**AWS TRAINING CONTENTS**

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* EC2 Instance Types

**2) Amazon EBS**

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* EBS Benefits
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* EBS Features

***3)Elastic IP address***

Whatever the public IP assigned by the AWS is not permanent. Every time it will change so that we can give permanent IP, it is called elastic IP address.

**4)AWS Identity and Access Management (IAM)**

1. Introduction to AWS Identity and Access Management (IAM)
2. IAM Features
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**6)Amazon Glacier**

* Amazon Glacier is a secure, durable, and extremely low-cost storage service for data archiving.
* Amazon Glacier is optimized for data that is rarely accessed and a **retrieval time of several hours**.

**7)What is VPC?**

* Vpc enables you to launch AWS resources into a virtual network that you have defined

***VPC basics***

***Private network***

***Understanding the default VPC***

***Default VPC Vs Non default VPC***

**8)Auto Scaling**

high availability

incremental/decrement scaling

**9)Elastic Load Balancer**

Elastic Load Balancing automatically distributes incoming application traffic across multiple targets, such as Amazon **EC2** instances, containers, IP addresses, and Lambda functions.

It can handle the varying load of your application traffic in a single Availability Zone or across multiple Availability Zones.

**10)Amazon cloud watch**

Amazon Cloud Watch is a monitoring service to monitor your AWS resources as well as the applications that you run on AWS.

**11)Simple notification service (SNS)**

Amazon SNS is a highly available, durable, secure fully managed pub/sub messaging service that enables you to decouple micro services, distributed systems and server less applications.

Amazon SNS provides topics for high throughput, push-based, many-to-many messaging

**12)Route 53**

Amazon **Route 53** is a highly available and scalable cloud Domain Name System (DNS) web service.

It is designed to give developers and businesses an extremely reliable and cost effective way to **route** end users to Internet applications by translating names like www.**example**.com into the numeric IP addresses like 192.0.10.22

**13)Cloud front**

**Amazon cloud front** is a content delivery network (CDN) offered by Amazon web services.

Content delivery networks provide a globally-distributed network of proxy servers which cache content, such as web videos or other bulky media, more locally to consumers, thus improving access speed for downloading the content.

**14)Elastic Bean Stalk**

With elastic bean stalk, you can quickly deploy and manage applications in the AWS cloud without having to learn about the infrastructure that runs those applications.

***15)Simple Queue Service(SQS)***

Amazon simple queue(sqs) is fully message queuing service that enables you to decouple and scale micro services, distributed systems, and serverless applications.

Get started with SQS in minutes using the AWS console, command line interface or SDK of your choice, and three simple commands

***16)cloud formation***

AWS **CloudFormation** is a service that gives developers and businesses an easy way to create a collection of related AWS and third party resources and provision them in an orderly and predictable fashion.

***17)RDS (relational database service)***

**Amazon Relational Database Service (Amazon RDS) makes it easy to set up, operate, and scale a relational database in the cloud.**

**It provides cost-efficient and resizable capacity while automating time-consuming administration tasks such as hardware provisioning, database setup, patching and backups.**

**18 ) DYNAMO DB**