what is cloud computing The delivery of computing services like servers, storages, databases, networking &

software through internet

Two types of Servers:

1. On - premises T physical servers.

2. Cloud providers Polatham

2. Cloud providers Polatham 2. cloud providers/platform on premises, we will have some drawback's like.

heavy maintenance. like space, cooling, power supply, -> high technical team. Waterson situals 2014 -18 Scaling is not early. Due to this cloud came in bloud will take care of your services, OB's, retworking and other services and you can access them through internet Types of cloud computing Deployment model Service model nouse in private Taas Paas hybrid hybrid community.

Infrastruction as a Service (Taas): In Iaas, cloud provider gives you the basic infrastructure like Vm's., storage & networking. Ex: Aws Ecz, Groogle Compute engine, Ature Um; Imagine like bruying a land, here you are responsible for the building the house & interior platform as a Scrice. (Saas) Cloud provider supplies development platform along with the infrastructure. you have to focus on building and deploying your application development tools like 0.5, DB & runtime env. 2x: A WS elastic beanstalk, google app engine, heroku. Imagine bruying a house, here you are responsible Softwareas a service & service & service best thing had In saas, everythis is manged for you you have to login and start wing the software. Ex: Aws code pipeline, Azure code pipelino Amagine renting a P. G. room. you just have to we the things public cloud ! It is open to everyone and you can show resources with other's. In a public cloud, cost is low, 4 someone hack's a sower then he can access entire network - 80, security is low

private cloud: It is like owning your personal library.

only you can accurs it and the resources are dedicated entirely to you.

dedicated entirely to you.

higher recurity, cost, adding resources may take time [ with a doud ? owns of Malabians so public à private combination and; other for, Juagine a hospital, they will have some public Imagine a hospital, they will have some public info like Doctors, location, contact will be hosted in public and Death rate, medication, billing will be hosted in piwate. Community cloud:
organization with similar needs share the → cost will be divided

→ strong isolation Aws -> 301. market value 21 % Azur -> ocp -> 12 1/. Alibaba > 4.1., oracle > 3.1. IBM le salesfore -> 2.1. introduced AWS is invented in 2004, in 2006, Demand came in 2008

why AWS is so popular; -> It offus multiple services on different Lomains with the combination of Saas, Paas, Isas. -> 200 + Services on multiple domains. -> 33 geographic region -> 99 availability zones [Data centers] [DC] [DC] - group of Lata centers → Pay as you go model

→ provides flexibility like O.S

Advantages of AWS:

→ 24/7 support → speed & agility → Security

→ customization → success third party API

→ Disarter recovery → pay as your go Strong isolation Aus - 3 201 morket value 1200s -- 2111 0.00 - 12-11 archiba - wit , ourch - addita They be excluded our 2.1. AWS is similar in 2004. mi mest bushand , dos in