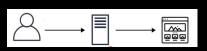
AWS CLF CO2 Nofes I

(1) What is cloud to inputing / (2) (2) On premise VIs Cloud (3)	E) Common doud services E) Evolution of computing Types of cloud computing Cloud computing De ploymen models
the practice of using a network hosted on the internet to store data rather than a local server of the server of t	e, manage and process or personal computer





· Dedicated Server

- One physical machine dedicated to a smale business. Runs a single web applishe

· Virtual Private Server

single business. The physical machine is virtualized into sub-machines. Runs multiple web-apps/sites

Shared Hosting

Shared Hosting

One phys. machine shared by

100/s of businessess.

· Cloud Hosting -> Multiple physical mochines oching as me system shared by

Thousands

(4) What is a Cloud service provider (CSP)?

It is a company that

O provides multiple cloud services

2) those cloud services are chainable to create one cloud architechture

3) those services are accessible via single unified API eg: AWS API

per sec

H those services utilize metered billing per hour

(3) have rich doud monitoring eg: AWS Cloud trail

(6) have I as 5 offering

(7) offers automation via Jac (Infrastrutre
ac code)

1) multiple cloud services 2) architecturable 3) single API 10 metered Silling © Toos & JoC

if not met, it will be called a doud Platform En: Hashicarp

Common Cloud Sorvices

A CSP can provide 100 different services bud four are the most common Storage Databases

Compute Networking

- 1) Computer on sur app, progs and code
- 1 Storage -> virtual hard-drive
- (3) Networking eonnations or network defining inknet
- (F) DB virtual databases for stormy/reporting data

6 Evolution of Computing

D Dedicated Server -s a physical server wholly utilized by

a single customer - you will have to guess your copacity

-> overpay -> can! vertical scale

-1 limited by Host OS. * graventeed security

(2) Virtual Mochines

-) running multiple machine over one machine povablely

-> shared by multiple people -> still overpay for willow VM.

3 Containers -> VMs running multigle confamors

-> Douter helps you run these

confamers

- maximum whility of VMS

7 Types of Cloud Computing

1) Saas Gor customers)

Liproduct run & managed by ærviæ provider. en: Office 265, gmoul, drive etc.

@ Paas Gor developers

Depose on deployment and management of opps. No need to worry about provisioning, configuring or understanding the Os.
En: Aws EBS, Heroky etc.

(3) Iags (for admin)

Dosic building blocks for cloud IT.
Provides access to notworking features, computers
and data storage space.

(8) Cloud Computing Deployment Models

O Public Cloud

-> everything is built on CEP.

Also Knownos: Cloud native / Cloud First

2) Private Cloud

-> Everything buill on company's data center. Also known os: On premise

D Hybrid (loud

-> using both on premise and CSP,

using NPN or direct connection

@ Multi Cloud __ using multiple cloud providers

3 Deployment Models use asc

Cloud fully utilizing cloud services · Componies that ave starting out today, or ave small enough to make from UPS to Ustartups La Saas offernas La New prijeds X Companies

Hybrid Using both cloud & Orgs that cannot July tools - called move to cloud due to "private cloud" effort of migration or security compliance · due to sheer size & security La Banks G FinTech

Legacy on premise

On premise Deploying resources on premise, using virtualization & resource management

L) governments

La hospitals

l> insurance

companies