

AWS Educate

→ Cloud Computing 101.

① Why learn abt cloud?

→ Computing professionals in high demand, as it is increasingly used by many companies due to rise in data.

② Module 2

- a) Define Cloud Computing (CC).
- b) Describe basics of CC.
- c) Its benefits.
- d) Cloud service & deployment models.

a) Define Cloud Computing.

- ⇒ Acts as an IT asset which can be quickly built up (or) tears down. This agility is not available in traditional methods.
- ⇒ Also the pay as you go approach of cloud, makes profit for the using companies. & can be changed as needed.
- ⇒ These assets include servers, networks, databases & applications.
- ⇒ AWS one of them → Amazon Web Services.

* Extra → www was launched in 1991.

* Modern computing is based on client server model.

Amazon's virtual server name is → Amazon EC2
[Elastic Compute Cloud]

b) Benefits

- Pay as you go
- Agility & flexibility acc to you.
- Dynamic infra.
- Built & tear down fast, unlike traditional
- Capacity not an issue.
- Go global in minutes.

c) Deploying to the cloud.

→ Provided in diff levels → ∴ Diff control, flexibility and diff management.

Deploy. Diff models

- 1) IaaS (Infra)
- 2) PaaS (Platform)
- 3) SaaS (Software)

Deployment Strategy

- Full cloud
- Hybrid
- On Premises (Private).

more security
gov restrictions
∴ can't shift all data to cloud

(Amazon S3).
(Amazon EC2) (Github) (email)
→ IaaS, PaaS, SaaS

← Increase in flexibility, control and management.

Typically hardware, non-Tech companies take SaaS. & as companies become more technical they can take IaaS & customise acc to their req.