

# **AWS Solutions Architect Certification - Professional Level**

**Modality: On Demand**

**Duration: 10 Hours**

## **About this Course:**

This course is designed to provide IT Professionals & App Developers with a comprehensive overview of the key concepts of AWS Solution Architect Certification. This professional-level certification covers the core concepts of developing, managing, and optimizing AWS Systems. The primary objective of this course is to prepare professionals for success in the AWS Certification Exam.

## **Course Objectives:**

The core objective of this course is to help professionals develop a better understanding and sound knowledge of the following key concepts:

- Virtual Private Gateway & Customer Gateway Essentials
- Architecting & Designing VPNS Solutions on AWS
- Hybrid Cloud Data Migration & VPN Subscription
- Advanced VPC Options including Network ACLs, DHCP, & Elastic Network Interface
- Scaling Direct Connect and Public/Private Interfaces
- Load Balancing, ELB Architecture, and VPC Scaling
- Amazon Redshift Clusters, Data Models, Authorization Techniques, & Use Cases
- Load Spikes Management, IAM Integration, and Dynamo Database Web Federation
- ElastiCache Clusters, Replication Groups, and Redis/Memcached Considerations
- DDOS Protection and Monitoring Pipeline Lifecycle
- CloudTrail Features and Storage Gateway Architecture & Configuration Features
- Simple WorkFlow Service Domains, Lifecycle, and Use Cases
- SNS Fundamentals, EMR Basics, and Kinesis Essentials
- Deployment Management in Elastic Beanstalk and OpsWorks Stack and Optimization

## **Audience:**

This course is tailored for the following group of professionals and interested candidates:

- IT Professionals & App Developers
- Candidates liable for Developing Scalable, Fault-Tolerant, & Available AWS Systems
- Professionals striving to Clear AWS Certification Exam (SAP-C00)
- AWS Certified Solution Architect striving for success in Advanced Certifications

## **Prerequisites:**

Professionals planning to enroll in the AWS Solutions Architect Certification – Professional Level (CT004AC) course must comply with the following prerequisites:

- AWS Solution Architect Associate-Level Certification
- Practical Knowledge of Auto Scaling, Dynamo Database, and Redshift
- Conceptual Know-how of S3, VPC, Elastic Beanstalk, EC2, IAM, ElastiCache, & RDS

## Course Outline:

This Course Includes:

- Course Introduction
- AWS Fundamentals
- Module 1: Hybrid Cloud with VPC
- Module 2: Advanced ELB
- Module 3: Advanced DynamoDB
- Module 4: ElastiCache
- Module 5: Storage Gateway
- Module 6: Elastic Beanstalk
- Module 7: OpsWorks
- Module 8: Advanced CloudFormation
- Module 9: Kinesis
- Module 10: Simple Notification Service (SNS)
- Module 11: Simple Queue Service
- Module 12: Elastic MapReduce (EMR)
- Module 13: Redshift
- Module 14: Data Security Using KMS
- Module 15: CloudHSM
- Module 16: AWS WAF
- Module 17: AWS Config
- Module 18: AWS Systems Manager
- Module 19: Well-Architect Framework
- Module 20: AWS Inspector
- Module 21: AWS Trusted Advisor
- Module 22: S3 Event Notifications
- Module 23: Amazon Lambda
- Module 24: Advanced Auto Scaling
- Module 25: CloudTrail