

AWS Course Coverage (Duration 30 - 36 hours)

Objective – Provide hands on Training on AWS Cloud

1. What is Cloud Computing and why cloud Computing is disrupting the IT Industry
2. Various Certification Paths in AWS
3. Introduction and Getting Started with AWS
4. Hands on Demo - Create Personal Account in AWS
5. Identity and Access Management
 - a. IAM Setup
 - b. Users
 - c. Groups
 - d. Policies
 - e. IAM Roles
 - f. Lab 1 – IAM Setup – Users, Group, Policies and IAM Role
6. Working with Elastic Cloud Computing
 - a. Launch a Linux Instance
 - b. Launch a windows Instance
 - c. LAB 2 – Launch a Bitnami blog Website on EC2
7. Networking on AWS
 - a. VPC
 - b. Subnets
 - c. Internet Gateway
 - d. NAT
 - e. Route Tables
 - f. Lab 3 – VPC Deep Dive
8. AWS Console access and usage – Demo and Lab
9. Storage Services – EBS, Instance storage, S3 and Glacier
 - Lab – Create S3 bucket and launch a static website
 - Lab – Create EBS volumes, snapshot and creating new volume from snapshot
10. High availability with Elastic Load Balancer and Auto Scaling
 - a. Lab – To create Elastic Load Balancer and test the health check
 - b. Lab – To create Auto scaling and test the Auto scaling groups
11. DNS – Route53
 - a. Lab – Setup DNS records for a registered domain on Route53
12. Decoupled Services – SNS and SQS

- a. Demo and Lab - Implement Pub/Sub using SNS and message queue using SQS
13. AWS Lambda Services
 - a. Introduction to AWS Lambda Services
 - b. Demo on AWS Lambda functions
 14. CloudFormation – Introduction and Demo
 15. Cloud Watch – Introduction, Demo and Lab
 16. Elastic Bean Stalk – Introduction and Lab
 17. Real time use cases and Best Practices
 18. Strategy for Migration to AWS