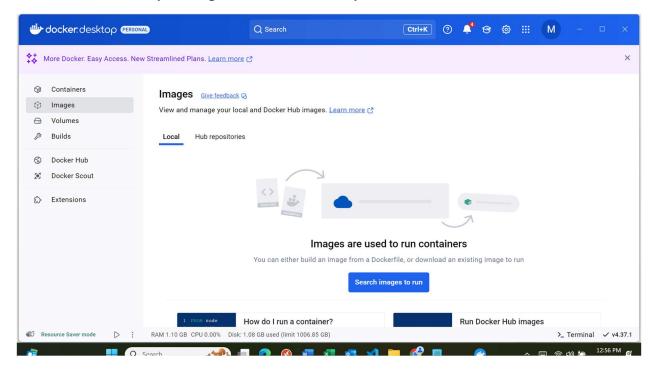
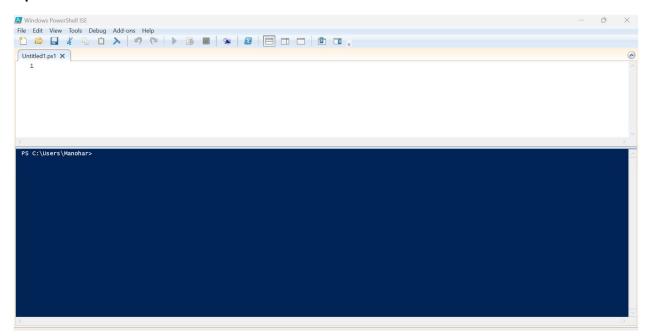
Install docker desktop and sign in to docker desktop



Open PowerShell



Check the docker version

```
Windows PowerShell ISE

File Edit View Tools Debug Add-ons Help

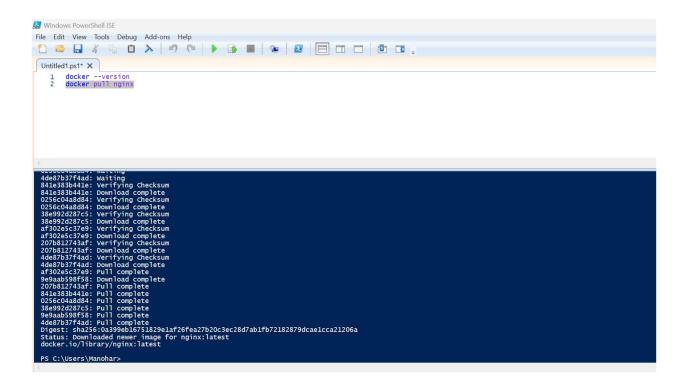
Untitled1.ps1* X

1 docker --version

PS C:\Users\Manohar> docker --version
Docker version 27.4.0, build bdezb89

PS C:\Users\Manohar>
```

Pull nginx image from docker hub



Check the downloaded image

```
File Edit View Tools Debug Add-ons Help

Untitled1.ps1* X

1 docker --version
2 docker pull nginx
3 docker images
```

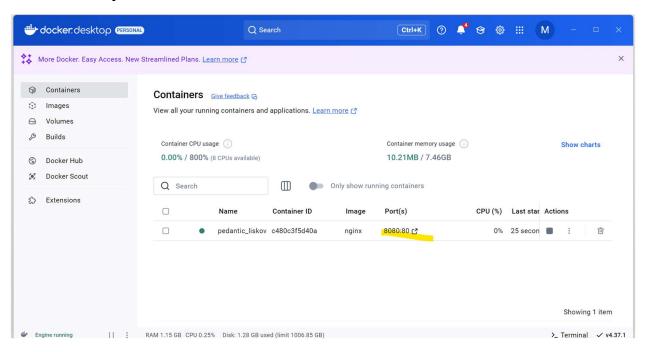
```
38e992d287c5: Download complete
af302e5c37e9: Verifying Checksum
af302e5c37e9: Download complete
207b812743af: Verifying Checksum
207b812743af: Download complete
4de87b37f4ad: Download complete
4de87b37f4ad: Download complete
9e9aab598f58: Download complete
207b812743af: Pull complete
9e9aab598f58: Download complete
207b812743af: Pull complete
9e9aab598f58: Pull complete
0256c04a8d84: Pull complete
9e9aab598f58: Pull complete
4de87b37f4ad: Pull complete
4de87b37f4ad: Pull complete
9e9aab598f58: Pull c
```

