AWS SAA (Solution Architect Associate)

1) Introduction to Cloud Computing

2) Service models, deployment models of cloud

3) AWS history, services and SAA paper introduction

4) Account creation, MFA creation

5) IAM, users, groups, Policies, Roles

6) S3 buckets, Security & Encryption methods, Versioning, life cycle management, Cross region replication, Cloud Front, etc.

7) EC2 instances creation, Cloud watch, Cloud trail, EBS,IAM Role, Bootstrap script etc.

8) EFS, RDS, RDS Backups

9) VPC, default & custom, creating sub-networks, creating gateways, NAT.

10) Elastic Beanstalk, Lambda, ELB

11) Hands on practice with live examples

Dev-Ops Syllabus

* Introduction – What is DevOps, Continuous Developments, Testing, Integration
* Git & GitHub
* Jenkins, Jenkins with Git, Jenkins job DSL,
* Maven with Jenkins
* Install and Configure Tom-cat
* Jenkins code pipeline
* Docker , Containers
* Kubernetes, prepare AWS Environment for Kubernetes, Istio on Kubernetes