-> use Relevant ilp's & create pereate a virtual machine in Aqure

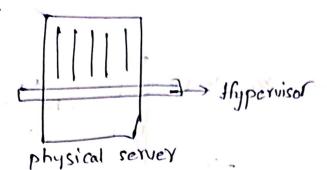
2) connect to the VM -> copy public address

3) Deploy your first app on an Azure vm

4) virtual machine scalesets for Autoscaling.

moi un ophysical servers with let's say these are physical servers which come with 100 (py, 100 TR mem. Assigning one physical server to one developer would be definately waste the ant use total space. - To use these physical servers, there is a concept called virtualization sword spinnised AWR

3) in the edge sed not de que co sous de



of software installed on a physical server

\* Hypervisor is responsible for isolating dividing this physical machine logically so that multiple people can use this one physical server.

Eg. Azire purchases the physical servers from IBM,

Hypervisors installed on all physical servers.

when we request for one Azure um, this is how um assigns to us on one of the physical servers.

-- - Inside portal, we create MM

1. subscription - free trial

2. Resource Group - create one & gire that?

3. Region - Always select the nearest Region.

4. Availability 2008 - Trong Torse Torse John John

5. image \_ select free trial or select acording to the Requirement as as all the

6. UM architecture - Armsy of X64

7. Run with Aquere spot discount :- select yes

It will give for special discount if there are any unuse

Resources the we shouldn't use this for production. Because Azure can't quarantée. These machines can go down any time.

8. Size - Veny important. Be cause charge will the according

1) General purpose UMS

2) memory optimized vms

3) epu optimized vms cto there are so many

which one should we select :-1. What kind of developer is asking? A scries: - entry-level ims for devitest - be can avoid refired on August 31st 2024 Bs-series: - Strictly for Read/write use cases. Only for learning the platform - Very less cpu, very less RAM - 1 cpu, IRAM less than mobile \* Economical burstable ims - In organizations, tile mostly not use Bs series unless some emergence D-series: - General purpose compute If a developer wants to deploy a sample application much configurations, then we can give D-series VM to him. But if the developer came to you Extender an application with the memory interred, some thing like reddis, then create F-sexies: - compute optimised VMS militarian - for those kind multiple processors running in an application - for those ke 3/17-mx -01-6109 of applications use F-series. - crown Tobs par alling definitions : Paristant multi threading apps the series: - High performance computing virtual machines G-series: - Memory & storage optimised UMS Ls-series - storage optimised VMS T. DB. instances can be installed ne have multiple types of sains- we have to select the event of the file , soul or permissions of accordingly. N- Series: - GPU enabled VMS · LLMs or running ML. . sail What become to

Authonication ctype:
SSH or prusword selected one

Usermane: prod azureuser

SSH public key sourre: Generale new key pair

Key pair name: first-VM-key

once after selecting all the feelds, click Review + create's then we will get an option "Generate new keypais" - Download private key & create Resource.

> In downloads folder we see first-v11-key downloades.

En Azure vni creates

Thist-VM" VM creates.

using public ip address\_ we will login to the Azure My.

ways to connect > 1. Azure shell - not recommended.

2. from terminal / gitbash from windows.

Ssh -i /users / x fmbrzz / down loads / first \_vm - keg . pern azure user@
publicipatures 172.178.84.132

ssh -i path-to-pem-fife username @ ipadress
identity

Warning: upprotected private key file & required that permissions of 64 for perm file is too open. It is required that your private key files are not acceptable by others. permission denied

-> we will see this error

this will set the file hermissions to read and write for the owner of the file, and no permissions for group mem of others).

NOW, ssh command works fine.

now, we connected to a VM. now, we have to diploy a

- After installing Jenkins, it suns on a particular books. port There can be multiple applications deployed on a VM, to access those applications, we need to access ipadress port every application has unique port

\$ps -ef | grap Jenkins Jenking 17449 1 46 14:10 7 -- http port = 8080

-) we can see jenkins is running in 8080 port.

Now, go to browser ->

http://172.178.84.132:8080 -> initially it won't work, because in Azure, all the ports are blocked by default we have to open the post. That's for security retesons.

70 do that ->

Azure vm in portal -> go to vm -> network Sellings -> inbound port rules..., we have to open 1010 port create port rule > 80°

- 1. Source: Any I from where the app should be accessible)
- 2. Source destination: Ip address, for now Any.
- 3. service: eustom
- 4. port: 8080
- 8. protocol: Any
- 6. Action: Allow
- 7. priority: 400

now, In browser, we can access jenkins application.