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## ***Amazon Web Services (AWS) Course Content***

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### ***Course Duration-4 Weeks***

#### ***1. Introduction to AWS***

- i) PAAS
- ii) IAAS
- iii) SAAS services
- iv) AWS Global infrastructure
- v) Regions
- vi) Availability Zones

#### ***2. Roles in AWS***

- i) Architect
- ii) Admin
- iii) Developer

#### ***3. IAM***

- i) Users
- ii) Groups
- iii) Roles
- iv) Policies

#### ***4. Virtual Private Cloud(VPC)***

- i) Creating VPC
- ii) Creating public subnets
- iii) Creating private subnets
- iv) Gateways
- v) Route Tables
- vi) Creating NAT

#### ***5. Database services(RDS)***

- i) Definition of RDS
- ii) MySQL server and database configuration in RDS
- iii) Oracle server and database configuration in RDS

## **6. Elastic Load Balancer**

- i) Defining a Load Balancers
- ii) Types of load Balancers
- iii) Attaching Load Balancers to Auto scaling

## **7. Types of storages**

- i) S3
- ii) EBS
- iii) Creating EBS volumes
- iv) Adding EBS volumes to running VMS
- v) EFS
- vi) Glacier
- vii) S3 storage classes
- viii) Static web site Hosting in S3

## **8. AWS CLI**

- i) Creating VPC
- ii) Creating Gateways
- iii) Creating public and private subnets
- iv) Creating route tables
- v) Associating route tables to subnets

## **9. AWS Cloud formation**

- i) What is IAC
- ii) Advantages of Cloud Formation
- iii) Creating cloud formation stack
- iv) Creating VPC with CF
- v) Creating Gateways
- vi) Creating public and private subnets

## **10. SNS**

- i) Def of SNS
- ii) Creating topics
- iii) Associating with Emails

## **11. Auto Scaling**

- i) Creating AMI's for Auto Scaling Group
- ii) Defining Launch Templates for Auto Scaling

**12. Cloud Watch**

- i) Configuring cloud watch
- ii) Configuring events in cloud watch

**13. Logs and Monitoring**

- i) Configuring Log Groups for VPC like VPC Trials

**14. Security groups**

- i) Creating security groups
- ii) Defining Rules,
- iii) Associating security groups to VMS

**15. NACL**

- i) Def of NACL
- ii) Writing security Allow, Deny rules
- iii) Associating NACL with subnets

**16. Amazon Machine Images**

- i) Creating AMI's
- ii) Launching VMS from AMI's

**17. Cloud front**

- i) What is cloud front and advantages
- ii) Configuring cloud front

**18. Route 53**

- i) Def of Route 53

**19. Launch configuration in Auto scaling**

- i) Creating launch configuration from AMI's
- ii) Configuring auto scaling using launch configuration

**20. Types of EC2 Instances**

**21. Types of EBS Volumes**