

## **AWS Certified Solutions Architect Associate Track**

**Course#:**aws-csaa-t

**Duration:**4 Days

**Price:**0.00

### **Course Description**

This Track includes:

Technical Essentials on AWS - 1 day

Architecting on AWS - 3 days

Technical Essentials- 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.

Architecting on AWS- This course shows you the fundamentals of building IT infrastructure on the AWS platform. You learn how to optimize the AWS Cloud by understanding AWS services and how they fit into cloud-based solutions. You explore best practices and design patterns to help you architect optimal IT solutions on AWS, then build and explore a variety of infrastructures through guided, hands-on activity. You learn how to create fledgling architectures and build them into robust and adaptive solutions.

### **Objectives**

In this course, you will learn 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.

Make architectural decisions based on AWS architectural principles and best practices

Leverage AWS services to make your infrastructure scalable, reliable, and highly available

Leverage AWS Managed Services to enable greater flexibility and resiliency in an infrastructure

Make an AWS-based infrastructure more efficient to increase performance and reduce costs

Use the Well Architected Framework to improve architectures with AWS solutions

## **Audience**

This course is intended for:

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

Solution design engineers

Anyone who needs to understand the scope of cloud architectures

## **Prerequisites**

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

AWS Cloud Practitioner Essentials

Working knowledge of distributed systems

Familiarity with general networking concepts

Working knowledge of multi-tier architectures

Familiarity with cloud computing concepts

## **Content**

AWS Technical Essentialsteaches 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

Architecting on AWS teaches you:

The Well-Architected Framework

Networking with AWS

Core AWS concepts, knowledge, and services, including designing your environment and making your environment highly available

Event-driven scaling

Automation

Decoupling

Serverless designs

How to grow your architecture from small to extremely large