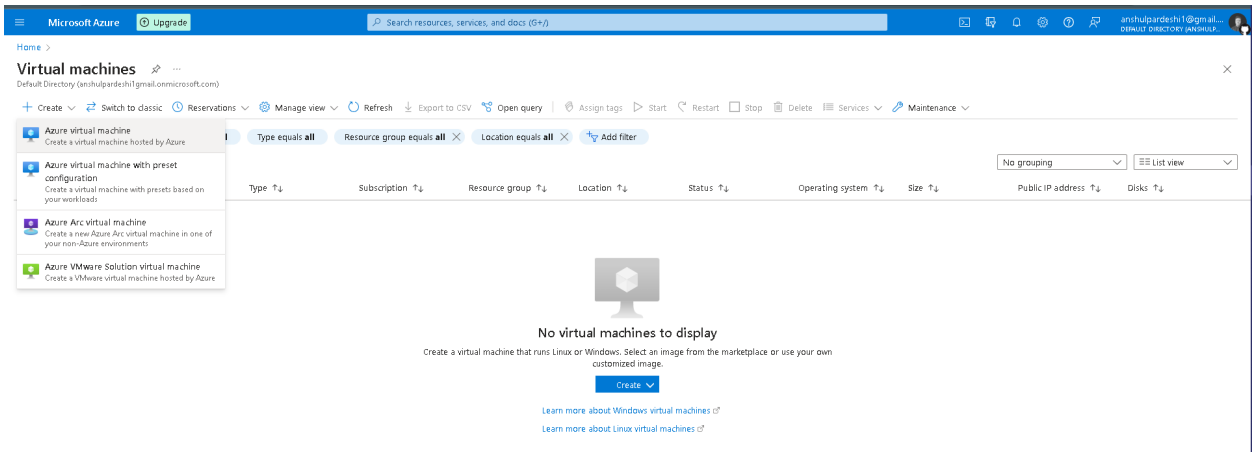
Azure-App-And-Container-Services-1

Do the following:

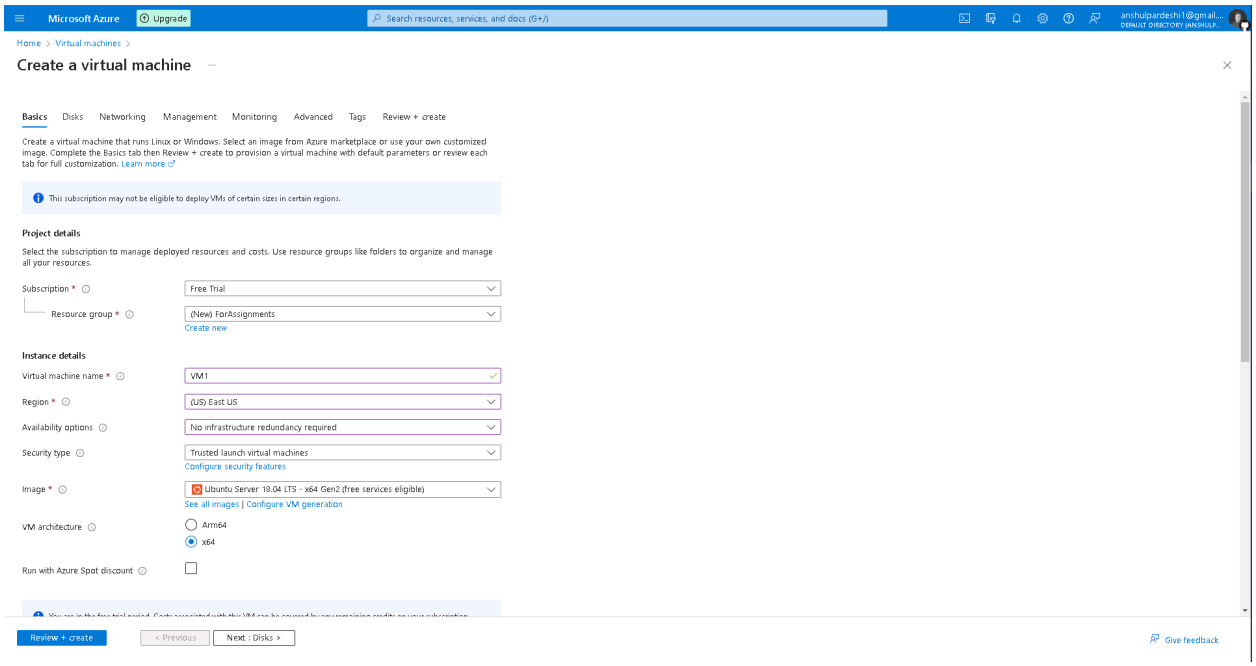
1.Install Docker using VM.

