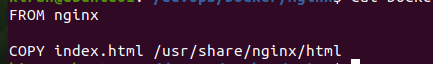
Docker && Kubernetes

Docker Task:

1.create a docker container with customized homepage of NGINX

Created Image



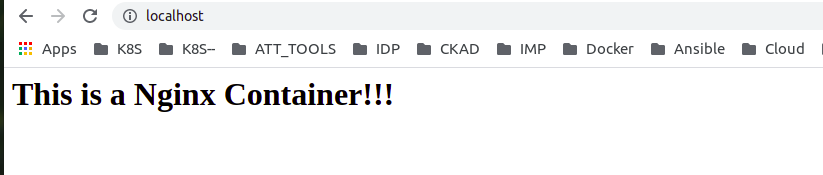




Index.html file

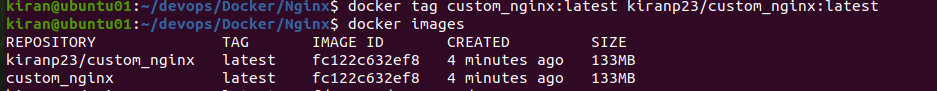


Successfully verified

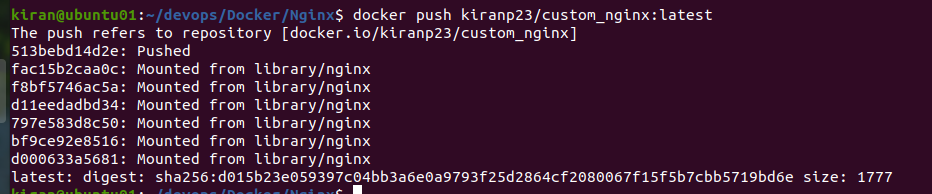


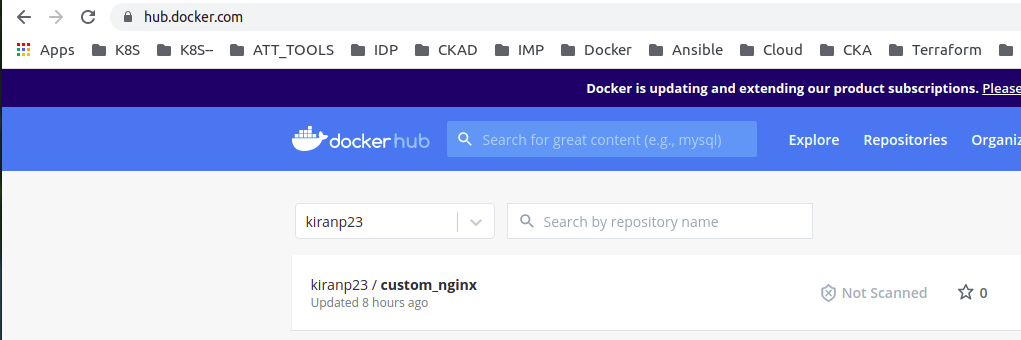
2.save image upload to hub.docker.com

Created Tag



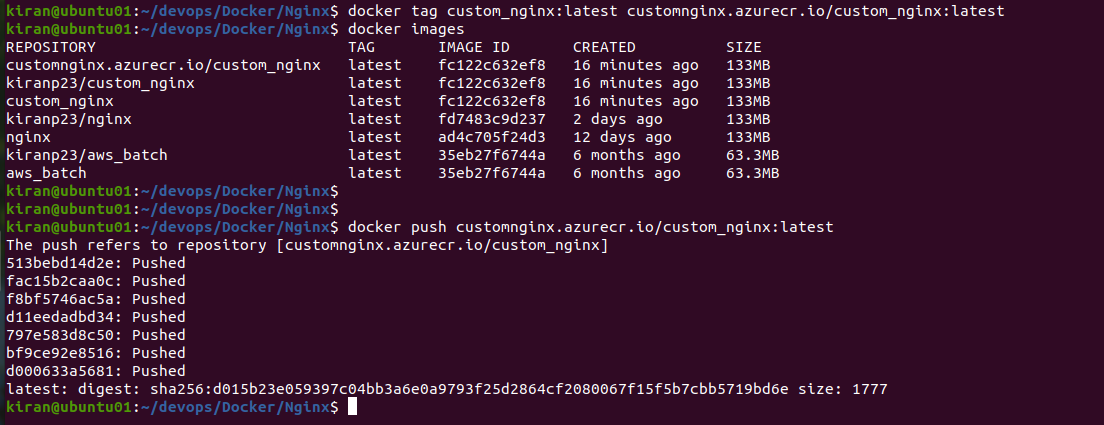
