

Amazon Web Services – Solution Architect – Professional Workshop

Duration

4 Days

Pre-requisite

This workshop has the following prerequisites:

- Attended the Advanced Architecting on AWS course (or have equivalent knowledge)
- Two or more years hands-on experience designing and deploying cloud architecture on AWS

Target Audience

AWS Architect Associate/ Individuals who are responsible or aspiring for designing cloud infrastructure and reference architectures / Systems Engineers / System Administrators / Architects & Developers who are responsible for designing and implementing architectures on AWS

Workshop Outline

AWS Overview

High Availability and Business Continuity

- Demonstrate ability to architect the appropriate level of availability based on stakeholder requirements
- Demonstrate ability to implement DR for systems based on RPO and RTO
- Determine appropriate use of multi-Availability Zones vs. multi-Region architectures
- Demonstrate ability to implement self-healing capabilities

Costing

- Demonstrate ability to make architectural decisions that minimize and optimize infrastructure cost
- Apply the appropriate AWS account and billing set-up options based on scenario
- Ability to compare and contrast the cost implications of different architectures

Deployment Management

- Ability to manage the lifecycle of an application on AWS
- Demonstrate ability to implement the right architecture for development, testing, and staging

environments

- Position and select most appropriate AWS deployment mechanism based on scenario

Network Design

- Demonstrate ability to design and implement networking features of AWS
- Demonstrate ability to design and implement connectivity features of AWS

Data Storage

- Demonstrate ability to make architectural trade off decisions involving storage options
- Demonstrate ability to make architectural trade off decisions involving database options
- Demonstrate ability to implement the most appropriate data storage architecture
- Determine use of synchronous versus asynchronous replication

Security

- Design information security management systems and compliance controls
- Design security controls with the AWS shared responsibility model and global infrastructure
- Design identity and access management controls
- Design protection of Data at Rest controls
- Design protection of Data in Flight and Network Perimeter controls

Scalability and Elasticity

- Demonstrate the ability to design a loosely coupled system
- Demonstrate ability to implement the most appropriate front-end scaling architecture
- Demonstrate ability to implement the most appropriate middle-tier scaling architecture
- Demonstrate ability to implement the most appropriate data storage scaling architecture
- Determine trade-offs between vertical and horizontal scaling

Cloud Migration

- Plan and execute for applications migrations
- Demonstrate ability to design hybrid cloud architectures

Requirements

AWS 3 Tier Management console Access (Use the link below)

https://portal.aws.amazon.com/billing/signup?redirect_url=https%3A%2F%2Faws.amazon.com%2Fregistration-confirmation#/start

Locations offered

DreamsPlus Consulting Pvt. Ltd.

#75, Burkit Road, T.Nagar, Chennai – 600017 Ph: 044-4005 0999 / 044 42178519

On-demand Anytime Anywhere training and certificate available

Chennai, Bangalore, Hyderabad, Pune & other major cities in India, USA, UK, Middle east, Dubai & Singapore.

Offers

Early bird / Group / Corporate Group / Festive offers available

Demo Session

For a Free Demo session of 1 Hour register in the link below and inform your counselor

<https://docs.google.com/forms/d/e/1FAIpQLSdhXC9DF8cgObBKlxtZmK3b1hsbmnYX62Grxwsi96xBnLG0A/viewform>