2. Pull HSHAR/WEBAPP (https://hub.docker.com/r/hshar/webapp) repository . Create a new file in this repository.

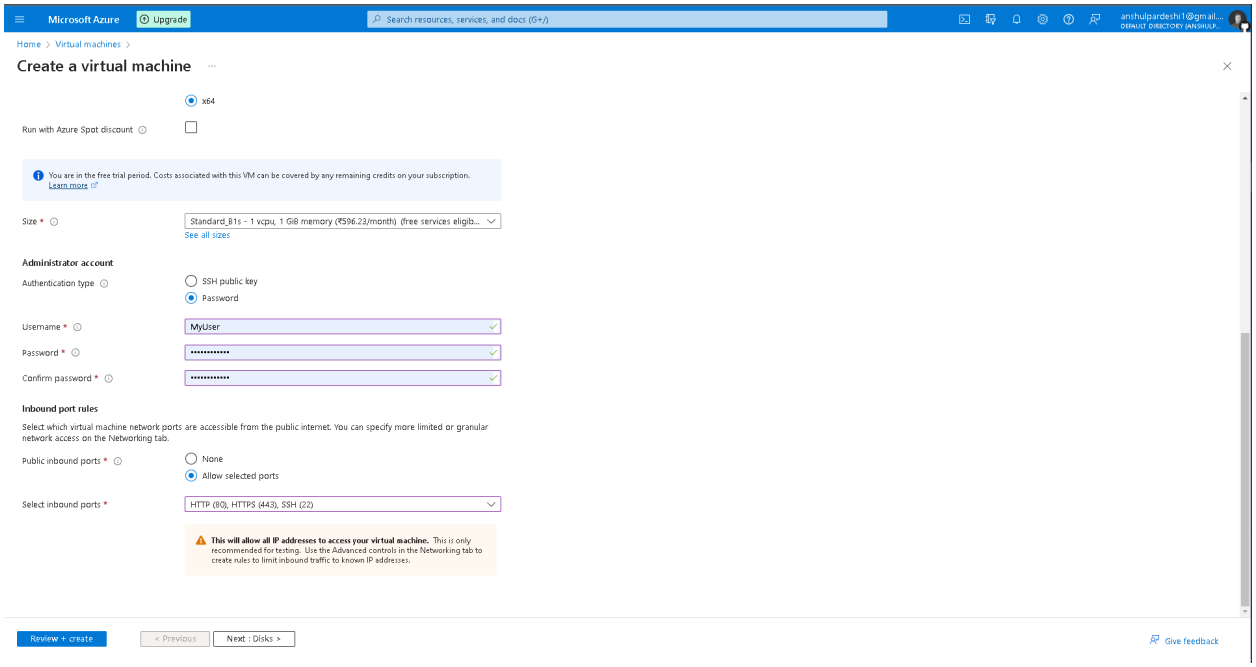
Let us create a VM first.
Goto Virtual MAchines from search bar and click on plus icon to create.



