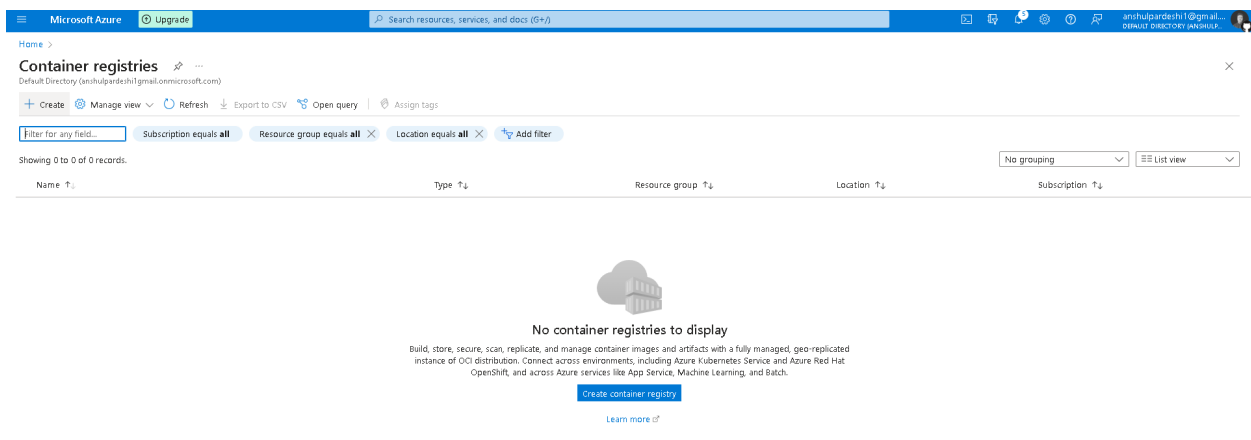# Azure-App-And-Container-Services-2
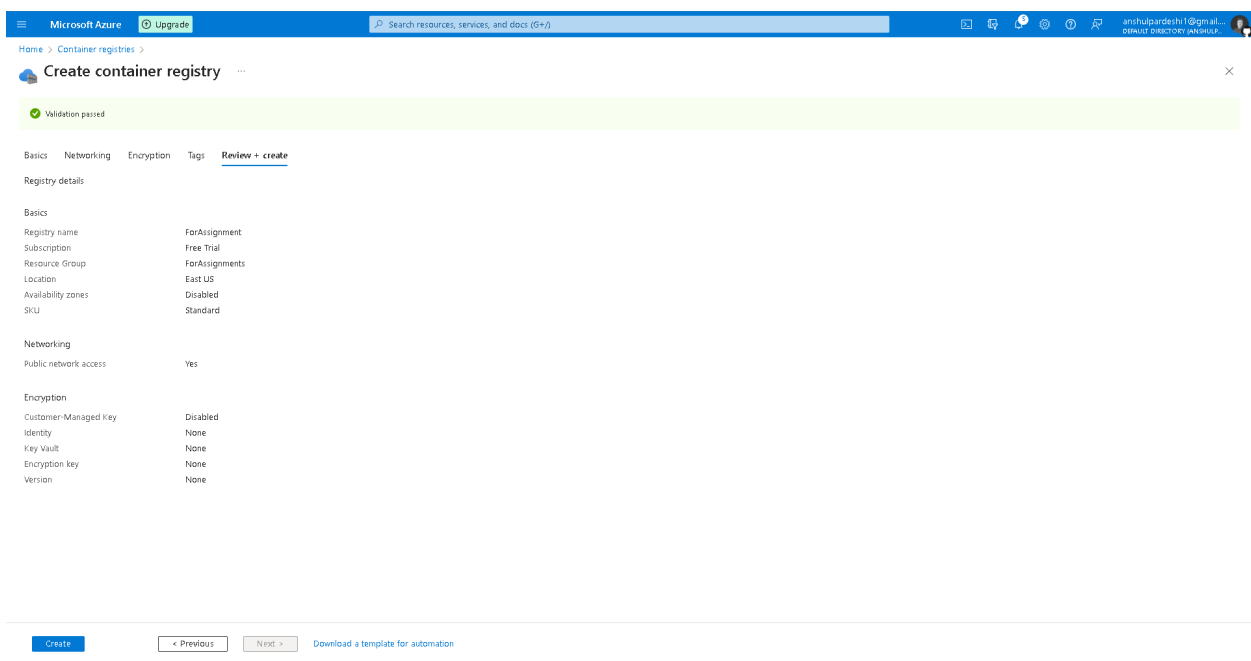
Do the following:
1. CREATE AZURE CONTAINER REGISTRY AND CONNECT IT TO DOCKER RUNNING IN VM.
2. UPLOAD THE IMAGE YOU CREATED IN THIS AZURE TO CONTAINER REGISTRY.
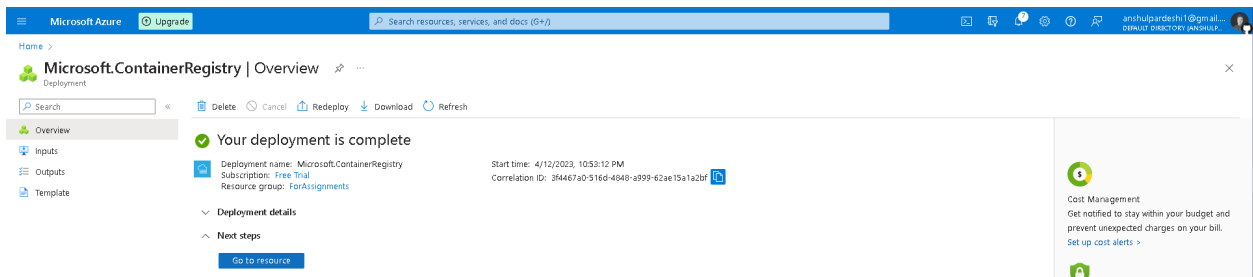**3. CREATE AN APP SERVICE TO THE DEPLOY THE SAME IMAGE.**

