

Department Of Computer Science
Gujarat University



Certificate

Roll No: 15

Seat No: _____

This is to certify that Mr. / Ms. LUHAR PRINCE KUMAR GHISULAL_
student of MCA Semester – III, has duly completed his/her term work for
the semester ending in December 2021, in the subject of CLOUD
COMPUTING_ towards partial fulfillment of his / her Degree of Masters in
Computer Science & Application.

13-DEC-2021
Date of Submission

DR. HARDIK JOSHI
Internal Faculty

DR. JYOTI PAREEK
Head of Department

CC Assignment
Name: - Prince Lutan
Rollno: 15
Assignment - 1

Discuss the following AWS services in brief

1. EC2

→ Amazon EC2 stands for Amazon Elastic Cloud.

It provides a Scalable Computing security in the AWS cloud.

2. Elastic beanstalk

AWS Elastic beanstalk is an easy to use service for deploying and scaling web applications and services developed with Java, .NET, Node.js, Python, Go and Docker on familiar servers such as Apache, Nginx, Passenger and IIS.

3. IAM

AWS Identity and Access management enables you to manage access to AWS services and resources securely. Using IAM you can create & manage AWS users and groups and Permissions to allow & deny their Access to AWS resources.

4 ELB

Elastic load balancing automatically distributes incoming application traffic across multiple targets such as Amazon EC2 Instances, Containers, IP Address, Lambda function & Virtual Application. It can handle the varying load of your application traffic in a single Availability Zone or across multiple Availability Zones.

5. S3

Amazon Simple Storage Service is an Object Storage Service that offers industry leading scalability, data availability, security & Performance. S3 provides easy to use management features so you can organize your ~~data~~ data, and configure ~~it~~ and access control to meet your specific business.

6 EBS

Amazon Elastic Block Store is an easy to use, high performance block storage device design for use with EC2 for both throughput and transaction intensive workloads at any scale.

7. FSx for Lustre
Amazon FSx for Lustre is a fully managed service that provides cost effective high Performance, Scalable Storage for Compute overloads. Many work load such as ML, high performance Computing, video rendering depend on Compute Instances accessing the same Set of data through high Performance Shared Storage.

8. Glacier
Amazon S3 Glacier is a Secure durable & extreme low cost Amazon S3 Storage class for data Archiving & long term backup.

9. Sagemaker
Amazon Sagemaker is a fully managed ML service. With Sagemaker, data Scientist and developers can quickly easily build and train machine learning model & then directly deploy into a production ready based environment.

10) Recognition.

- Amazon recognition makes it easy to add image & video Analysis to your application. Using Proven high Scalable DL technology that requires no machine learning expertise to use.

11) SNS

- Amazon Simple Notification Service is a fully ~~connected~~ managed messaging service for both application to application (A2A) and Application to person (A2P) Communication.

12) SES

- Amazon Simple Email Service is a Cost effective, flexible & Scalable email Services that enables developers to send mail from with Any application. You can Configure Amazon SES quickly to support several email Use Cases including transactional marketing or mass email Communication.

13. lambda

Aws lambda is Serverless Compute service that lets you run code without provisioning or managing servers, creating workloads, aware cluster scaling logic, maintaining event integration or managing runtimes.

14. RDS

→ RDS - Relational Database Service make its easy to set up, operate & scale a Horizontal database in the Cloud.

15. ~~Cloud~~ Cloudg

Aws Cloudg is a Cloud based Integration development (IDE) that lets you write, run and debug your code with just a browser. It includes a Code Editor, debugger, terminal. Cloudg comes pre-packaged with essential tools for popular programming languages including JS, PHP, Python & more.

16 Cognito

- ~~Amazon~~ Amazon Cognito lets you add User Sign up, Sign in and access control to your web and mobile apps quickly and easily. Amazon Cognito scales to millions of users and supports sign in with social identity providers such as Apple, Facebook, Google via SAML 2.0 or OpenID Connect.

17 VPC

Amazon Virtual Private Cloud is a service that lets you launch AWS resources in a logically isolated virtual network that you define. You have complete control over your virtual networking environment, including selection of your own IP address space, creation of subnets and configuration of route tables and network gateways.

18 Route 53

- Amazon Route 53 is a highly available & scalable cloud DNS web service. It is designed to give developers and businesses an extremely reliable & get cost effective way to route end user to net application by translating names like www.ex.com to the numerical IP 192.0.0.121 that computer used to connect each other.