

AWS - Syllabus

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

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

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Amazon Machine Images(AMI)

AMI creation

Security groups

Key pairs

Assigning elastic IP address

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

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

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AWS Encryptions

AWS Security

KMS Overview

SSM Parameter Store

Cloud

HSM

Migration Service and Disaster Recovery

Database Migration Services

DataSync Overview

AWS Backups

Monitoring

Understanding CloudWatch

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

[For more details about this course, Click on this link: AWS Training](#)