Let us create a container registry first.m Go to search bar search container registry and click on + icon to create.

Just name it and review and create.
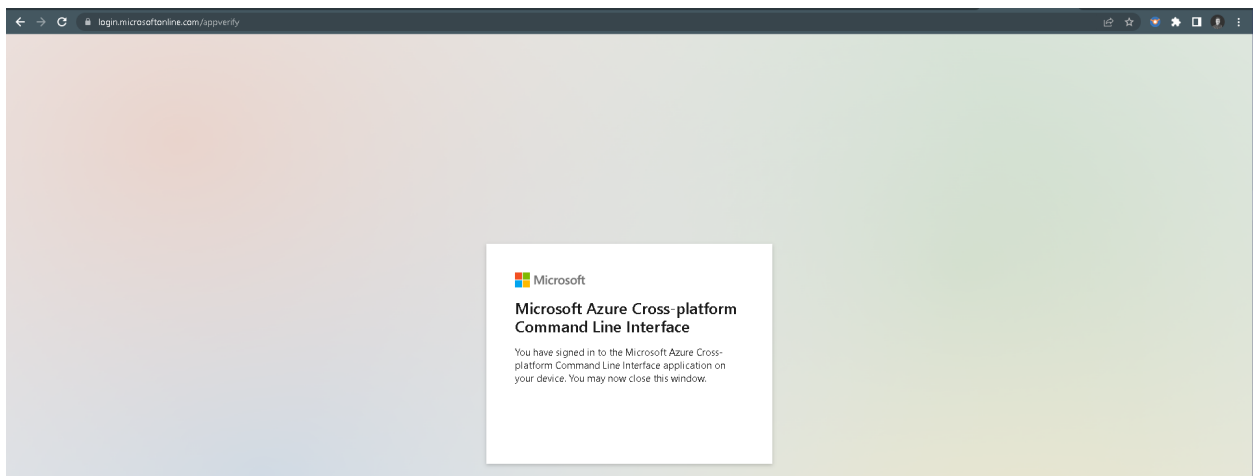
Deployment is complete. Go to resource.

