

# **AWS Course Contents**

## **1. AWS Overview**

- a. Introduction & History of AWS
- b. Creating AWS Free-tier Account
- c. Navigating AWS Management Console
- d. AWS Global Infrastructure
- e. Security features of AWS
- f. Advantages & Disadvantages of AWS
- g. Cloud Service Model
- h. Cloud Deployment Model

## **2. Compute on Cloud (EC2)**

- a. Managing the EC2 Infrastructure
- b. Browsing Amazon Machine Images (AMI)
- c. Specifying security groups and key pairs
- d. Customizing VM's
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- f. Creating new images of running instances

## **3. Security on Cloud (IAM)**

- a. Controlling account security
- b. Managing User with Identity & Access Management (IAM)
- c. IAM User, group, Roles & Policies

#### **4. Provisioning Resources**

- a. Evaluating Elastic Block Store (EBS) and instance store root devices
- b. Assigning elastic IP Address
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- c. Lab: S3 Version Control
- d. Lab: S3 Lifecycle Management & Glacier
- e. CloudFront CDN
- f. S3 Security & Encryption
- g. Storage Gateway
- h. Import Export
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#### **6. Transparently scaling to meet load variation**

- a. Elastic load balancer (ELB) and health check
- b. Auto-scaling and Auto-scaling Group
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- a. Creating Database Instances and scheduling for Backup
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## **9. Route53**

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