and repeatable deployments with tools such as AMIs and AWS CloudFormation

Course Outline

- **Day 1**
 - Understanding Systems Operations on AWS
 - Tooling and Automation
 - Computing (Servers)
 - Computing (Scaling and Name Resolution)
- **Day 2**
 - Computing (Serverless and Containers)

- Computing (Database Services)
- Networking
- Storing and Archiving
- **Day 3**
 - Monitoring and Security
 - Managing Resource Consumption
 - Creating Automated and Repeatable Deployments

Intended Audience

This course is intended for:

- Systems administrators
- Software developers, especially those in DevOps roles

Prerequisites

We recommend that attendees of this course have the following prerequisites:

- Successfully completed the AWS Technical Essentials course
- Background in either software development or systems administration

Proficiency in maintaining operating systems at the command line, such as shell scripting in Linux environments or cmd/PowerShell in Windows

Basic knowledge of networking protocols (TCP/IP, HTTP)

Ready to enroll? Call 800.674.3550 or email Info@AppliedTechAc.com — private team cohorts, GSA MAS purchasing, military credentialing funding, VA GI Bill and VR&E and student financing available.