**Create VM ,Access the VM and install Jenkins**

1.Navigate Azure Portal – create resource group – create virtual machine

2.create VM and give mandatory details and download the pem file

3.For best practice to install Jenkins in vm ,install git bash physically

4.Git bash commands

1.ssh -i path for the pem file azureuser@public ipaddress

For this ssh -i "C:\Users\Raju\Downloads\first-vm-1\_key.pem" [azureuser@20.84.68.29](mailto:azureuser@20.84.68.29)

5.install Jenkins by using following commands

1. sudo apt update

sudo apt install openjdk-17-jre

2. java -version

3.  
curl -fsSL https://pkg.jenkins.io/debian/jenkins.io-2023.key | sudo tee \

/usr/share/keyrings/jenkins-keyring.asc > /dev/null

echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \

https://pkg.jenkins.io/debian binary/ | sudo tee \

/etc/apt/sources.list.d/jenkins.list > /dev/null

sudo apt-get update

sudo apt-get install Jenkins

6.If you want to verify whether Jenkins installed or not

1.ps -ef | grep Jenkins

Its shows which port Jenkins are running its 8080

7.Finally, we check in port the Jenkins are running or not

By default, any cloud provider port rules are blocked, we need to enable this

8.Go to VM -networksettings-create port rule- inbound port rule -add 8080 port

9.verify the ports whether the Jenkins is running or not with the public ip address

<http://20.84.68.29:8080>

its shows sign in jenkins