We need to authenticate to container registry. For this:
First use command: sudo az login
Then copy the link and paste it in browser.

Provide credentials and you will be logged in.

Now use command: az acr login --name <registry-name>

You can see the repo in the registry is empty right now. Let us push image in it.
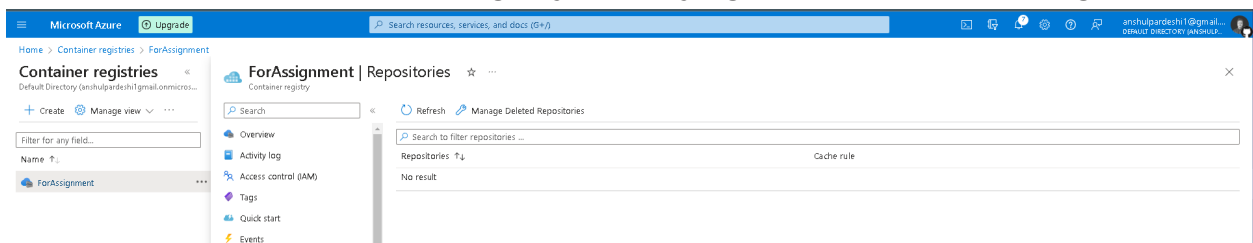
First tag the image using:
docker tag <image-name> <registry-name>.azurecr.io/<image-name>
Then push it using:
docker push <registry-name>.azurecr.io/<image-name>

```
Uppercase characters are detected in the registry name. When using its server url in docker commands, to avoid authentication errors, use all lowercase.
Login Succeeded
MyUser@vm-1:~$ ls
MyUser@vm-1:~$ sudo docker ps
CONTAINER ID   IMAGE           COMMAND                CREATED       STATUS       PORTS      NAMES
aff19a8b4050   0cbc1f535ed8    "/bin/sh -c 'apachec…"  3 hours ago   Up 3 hours   80/tcp     nostalgic_saha
d35d987a959a   hshar/webapp    "/bin/sh -c 'apachec…"  3 hours ago   Up 3 hours   80/tcp     tender_hamilton
MyUser@vm-1:~$ sudo docker push forassignment.azurecr.io/hshar/webapp
Using default tag: latest
The push refers to repository [forassignment.azurecr.io/hshar/webapp]
An image does not exist locally with the tag: forassignment.azurecr.io/hshar/webapp
MyUser@vm-1:~$ docker tag hshar/webapp forassignment.azurecr.io/hshar/webapp
WARNING: Error loading config file: /home/MyUser/.docker/config.json: open /home/MyUser/.docker/config.json: permission denied
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Post "http://%2Fvar%2Frun%2Fdocker.sock/v1.24/images/hshar/webapp/tag?repo=forassignment.azurecr.io%2Fhshar%2Fwebapp&tag=latest": dial
unix /var/run/docker.sock: connect: permission denied
MyUser@vm-1:~$ sudo docker tag hshar/webapp forassignment.azurecr.io/hshar/webapp
MyUser@vm-1:~$ sudo docker push forassignment.azurecr.io/hshar/webapp
Using default tag: latest
The push refers to repository [forassignment.azurecr.io/hshar/webapp]
f9445cdd87ab: Pushed
3e59a52a52d1: Pushed
754d8c63561b: Pushed
059ad60bcacf: Pushed
8db5f072feec: Pushed
67885e448177: Pushed
ec75999a0cb1: Pushed
65bdd50ee76a: Pushed
latest: digest: sha256:3c7cbcab1a26c01410dcc9cbc57252b50d9ed2f31a2dc24e3f066c61b88e839b size: 1985
MyUser@vm-1:~$
```
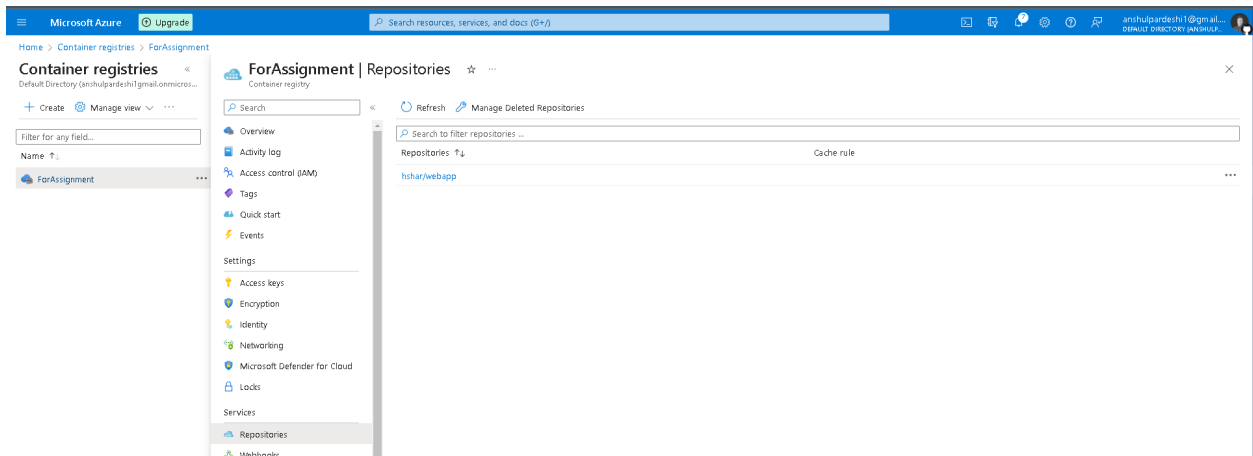
Now, can check repo in container registry for pushed image.
It is present!