Run the container

```
PS C:\Users\Manohar> dorker run =it =p 8080:80 nginx

| Initiation | Initiatiation | Initiation | Initiation
```

Access it locally



Localhost:8080

Welcome to nginx!

For online documentation and support please refer to $\underline{nginx.org}.$ Commercial support is available at $\underline{nginx.com}.$

Thank you for using nginx.

Create azure container registry

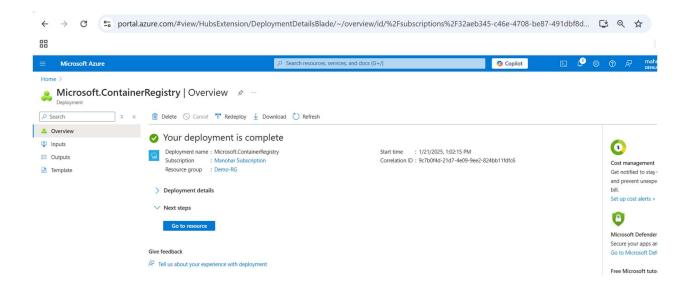


Home > Container registries >

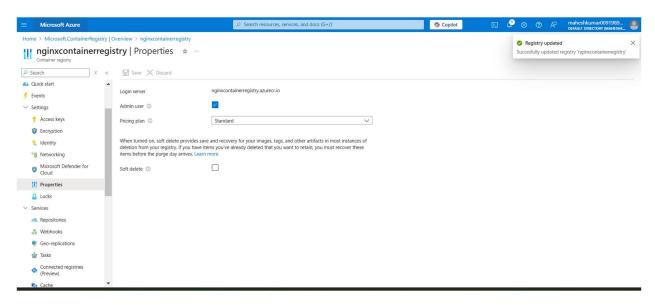


Azure Container Registry allows you to build, store, and manage container images and artifacts in a private registry for all types of container deployments. Use Azure container registries with your existing container development and deployment pipelines. Use Azure Container Registry Tasks to build container images in Azure on-demand, or automate builds triggered by source code updates, updates to a container's base image, or timers. Learn more

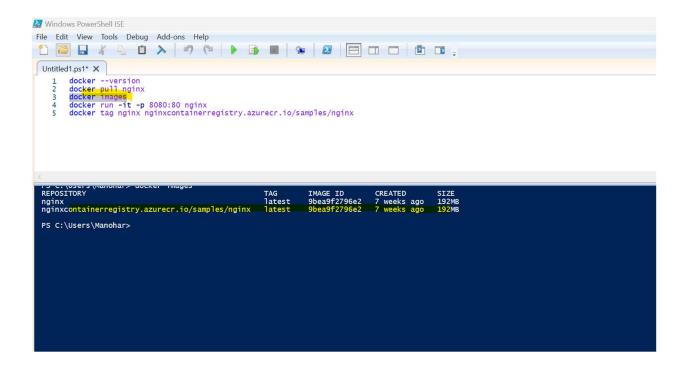
Project details Manohar Subscription Subscription * Demo-RG Resource group * Create new Instance details nginxcontainerregistry Registry name * .azurecr.io Location * Central India Use availability zones (1) Availability zones are activated on premium registries and in regions that support availability zones. Learn more Pricing plan * ① Standard ~ Review + create < Previous Next: Networking >



