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### **Course: AWS Training**

Duration: 40 Hrs (Changeable) | Fees: Individual / Batch

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### Syllabus on the Next Page ..

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#### **AWS Technical Essentials**

- \* Introduction and History of AWS
- \* AWS Infrastructure: Compute, Storage, Networking
- \* AWS Security, Identification and Access Management
- \* AWS Database
- \* AWS Management Tools

#### **Virtual Private Cloud**

- \* Introduction to Network Switches & Virtual Private Cloud
- \* VPC & Subnets
- \* Private and Public Subnets
- \* Internet Gateways, VPC Peering & NAT Gateways
- \* VPN Setup
- \* IP Addressing in AWS

#### **Elastic Load Balancing & Auto Scaling**

- \* Components and types of load balancing
- \* Auto scaling and its benefits
- \* Life cycle of auto scaling
- \* Components and policies of auto scaling
- \* Assignment : Configure Load Balancer, Auto scaling as per utilization
- \* in different situations

#### Storage

- \* Introduction to Block & Object storage mechanism
- \* Introduction to Elastic Block Store EBS

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- \* EBS Snapshots
- # EBS Volume Types
- \* Instance Store Volumes
- \* Introduction to Simple Storage Service (S3)
- \* Features of S3
- \* Storage Types
- \* Static Website Hosting
- \* Versioning
- \* Life Cycle Policy
- \* Cross Region Replication
- \* Encryption
- Basics of Athena
- \* Introduction to EFS
- \* Connect a drive via network
- \* Share the drive among multiple servers

#### Amazon EC2

- # EC2 Overview
- \* Amazon Machine Images(AMI)
- \* AMI creation
- Security groups
- Key pairs
- \* Assigning elastic IP address

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- \* Elastic IP v/s Public IP
- \* Bootstrap Scripts
- \* Overview of Amazon EBSEBS Volume intro
- \* EBS vs Instance Store
- \* Upgrading EBS volume
- \* Management Tools Cloud
- \* Trail Cloud
- \* Watch Cloud
- \* Formation Trusted Advisor
- \* Assignment Creating EC2, Various login ways from different OS,
- \* putty and putty keygen use, Assigning EIP, AMI assignment,
- \* Creating and restoring snapshot, snapshot to AMI, EC2Bootstrapping,
- \* Cloud formation & Cloud Watch assignments.

#### **Identity & Access Management**

- \* Understanding the IAM Policies
- \* IAM User, IAM Policy and IAM Role

#### **Databases**

- \* Introduction to Relational Databases
- \* Creating our first database structure in MySQL
- \* Getting started with DynamoDB
- \* Know about ElastiCache, Redshift

#### **Domain Name System**

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- \* Introduction to DNS
- \* Understanding DNS Records
- \* Introduction to Route53
- \* Register a Domain using Route 53
- \* Manage DNS Hosts

#### **Serverless Computing**

- \* Serverless Introduction
- \* Lambda
- \* Setting up Server Auto Start with a Lambda Function
- # Elastic Beanstalk
- \* Host a Sample PHP website using Elastic Beanstalk

#### **AWS Encryptions**

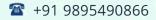
- \* AWS Security
- \* KMS Overview
- \* SSM Parameter Store
- Could
- ✤ HSM

#### **Migration Service and Disaster Recovery**

- \* Database Migration Services
- \* DataSync Overview
- \* AWS Backups

#### Monitoring

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- \* Setup Alarms for Matrix changes
- \* Auditing AWS environment with CloudTrail
- \* Schedule Event Rules using Target based services
  - -AWS Certification Exam Readiness Workshop Solutions Architect Associate
- ✤ Level
- \* Testing center information and expectations
- \* Examination Review and Structure
- \* Content domains and query breakdown
- \* Topics and concepts with content domains
- \* Question structure and interpretation techniques
- \* Post Class Practice Exam Questions
- \* 01 including the actual exam voucher

(Click on Course for more details)

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### - Thank You -

N.B:This syllabus is not final and can be customized as per requirements / updates.

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