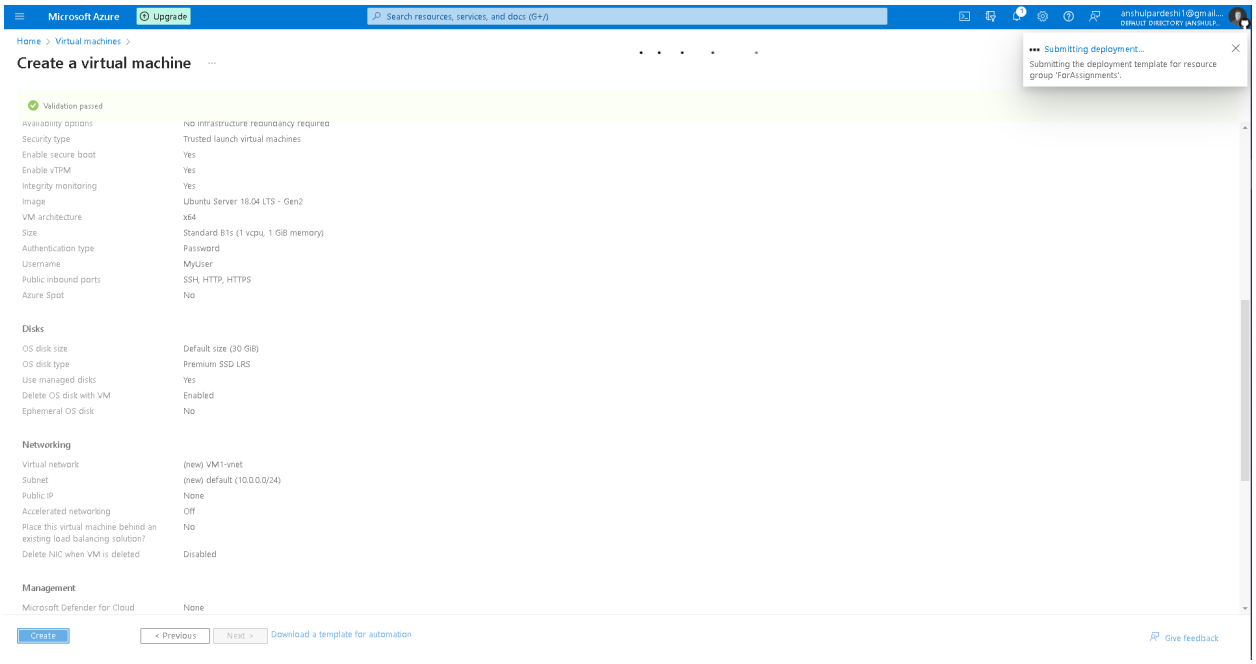
Give your VM a name. Select proper RG and we will make a VM using ubuntu OS in east us region.



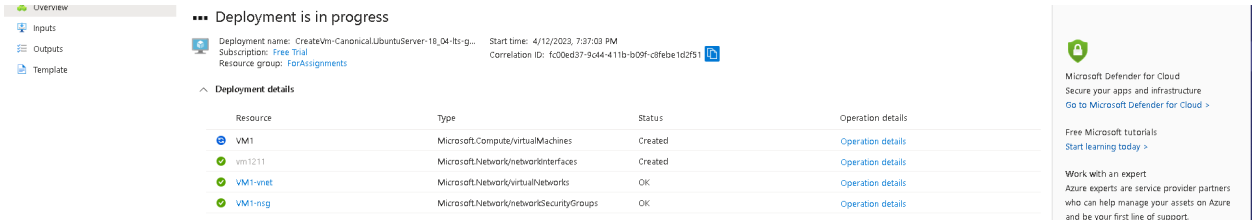
Choose your authentication type. Open ssh port. We can open other ports later if needed.



