LOGICLABS TECHNOLOGIES

AWS Architect Associate Course Content

Trainer: Ankit Narula

Duration: Near about 40 Days

Each Session: Near about 1 Hour

For AWS, Azure & Devops Live Training

Please Give a call to: +91-8341292444

For any Information send an email to

support@logiclabstech.com

Website: www.logiclabstech.com
Telegram Group: https://t.me/logiclabstech
Facebook Page: https://www.facebook.com/logiclabstechnologies
YouTube: https://www.youtube.com/c/LogiclabsTechnologies
Instagram: https://www.instagram.com/logiclabstech/

AWS Architect Associate Course Content

➢ **Introduction to Cloud Computing**
- Introduction to Cloud Computing
- Service Models in Cloud Computing
- Deployment Model in Cloud Computing
- Introduction to AWS
- AWS Account Creation & Free Tier Limitations Overview

➢ **Linux Commands**
- Linux Introduction
- Command line utilities and basic commands
- Linux File system introduction
- Text Editors
- Filters and Redirections
- Users & Groups and Permissions

➢ **Compute**
- EC2 Instance Launch Wizard
- EC2 Instance Type
  - ∗ Windows EC2
  - ∗ Linux EC2
- Generation Custom Public Key & Private Key
  - ∗ PPK File Using AWS Account
- Security Group
- Assign Elastic IP
- Transfer Local File to Server
  - ∗ Windows Server
  - ∗ Linux Server
- Webservers
  - ∗ Linux Webserver
  - ∗ Windows Webserver
- Bootstrap Script
- Create EC2 User
  - ∗ Linux Machine
- Placement Groups
- Elastic load Balancer

AWS Architect Associate Course Content

- ∗ Classic Load Balancer
- ∗ Application Load Balancer
- ∗ Network Load Balancer
- Auto Scaling
- Status Checks
    - ∗ Instance Status Check
    - ∗ System Status Check
- Auto Recover Behavior
- Protect the Instance from Termination
- Protect Instance from Stop
- Shutdown Behavior
- Scale Up and Down
- Scale Out and In
- Snapshots
    - ∗ Moving Snapshot to Another Region
    - ∗ Schedule Snapshot
    - ∗ Amazon Data Lifecycle Manager
    - ∗ Recycle Bin
- Creating Customized Amazon Machine Images (AMI)
- Create EC2 Instance Alarm
- Launch an instance from a launch template
- Metadata and Tags
- AWS Command Line Interface (CLI)
- Recover Lost Key Pair
- Elastic Beanstalk
- AWS Lambda

➢ **Storage**
- Elastic Block Store (Volume)
    - ∗ Attach & Detach Volume
    - ∗ Mount the Volume
- Elastic File System (EFS)
- Introduction of Simple Storage Service (S3)
- Versioning in S3

AWS Architect Associate Course Content

- Static Webhosting with S3 Bucket
- Amazon S3 Storage Classes
  * S3 Standard
  * S3 Intelligent-Tiering
  * S3 Standard- Infrequent Access
  * S3 One Zone- Infrequent Access
  * S3 Glacier
  * S3 Glacier Deep Archive
- S3 Replication
  * Same Region Replication
  * Cross Region Replication
- S3 Transfer Acceleration
- Encryption
- Access Control List
- Bucket Policies
- Life Cycle Management
- S3 Access Logs
- S3 Event Notification
- S3 Object Lock
- Connect S3 Bucket Using WINSCP
- S3 MFA

➢ **Identity & Access Management**

- Root Account VS IAM User
- Create IAM User & Attach Policy
- Create User Groups & Attach Policy
- Creating Custom IAM Policies
- IAM Password Policies
- Multi-Factor Authentication
  * Root User
  * IAM User
- Roles
- IAM Credential Reports

➢ **Amazon Virtual Private Cloud**

AWS Architect Associate Course Content

- Introduction about VPC & Create VPC
- Introduction about Subnet & Create Subnet
    * Public Subnet
    * Private Subnet
- Internet Gateways & Route Tables
- Bastion Hosts
- NAT Gateways
- Network Access Control List (NACL)
- Ephemeral Ports
- VPC Reachability Analyzer
- VPC Peering
- VPC Endpoint
    * Gateway Endpoint
- VPC Flow logs
- VPN Configuration with AWS (Open VPN)

➢ **Analytics**
- Amazon Athena

➢ **Route 53**
- DNS Record Overview
- Routing Policies
    * Simple Routing Policy
    * Latency Routing Policy
    * Failover Routing Policy
    * Weighted Routing Policy
    * Geolocation Routing Policy
    * Multivalue Routing Policy
- Hosting Sample Website and Configuring Policies
- S3 Static Website to Route 53
- 3rd Party Domain with Route 53

➢ **Database**
- Introduction of Database
- Types of AWS Databases
- Types of AWS Services in AWS Databases

AWS Architect Associate Course Content

- Launching a RDS Instances (MySQL)
- Multi Availability Zone For RDS Instances
- Read replicas For RDS Instances
- Connect RDS Instance with MYSQL Workbench
- DynamoDB

➢ **Security Options**

- Cloud Trails
- Trusted Advisor
- Cloud Front (S3 Transfer Acceleration)

➢ **Application Service**

- Simple Notification Service
- Simple Queue Service
- AWS Calculator
- Amazon Event Bridge (Amazon CloudWatch Events)
- Cloud Formation
- Simple Email Service
- Service Quota

➢ **Monitoring Tools**

- Cloud Watch
  - Logs
  - Metrics
  - Create Billing Alarm

➢ **Migration and Transfer**

- AWS Backup
- AWS DataSync (EFS to EFS)
- Migrating on Premise VM to AWS
- AWS Snow (Theory)

➢ **AWS Billing and Cost Management**

- AWS Budgets

➢ **AWS Project**

- VPC, EC2 & RDS
- S3

➢ **AWS Quiz**