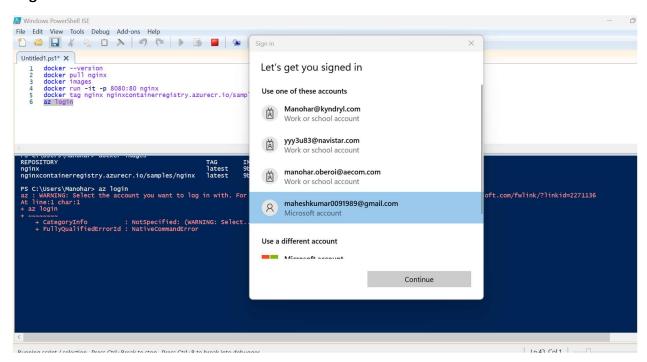
Enable admin user in properties



Tag the docker image



Login to azure



Login to azure container registry

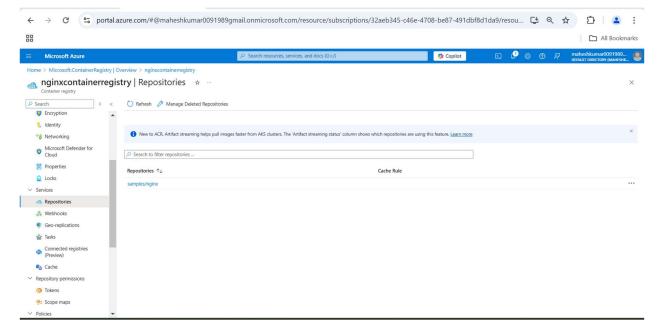
```
Windows PowerShell ISE

File Edit View Tools Debug Add-ons Help

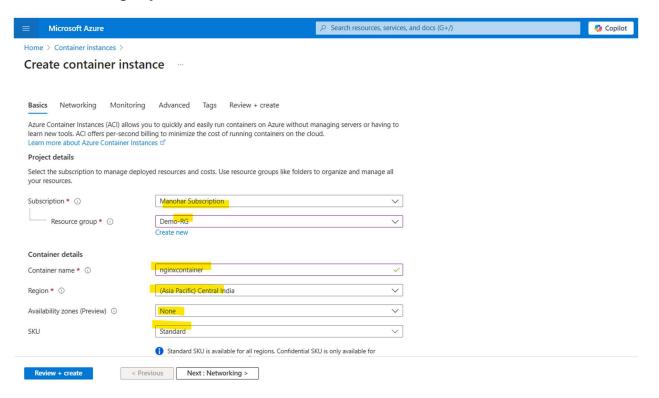
| It will be to be
```

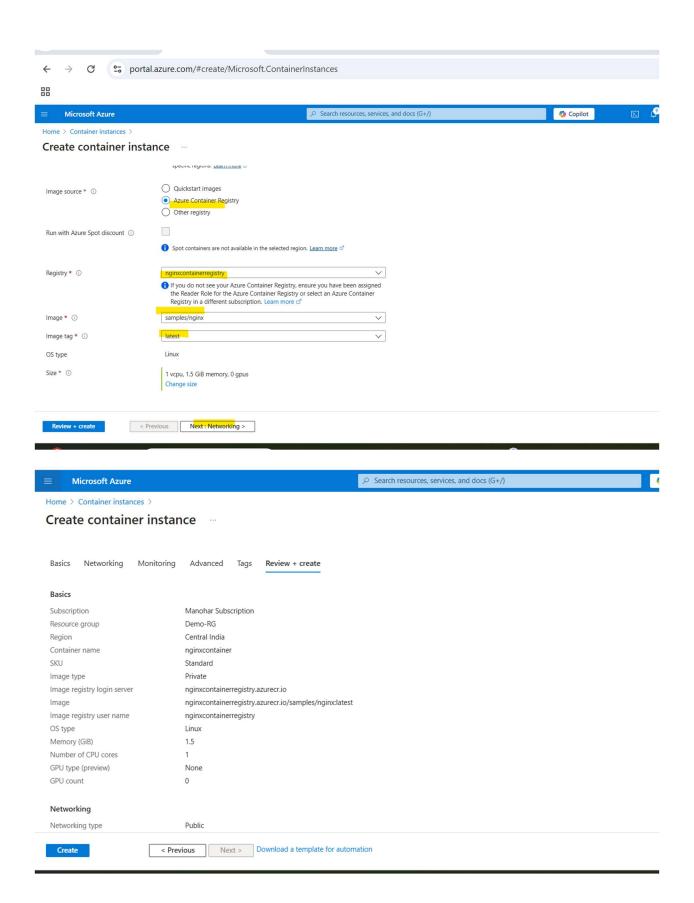
Push the nginx image to the azure container registry