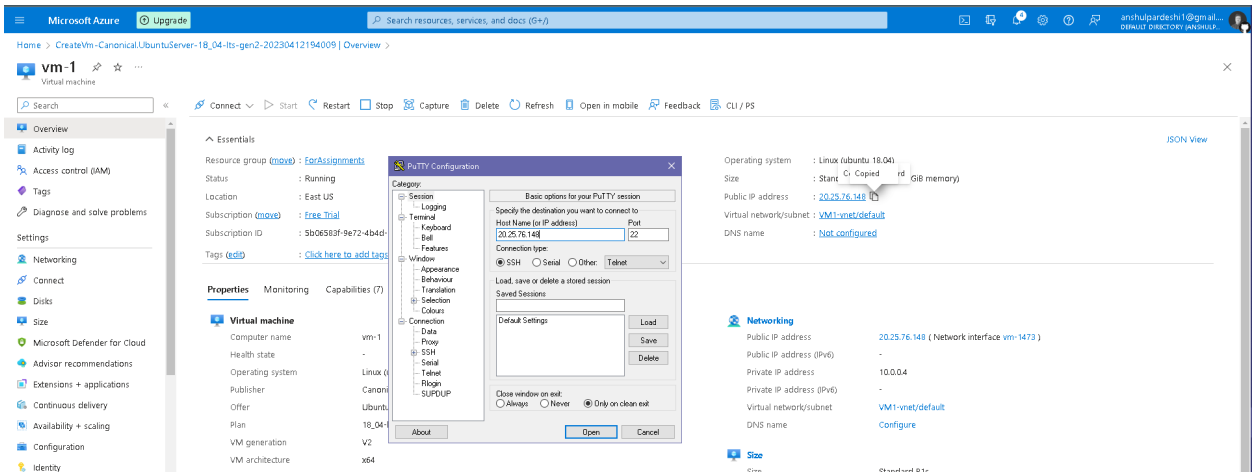
Click on review and create.



Go to resource once deployment is done.



Let us ssh into VM. Copy public ip and paste it in PUTTY. YOu can use any other method to ssh if you want.



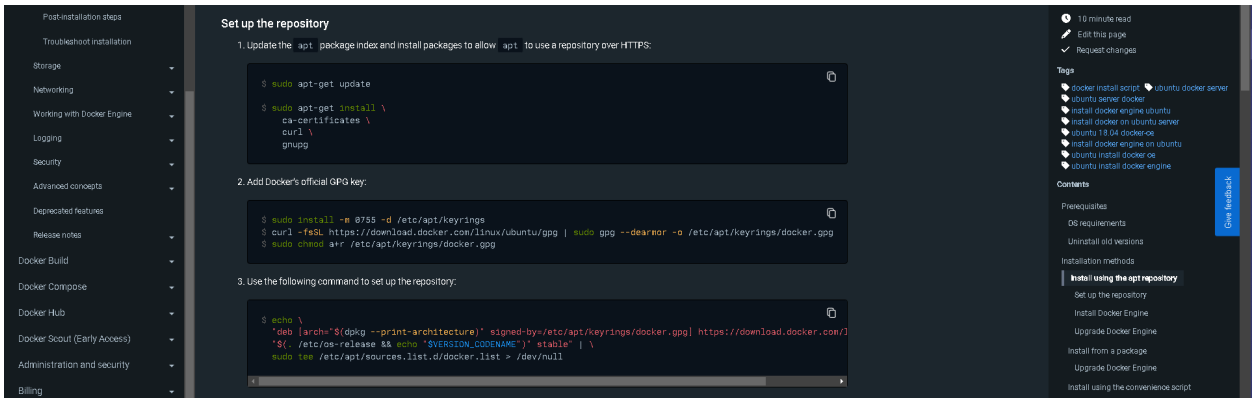
Update the VM first using: sudo apt-get update -y
Once updated let us install docker.

Steps to install Docker:

1.sudo apt-get update
**sudo apt-get install **
**ca-certificates **
**curl **
gnupg

2. sudo install -m 0755 -d /etc/apt/keyrings
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /etc/apt/keyrings/docker.gpg
sudo chmod a+r /etc/apt/keyrings/docker.gpg