Let us deploy a app service now.
For that search for App Service and click on + icon to create new.
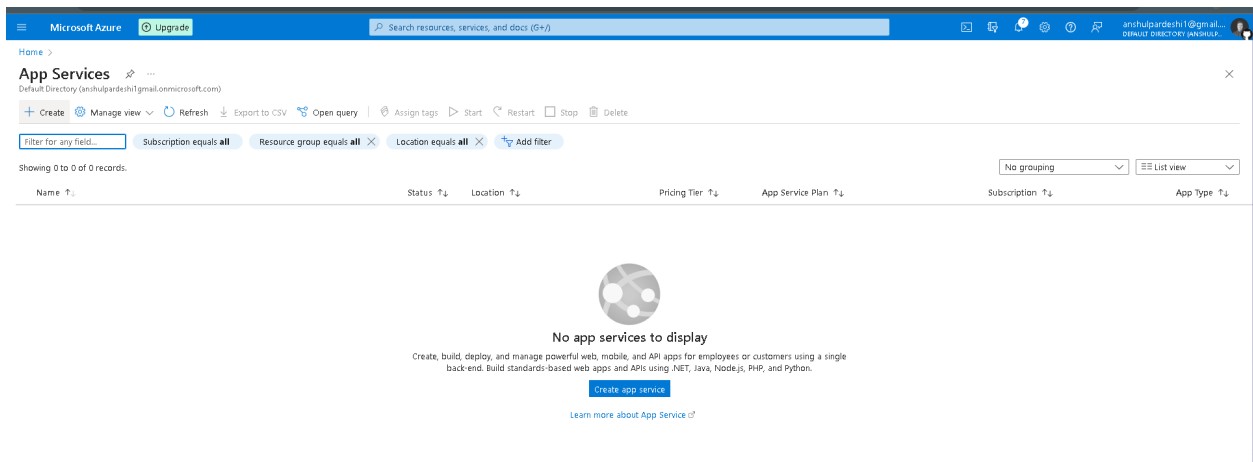
Fill in the basic details. In publish section choose Docker Container.

Click on next to Docker. Select Image source as Azure Container Service Registry.

Note: Make sure Admin User is enabled in Container registry in Access keys.

Then Review and create.

Deployment is complete. Go to resource.

Copy the default domain and paste it in browser.

Image has been deployed