

## AWS Certified SysOps Administrator Associate Track

Course#: aws-csoaa-t

Duration: 4 Days

Price: 0.00

### Course Description

This Track includes:

Technical Essentials on AWS - 1 day

Systems Operations on AWS - 3 days

AWS Technical Essentials introduces you to AWS products, services, and common solutions. It provides you with fundamentals to become more proficient in identifying AWS services so that you can make informed decisions about IT solutions based on your business requirements and get started working on AWS.

In Systems Operations on AWS course, you will learn how to create automatable and repeatable deployments of networks and systems on the AWS platform. We will explore the AWS features and tools related to configuration and deployment and best practices for configuring and deploying systems.

### Objectives

Technical Essentials on AWS course teaches you how to:

Recognize terminology and concepts as they relate to the AWS platform and navigate the AWS Management Console.

Understand the foundational services, including Amazon Elastic Compute Cloud (EC2), Amazon Virtual Private Cloud (VPC), Amazon Simple Storage Service (S3), and Amazon Elastic Block Store (EBS).

Understand the security measures AWS provides and key concepts of AWS Identity and Access Management (IAM).

Understand AWS database services, including Amazon DynamoDB and Amazon Relational Database Service (RDS).

Understand AWS management tools, including Auto Scaling, Amazon CloudWatch, Elastic Load Balancing (ELB), and AWS Trusted Advisor.

System Operations on AWS course is designed to teach you how to:

Use standard AWS infrastructure features such as Amazon Virtual Private Cloud (VPC), Amazon Elastic Compute Cloud (EC2), Elastic Load Balancing, and Auto Scaling from the command line

Use AWS CloudFormation and other automation technologies to produce stacks of AWS resources that can be deployed in an automated, repeatable fashion

Build functioning virtual private networks with Amazon VPC from the ground up using the AWS Management Console

Deploy Amazon EC2 instances using command line calls and troubleshoot the most common problems with instances

Monitor the health of Amazon EC2 instances and other AWS services

Manage user identity, AWS permissions, and security in the cloud

Manage resource consumption in an AWS account using tools such as Amazon CloudWatch, tagging, and Trusted Advisor

Select and implement the best strategy for creating reusable Amazon EC2 instances

Configure a set of Amazon EC2 instances that launch behind a load balancer, with the system scaling up and down in response to demand

Edit and troubleshoot a basic AWS CloudFormation stack definition

## **Audience**

Individuals responsible for articulating the technical benefits of AWS services to customers

Individuals interested in learning how to get started with using AWS

SysOps administrators, Solution Architects and developers interested in using AWS services

System administrators

Software developers in a DevOps role

## **Prerequisites**

There are no prerequisites for Technical Essentials on AWS course.

We recommend that attendees of Systems Operations on AWS course have the following prerequisites:

Attended the AWS 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)

## **Content**

Technical Essentials on AWS teaches you:

Introduction and History of AWS

AWS Foundational Services: EC2, VPC, S3, EBS

AWS Security, Identity, and Access Management: IAM

AWS Databases: RDS, DynamoDB

AWS Management Tools: Auto Scaling, CloudWatch, Elastic Load Balancing, Trusted Advisor

System Operations on AWS teaches you:

Overview

Computing and networking

Storage and archiving

Monitoring and managing resource consumption

Configuration management

Creating scalable, automated, and repeatable deployments