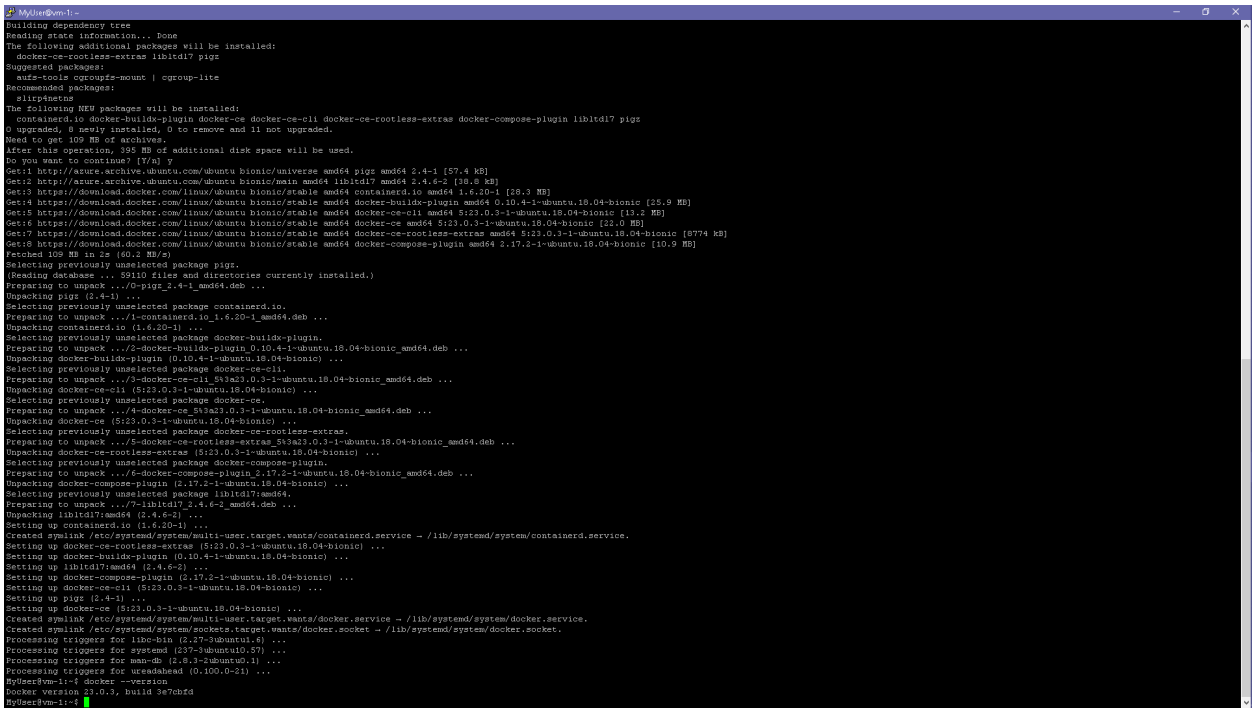
**3. echo **
**"deb [arch="$(dpkg --print-architecture)" signed-by=/etc/apt/keyrings/docker.gpg] https://download.docker.com/linux/ubuntu **
**"$(. /etc/os-release && echo "$VERSION_CODENAME")" stable" | **
sudo tee /etc/apt/sources.list.d/docker.list > /dev/null



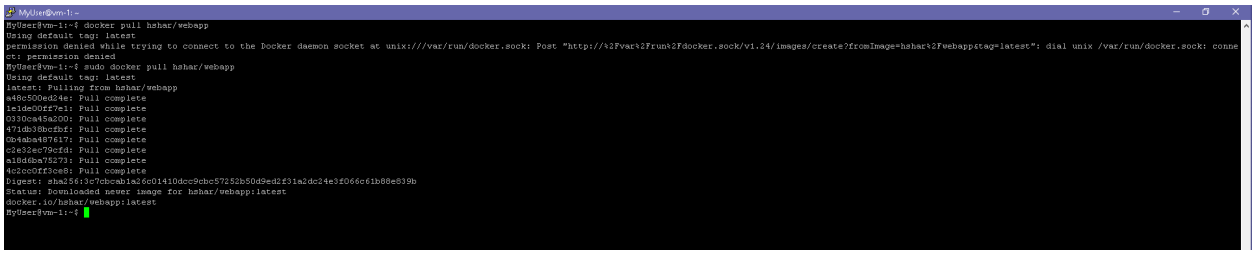
Next:

1. **sudo apt-get update**
2. **sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin**
3. **sudo docker run hello-world**

Docker is installed



Let us pull hshar/webapp repo now.
For that simply use command: docker pull hshar/webapp



Now let us create a new file in this repo.
For that first: sudo docker ps
Copy the container id of hshar/webapp image.
Then: sudo docker exec -it <container id> bash
Then create a file: touch <file name>