# Day 2

1) Define elasticity and scalability

2) Define Agility

3) List out some Aws Management and Administrative Servies?

4) Give some advantages of Regions.

5) What are the services that are available under computed in Aws.

6) Difference between public, private and Hybrid cloud.

7) Illustrate the procedure to connect Aws instance.

8) What is Disaster Recovery?

9) Define Autoscaling? =>

9°) Define scale up Scale down

10) Define Instance family and

① Elasticity is used to meet dynamic changes where the resources need can increase or decrease,

→ Scalability is always used to address the increase in workload in an organization.

② Agility is the ability to quickly develop test and launch applicatons in a Cloud-based environment

③ AWS services :-

a) AWS Identity and Access management (IAM)

c~~b~~) AWS key management service

~~b~~~~c~~) AWS ~~key~~ ~~#~~ Organization

d) AWS cloud trai )

e) AWS config

f) AWS Cloud watch

g) AWS systems manager

h) AWS Systems manager

i) Amazon cloud watch logs

j) Amazon cloud watch Events

k] AWS service catology

l] AWS Budgets

M] AWS Backup

N) AWS License manager -

④ Advantages:-

→ Fault Tolerance        → complince and data residency

→ Low Latency           → Global presence

→ Disaster Recovery     → cost optimization

→ service Availabelty   → Resource Isolation

5) i) Amazon Elastic compute cloud [ELS]

ii) Amazon Elastic container service [ECS)

iii) Amazon Lightsail

iv) Amazon EC2 Auto scaling

v) Amazon ROS

vi) AWS Batch

vii) Amazon Ec2 Image Builder

viii] Amazon Linux 2023

ix] AWS Elastic Ben stalk

x) AWS Lambda

(6)

| Features | Public cloud | Private cloud | Hybrid Cloud. |
|---|---|---|---|
| Ownershis of managment | Cloud provider | organization | Both |
| Access | shared | Restricted | varies |
| security | Managed by Provider | High level of control | Balance b/w security and flexibility |
| control | Limited | Full | varies |
| Cost | Pay-as-you-go | Higher | cost varies. |

⑦ i) open Amazon console and sign in in to your account.

(ii) open EC2

(iii) Select launch instance

(iv) Select session manager for connection

(v) select connect.

(vi) Choose EC2 instance connect.

(vii) verify the user name and choose connect to open a terminal window.

⑧ CDR is a cloud based service that helps organizations quickley over their critical system and disastent

⑨ Autoscaling is a cloud computing feature that automatically adjusts the no-of computation resources in a system based on the current workload.

→ Scale-up refers to increasing the resources like cpu, memory or storage of a single virtual machine or instance to handle higher work lood.

→ Scale-down reducing the resources allocald to an instance when the demond decreass optimizing cost and efficiency.

10) Instance family is a group of instance types that have similar compute, memory and storage capasibilities.

* Some Instance families are:-

→ General purpose instances
→ Compute optimized instances
→ Memory optimized instances