Image is pushed successfully to the azure container registry

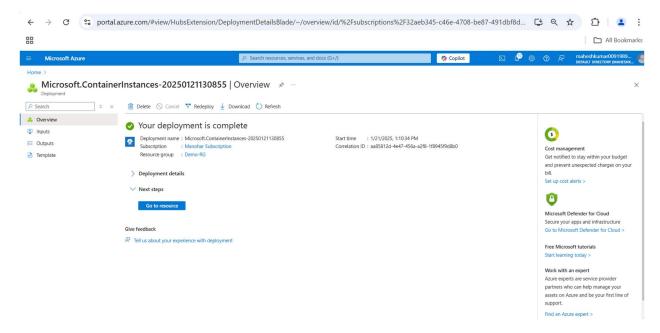


Create azure container instance & in the source image choose the image which we pushed to the container registry

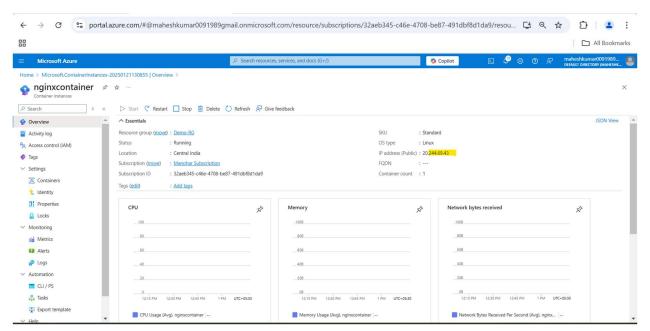




Deployment is complete.



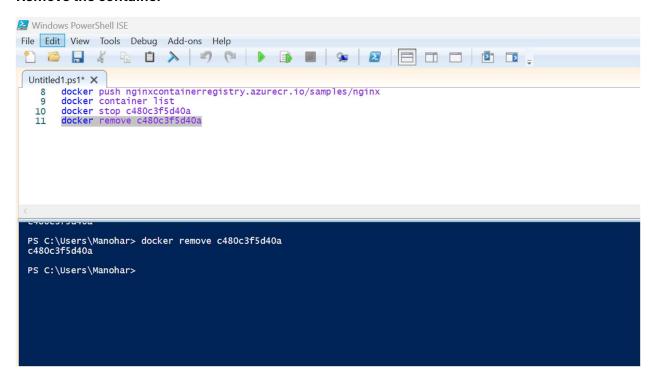
Copy the public ip of the container instance and pasted on the browser and we are able to see the nginx default page.



