

NANDAKRISHNAN NAIR

Roll 21

CLOUD COMPUTING

MCA 3

THEORY ASSIGNMENT 1

1. EC2

Amazon elastic compute cloud is a web service that provide secure, resizable compute capacity in the cloud.

used to make web scale cloud computing easy for developers

2. Elastic Bean Stalk

It an easy to use service for deploying & scaling web applications and services developed with Java, .NET, PHP, etc.

You can simply upload code & elastic Beanstalk automatically handles the deployment.

3. IAM

AWS identity & access management provides granular access control across all AWS

with this you can specify who can access which services & resources & under which conditions.

4. ELB

Elastic Load Balancing automatically distributes incoming application traffic ~~to~~ across multiple targets & virtual appliances in one or more Availability Zones.

5. S3

Simple Storage Service is an Object Storage service offering industry-leading scalability, data availability, security & performance.

Customers of all or any sizes & industry can store & protect any amount of data.

6. EBS

Amazon Elastic Block Store is an easy to use, scalable, high-performance block storage designed for Amazon Elastic Compute Cloud (Amazon EC2).

7. FSx for Lustre

Amazon FSx for Lustre provides fully managed shared storage with scalability & performance of the popular Lustre file system.

Fast Scalable Storage

8. Glacier

Glacier storage classes are purpose built for data archiving, providing you with the highest performance.

They provide virtually unlimited scalability & durability.

9. SageMaker

Allows to build, train, & deploy machine learning models for any use case with fully managed infrastructure, tools & workflows.

Makes ML more accessible

Accelerate ML development

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10. Rekognition

makes it easy to add image & video analysis to your application

Can detect any inappropriate content as well.

Provides accurate facial analysis.

11. SNS

Simple Notification Service is fully managed messaging service for both A2A & A2P communication

Using SNS topics, your publishing system can fanout messages to large number of subscriber systems

12. SES

Simple Email Service Cost effective, flexible & scalable email service

You can configure Amazon SES quickly to support many different use cases

Provide 10 deployment of email authentication

(5)

13) Lambda

Lambda is serverless, event driven compute service that lets you run code for virtually any type of application or backend service.

You can trigger lambda from over 200 AWS services & software.

14) RDS

Relational Database Service allows easy setup, operate, & scalable relational database in the cloud.

Provides cost efficient & resizable capacity while automating time consuming administration tasks.

15) Cloud9

AWS Cloud9 is a cloud based integrated development environment that lets you write, run, & debug your code with just a browser.

It includes a code editor, debugger & terminal.

16. Cognito

lets you add user sign-up, sign in, & access control to your web & mobile apps quickly & easily.

Amazon Cognito scales to millions of users & supports sign in with social identity providers

17. VPC

Virtual Private Cloud gives you full control over your virtual networking environment, including resource placement, connectivity & security.

You can define how your VPC can communicate with others.

18. Route 53

It is highly available & scalable cloud DNS web service.

Used to give developers & businesses an extremely reliable & cost effective way to route end users to internet applications.
fully compliant with IPv6