Advanced Architecting on AWS

Modality: Virtual Classroom

Duration: 3 Days

About this Course:

This advanced-level 5 days 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 is delivered through a mix of:

- Instructor-Led Training (ILT)
- Web-Based Training (WBT)
- Hands-On Labs

?**Day 1**

- Review of Architecting for the Cloud Best Practices and the AWS Well-Architected Framework
- AWS Account Strategies
- Advanced Networking Architectures
- Deployment Management on AWS

Day 2

- Designing Large Datastores
- Moving Large Datastores into AWS
- Big Data Architectures
- Designing for Large Scale Applications

Day 3

- Building Resilience into Your Architecture
- Data Encryption and Key Management in AWS
- Securing Data on AWS
- Designing for Performance