

AWS Technical Essentials

This course is mandatory for many of the other courses listed below.

1. Introduction to Cloud Computing
2. AWS History and services
3. AWS Fundamentals – S3, EC2, EBS, VPC
4. AWS Security – IAM, Security Group, NACL
5. AWS Databases – RDS and DynamoDB
6. AWS Management and Metrics – CloudWatch, Elastic Load Balancer, Auto scaling

Course Outline for AWS Solutions Architect

The following topics are covered as part of this training. Duration for this course is 40 hours

1. User and Policy management using AWS IAM (Identity and Access Management)
2. Compute – AWS EC2 (Elastic Compute Cloud)
 - a. Creating Linux/Windows Instances
 - b. Working with Security Groups
 - c. Installing and configuring php/tomcat servers on Linux box
 - d. Creating AMI
 - e. Load balancing and Autoscaling
3. Storage using S3 (Simple Storage Service)
 - a. Creating buckets
 - b. Public and private access
 - c. Versioning
 - d. Storing Server and object logs
 - e. Configuring static web site using S3
4. Databases
 - a. RDS – using MySQL DB
 - b. DynamoDB
5. Virtual Private Cloud (VPC)
 - a. Creating custom VPC, subnets (private/public), routing table, NACL
 - b. Creating NAT and bastion (jump box) instances
 - c. Using Internet gateway
6. Content delivery using CloudFront
7. DNS – Route53
 - a. Hands on with configurations
8. CloudWatch – for alarms and metrics
9. Simple Queue Service – SQS
10. Simple Notification Service – SNS
11. Simple WorkFlow – SWF
12. Simple Email Service – SES
13. Deployment and Management
 - a. CloudFormation
 - b. Elastic BeanStalk
 - c. OpsWorks
14. Security, Well Architected Frameworks
15. High Availability and Elasticity
16. Assessment using a Project

AWS Certification Preparation

1. Refreshing fundamentals and AWS services
2. Review Exam Blue print (guide)
3. Practice Session
4. Overview of AWS recommended White Papers
5. Overview of FAQ section of relevant services in AWS
6. Practice Questions and discussions
7. Mock Test