

## **Amazon Web Services**

### **1. Introduction to the Course:**

1. Introduction, Overview of AWS
2. The Exam Blue Print

### **2. AWS – all services & components Overview:**

1. All services & components
2. Networking
3. Compute
4. Storage
5. Database
6. Migration
7. Security

### **3. Identity Access Management (IAM)**

1. IAM overview
2. IAM (LAB)
3. Create A Billing Alarm (Lab)
4. IAM Summary & Quiz

### **3. AWS Object Storage and CDN - S3, Glacier and CloudFront**

1. S3 – Storage
2. Create an S3 Bucket (Lab)
3. Version Control (Lab)
4. Cross Region Replication (Lab)
5. Lifecycle Management & Glacier (Lab)
6. CloudFront CDN Overview
7. Create a CloudFront CDN (Lab)

8. S3 - Security & Encryption
9. Storage Gateway
10. Snowball
11. Snowball Lab
12. S3 Transfer Acceleration
13. Create A Static Website Using S3
14. S3 Summary & Quiz

### **4. EC2 - The Backbone of AWS**

1. EC2 overview
2. Launch an EC2 Instance - Part 1.
3. Launch an EC2 Instance - Part 2
4. How to use Putty (Windows Users Only)
5. Security Groups Basics
6. Volumes and Snapshots
7. Creating a Windows EC2 Instance & RAID Group
8. Create an AMI
9. AMI's - EBS root volumes vs Instance Store
10. Load Balancers & Health Checks
11. Cloud Watch EC2
12. The AWS Command Line & EC2
13. Using IAM roles with EC2
14. Using Bootstrap Scripts
15. EC2 Instance Meta-data
16. Auto scaling
17. EC2 Placement Groups - An Exam Must Know!
18. EFS - Concepts & Lab
19. Lambda – Concepts
20. EC2 Summary & Quiz



## Wilshire Software Technologies

Flat No.: 402, Manjeera Square  
Opp. Minerva Coffee Shop, Ameerpet  
Hyderabad - 500 038, Ph.No.: 040 - 2375 7906/07

## Amazon Web Services

### **5. Route53**

1. DNS
2. Register Your Domain Name
3. Setup Our EC2 Instances
4. Simple Routing Policy Lab
5. Weighted Routing Policy Lab
6. Latency Routing Policy Lab
7. Failover Routing Policy Lab
8. Geolocation Routing Policy Lab
9. DNS Exam Tips
10. Route53 Summary & Quiz

### **6. Databases on AWS**

1. Databases
2. Launching an RDS Instance
3. Backups, Multi-AZ & Read Replicas
4. DynamoDB
5. RedShift
6. Elasticache
7. Aurora
8. Databases Summary & Quiz

### **7. VPC**

1. Introduction & Overview
2. Build your own custom VPC Part 1
3. Build Your Own Custom VPC Part 2
4. Network Address Translation (NAT)
5. Network Access Control Lists vs Security Groups
6. ELB's & VPCs
7. NATs vs Bastions

8. VPC Flow Logs
9. VPC Clean Up
10. VPC Summary & Quiz

### **8. Application Services**

1. SQS
2. SWF
3. SNS
4. Elastic Transcoder
5. API Gateway
6. Application Services Summary & Quiz

### **9. Kinesis**

1. Kinesis Overview
2. Kinesis Lab
3. Cloud formation Template

### **10. The Real World - Creating a fault tolerant Word Press Site**

1. Getting Setup
2. Setting up EC2
3. Adding Resilience and Cloud Front
4. Setting Up Our AMI's
5. Configuring Auto scaling & Load Testing
6. Cloud Formation!
7. Want to be a real Solutions Architect? You need to know CloudFormation!