



AWS Certified Solutions Architect - Associate

(Training leading to **AWS Certified Solutions Architect - Associate Exam**)

Course Outcome:

By being an **AWS Certified Solution Architect** - Associate, should be able to evaluate the requirements of the organization or the businesses and make architectural recommendations for implementation and deployment of the application on AWS.

While completing this course, the participants should be able to demonstrate these skills:

- Launch different servers like Linux and Manage Storage for Servers and Backups
- Design the overall Networking Environment for servers
- Scaling Servers based on needs using Auto Scaling
- Deploy, Manage & Scale applications
- Distributing traffic using Load Balancers
- Monitor Server Resources and Account activities
- Setup Database Engines and Secure Servers and Services
- Storing files securely using Object Storage method and Share Storage Disks among Servers via Network
- Speed up hosted websites using Content Delivery Network

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Syllabus

Section 1: Fundamentals of AWS Cloud Computing

- Introduction to Virtualization
- Introduction to Cloud Computing
- Cloud Environment Architecture
- Cloud Computing Models
- Introduction to Amazon Web Services
- AWS Global Infrastructure

Section 2: Elastic Compute Cloud

- Launching our first EC2 instance
- EC2 instance types & Pricing Models
- Creating AMI and Image Templates
- Understanding Security Groups - a Server-Side Firewall

Section 3: Storage

- Introduction to Block & Object storage mechanism
- Introduction to Elastic Block Store - EBS
- EBS Snapshots
- EBS Volume Types
- Instance Store Volumes

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Section 4: Elastic File System (EFS)

- Introduction to EFS
- Connect a drive via network
- Share the drive among multiple servers



Section 5: Simple Storage Service (S3)

- Introduction to Simple Storage Service (S3)
- Features of S3
- Storage Types
- Static Website Hosting
- Versioning
- Life Cycle Policy
- Cross Region Replication

Section 6: Identity & Access Management

- Understanding the IAM Policies
- IAM User, IAM Policy and IAM Role

Section 7: Simple Notification Service

- Introduction to SNS
- Create delete SNS Service

Section 8: Elastic Load Balancers and Elasticity

- Understanding High Availability Configuration
- ELB Configuration with Classic Load Balancers

Section 9: Auto Scaling

- Introduction to Auto Scaling
- Create auto scaling
- Delete auto scaling



Section 10: Virtual Private Cloud (VPC)

- Introduction to Network Switches & Virtual Private Cloud
- VPC & Subnets
- Private and Public Subnets
- Internet Gateways

Section 11: VPC Transit Gateway

- Introduction to VPC Transit Gateway
- Create VPC Transit Gateway
- Delete VPC Transit Gateway

Section 12: VPC Endpoint

- Introduction to VPC Endpoint
- Create VPC Endpoint
- Delete VPC Endpoint

Section 13: Databases

- Introduction to Relational Databases
- Creating our first database structure in MySQL

Section 14: Domain Name System Route 53

- Introduction to Route53
- Register a Domain using Route 53
- Manage Hosts Zone

Section 15: Serverless Computing

- Serverless Introduction
- Lambda
- Setting up Server Auto Start with a Lambda Function



Section 16: Monitoring

- Understanding CloudWatch
- Setup Alarms for Matrix changes
- Schedule Event Rules using Target based services

Section 17: AWS CloudTrail

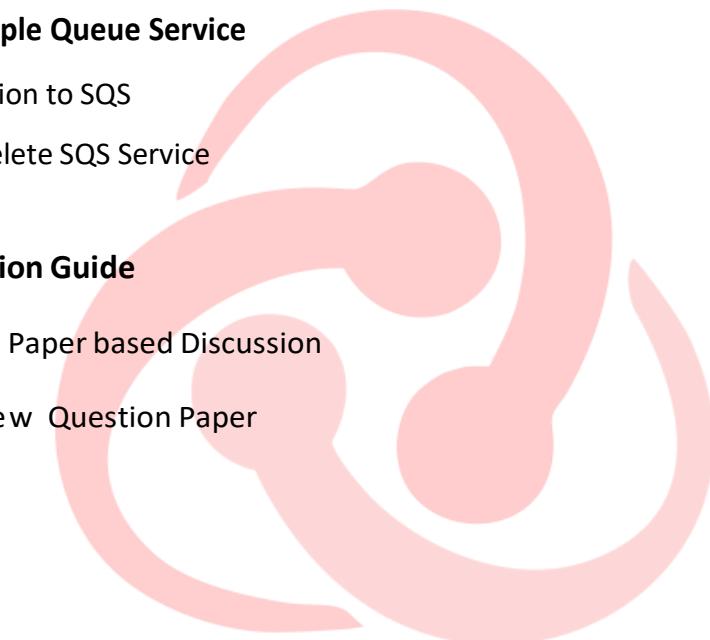
- Continuously log your AWS account activity

Section 18: Simple Queue Service

- Introduction to SQS
- Create delete SQS Service

Exam Preparation Guide

- Question Paper based Discussion
- Interview Question Paper



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Cost: 10,000/- Training

Duration: 30 Days

Contact Us:

Skynet Linux Solutions & Training Centre

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