301-258-8200 | Sales@PhoenixTS.com | www.PhoenixTS.com

View Full Course Details including Latest Schedule Online

AWS

Cloud Operations on AWS

Learn how to create automatable and repeatable deployments of networks and systems on the AWS platform

BONUS! Cyber Phoenix Subscription Included: All Phoenix TS students receive complimentary ninety (90) day access to the Cyber Phoenix learning platform, which hosts hundreds of expert asynchronous training courses in Cybersecurity, IT, Soft Skills, and Management and more!

Course Overview

Our 3 day, instructor-led, Cloud Operations on AWS Certification Training course (formerly known as **Systems Operations on AWS**) teaches system administrators, operators, and anyone performing day-to-day operations in the AWS Cloud how to install, configure, automate, monitor, secure, maintain, and troubleshoot the services, networks, and systems on AWS necessary to support business applications. The course also covers specific AWS features, tools, and best practices related to these functions.

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

- Attended the AWS Technical Essentials course
- Background in either software development or systems administration
- Some experience with maintaining operating systems at the command line (shell scripting in Linux environments, cmd or PowerShell in Windows)
- Basic knowledge of networking protocols (TCP/IP, HTTP)

Schedule

DATE	LOCATION	
5/01/24 - 5/03/24 (3 days)	**Live Online** Open	Contact Us
5/01/24 - 5/03/24 (3 days)	**Columbia, MD** Open	Contact Us

DATE	LOCATION	
12/04/24 - 12/06/24 (3 days)	**Live Online** Open	Contact Us
12/04/24 - 12/06/24 (3 days)	**Columbia, MD** Open	Contact Us

Program Level

Advanced

Training Delivery Methods

Group Live

Duration

3 Days / 24 hours Training

CPE credits

13 NASBA CPE Credits

Field of Study

Information Technology

Advanced Prep

N/A

Course Registration

Candidates can choose to register for the course by via any of the below methods:

- Email: Sales@phoenixts.com
- Phone: 301-582-8200
- Website: www.phoenixts.com

Upon registration completion candidates are sent an automated course registration email that includes attachments with specific information on the class and location as well as pre-course study and test preparation material approved by the course vendor. The text of the email contains a registration confirmation as well as the location, date, time and contact person of the class.

Online enrolment closes three days before course start date.

On the first day of class, candidates are provided with instructions to register with the exam provider before the exam date.

Complaint Resolution Policy

To view our complete Complaint Resolution Policy policy please click here: Complaint Resolution Policy

Refunds and Cancellations

To view our complete Refund and Cancellation policy please click here: Refund and Cancellation Policy

Duration

3 Days

Price

$2,175

Course Outline

Day 1

- Module 1: Introduction to Cloud Operations on AWS
- What is Cloud Operations
- AWS Well-Architected Framework
- AWS Well-Architected Tool
- Module 2: Access Management
- AWS Identity and Access Management (IAM)
- Resources, accounts, and AWS Organizations
- Module 3: System Discovery
- Methods to interact with AWS services

- Tools for automating resource discovery
- Inventory with AWS Systems Manager and AWS Config
- Hands-On Lab: Auditing AWS Resources with AWS Systems Manager and AWS Config
- Module 4: Deploy and Update Resources
- Cloud Operations in deployments
- Tagging strategies
- Deployment using Amazon Machine Images (AMIs)
- Deployment using AWS Control Tower
- Module 5: Automate Resource Deployment
- Deployment using AWS CloudFormation
- Deployment using AWS Service Catalog
- Hands-On Lab: Infrastructure as Code

Day 2

- Module 6: Manage Resources
- AWS Systems Manager
- Hands-On Lab: Operations as Code
- Module 7: Configure Highly Available Systems
- Distributing traffic with Elastic Load Balancing
- Amazon Route 53
- Module 8: Automate Scaling
- Scaling with AWS Auto Scaling
- Scaling with Spot Instances
- Managing licenses with AWS License Manager
- Module 9: Monitor and Maintain System Health
- Monitoring and maintaining healthy workloads
- Monitoring AWS infrastructure
- Monitoring applications
- Hands-On Lab: Monitor Applications and Infrastructure
- Module 10: Data Security and System Auditing
- Maintaining a strong identity and access foundation
- Implementing detection mechanisms
- Automating incident remediation

Day 3

- Module 11: Operate Secure and Resilient Networks
- Building a secure Amazon Virtual Private Cloud (Amazon VPC)
- Networking beyond the VPC

- Module 12: Mountable Storage
- Configuring Amazon Elastic Block Store (Amazon EBS)
- Sizing Amazon EBS volumes for performance
- Using Amazon EBS snapshots
- Using Amazon Data Lifecycle Manager to manage your AWS resources
- Creating backup and data recovery plans
- Configuring shared file system storage
- Hands-On Lab: Automating with AWS Backup for Archiving and Recovery
- Module 13: Object Storage
- Deploying Amazon Simple Storage Service (Amazon S3)
- Managing storage lifecycles on Amazon S3
- Module 14: Cost Reporting, Alerts, and Optimization
- Gaining AWS cost awareness
- Using control mechanisms for cost management
- Optimizing your AWS spend and usage
- Hands-On Lab: Capstone lab for CloudOps

AWS Certified SysOps Administrator – Associate Certification

This course prepares students to sit for the AWS Certified SysOps Administrator – Associate certification. The exam is:

- Multiple choice
- 130 minutes
- $150

Exam Objectives:

- Deploy, manage, and operate scalable, highly available, and fault-tolerant systems on AWS
- Implement and control the flow of data to and from AWS
- Select the appropriate AWS service based on compute, data, or security requirements
- Identify appropriate use of AWS operational best practices
- Estimate AWS usage costs and identify operational cost control mechanisms
- Migrate on-premises workloads to AWS

BONUS! Cyber Phoenix Subscription Included: All Phoenix TS students receive complimentary

ninety (90) day access to the Cyber Phoenix learning platform, which hosts hundreds of expert asynchronous training courses in Cybersecurity, IT, Soft Skills, and Management and more!

Phoenix TS is registered with the National Association of State Boards of Accountancy (NASBA) as a sponsor of continuing professional education on the National Registry of CPE Sponsors. State boards of accountancy have final authority on the acceptance of individual courses for CPE credit. Complaints re-garding registered sponsors may be submitted to the National Registry of CPE Sponsors through its web site: www.nasbaregistry.org

Starting at **$2,175**



Price Match Guarantee

We'll match any competitor's price quote. Call us at 240-667-7757.

This **Systems Operations on AWS Certification Training** course includes:

- 3 days of instructor-led training
- Cloud Operations on AWS Certification Training book
- Notepad, pen and highlighter
- Variety of bagels, fruits, doughnuts and cereal available at the start of class*
- Tea, coffee and soda available throughout the day*
- Freshly baked cookies every afternoon*

*denotes this benefit is only available at participating locations.