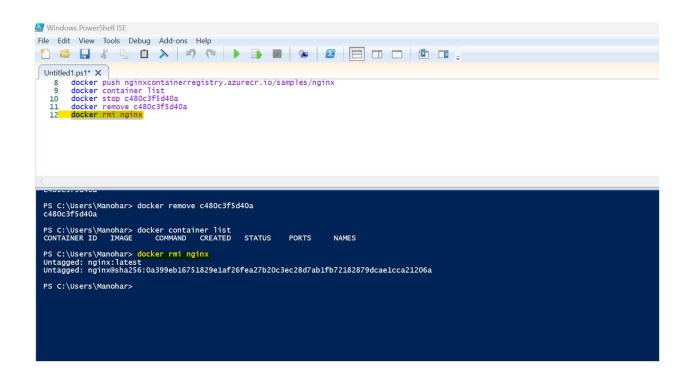


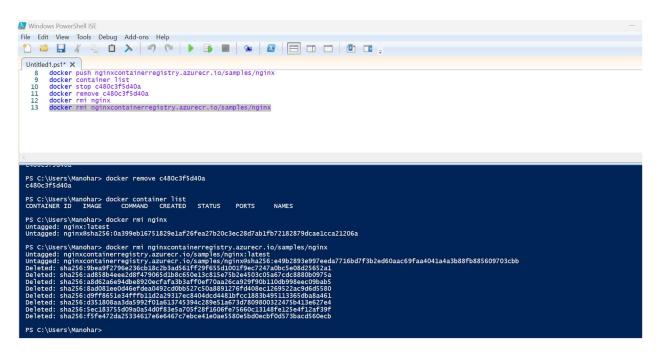
Now we are done so we will go ahead and delete all the resources.

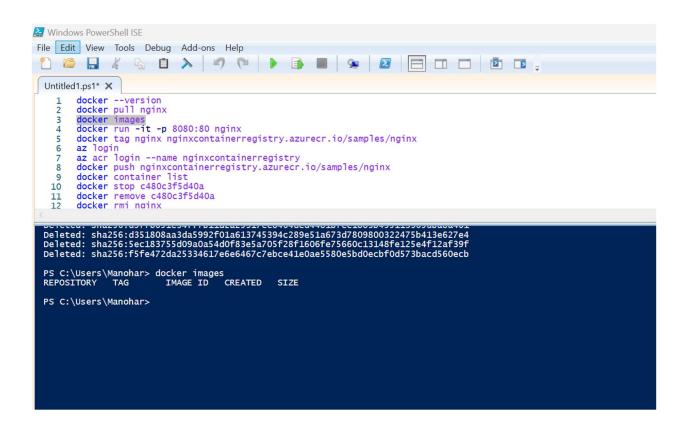
Remove the container

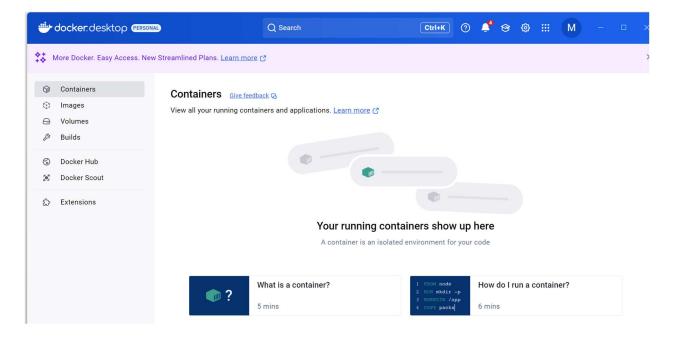


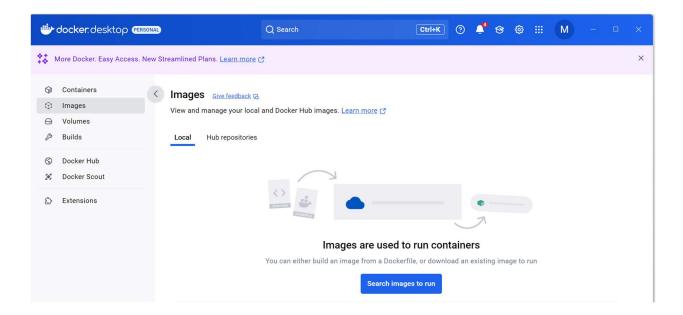
Remove the nginx image











Deleted container registry and container instance