Pushed Image to docker hub

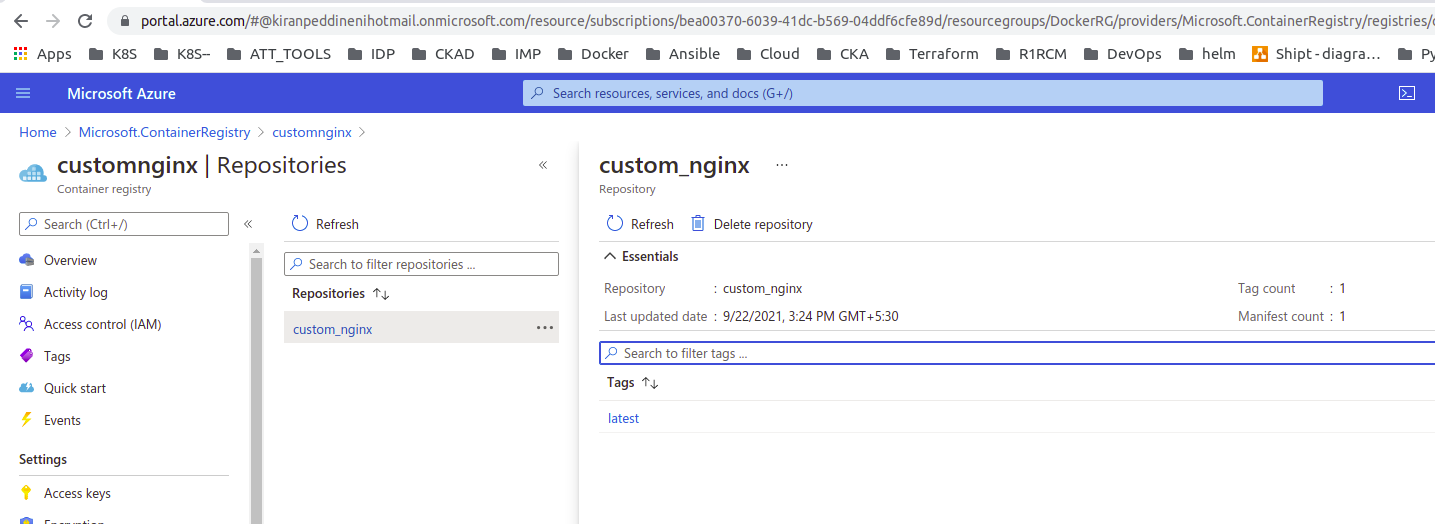


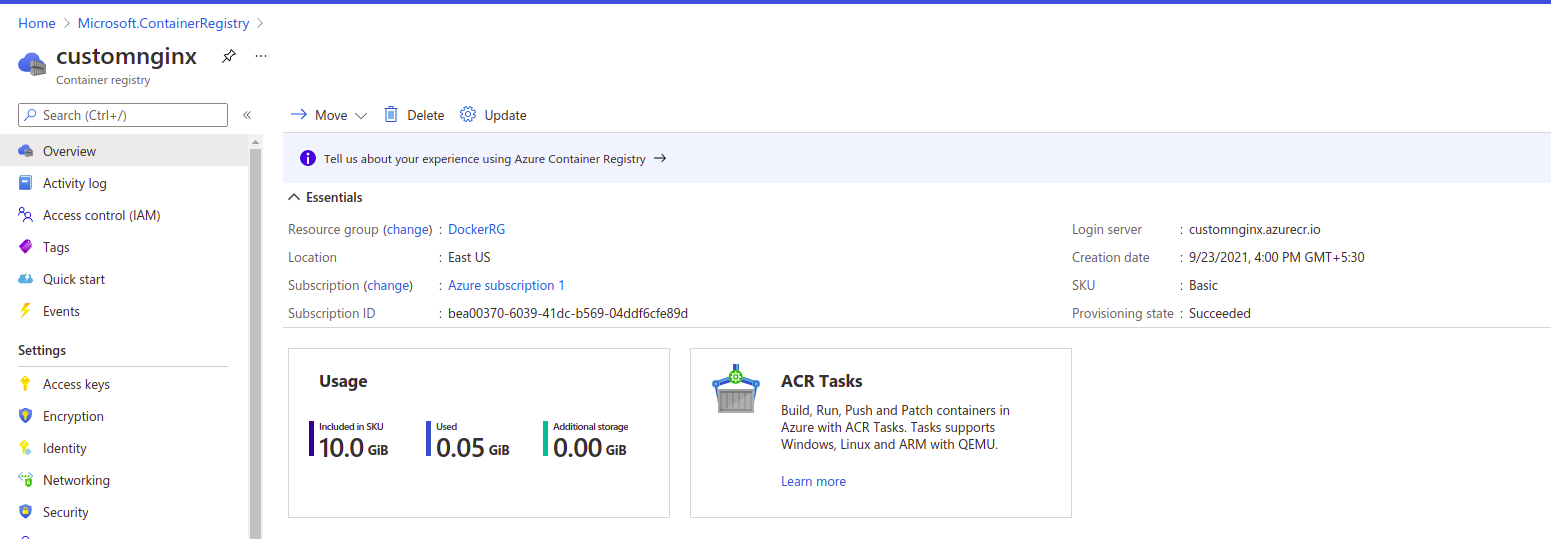


3. upload the image to azure CRegistry

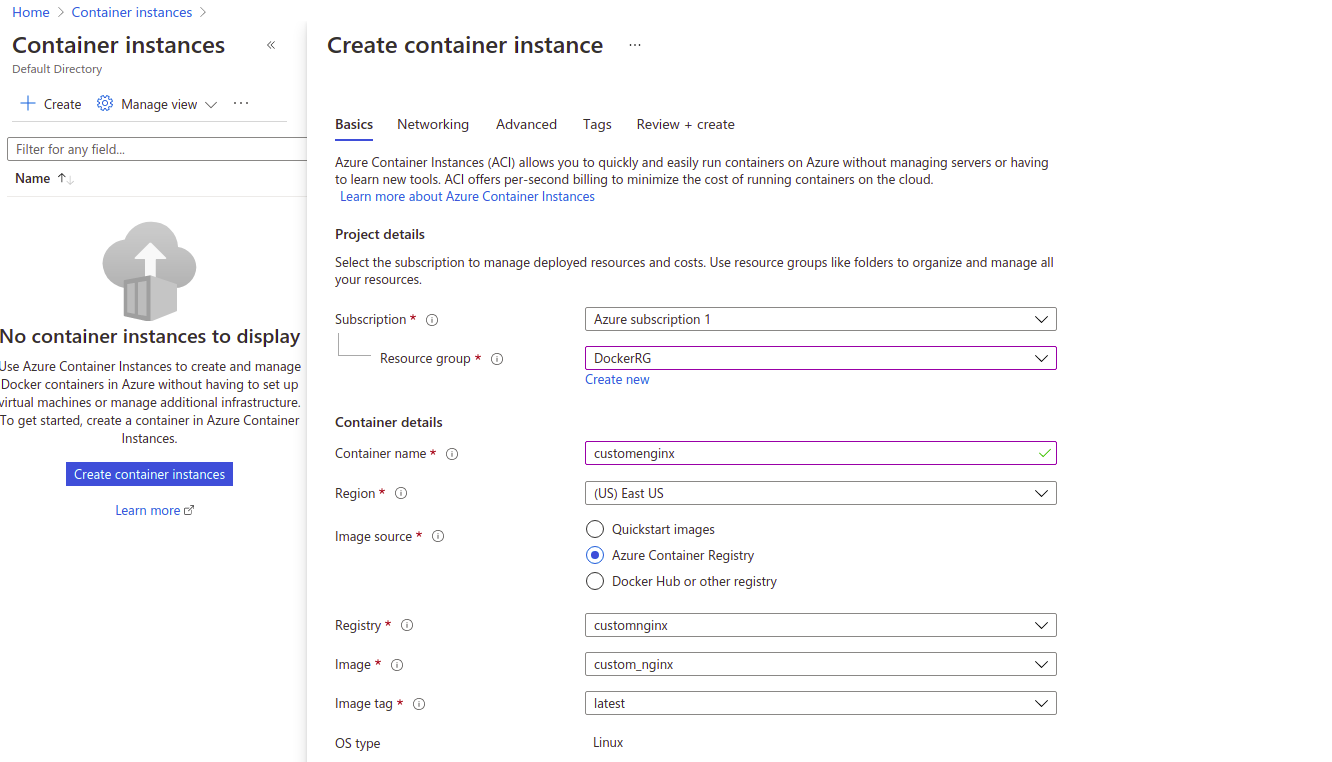
Pushed to azure Container Registry

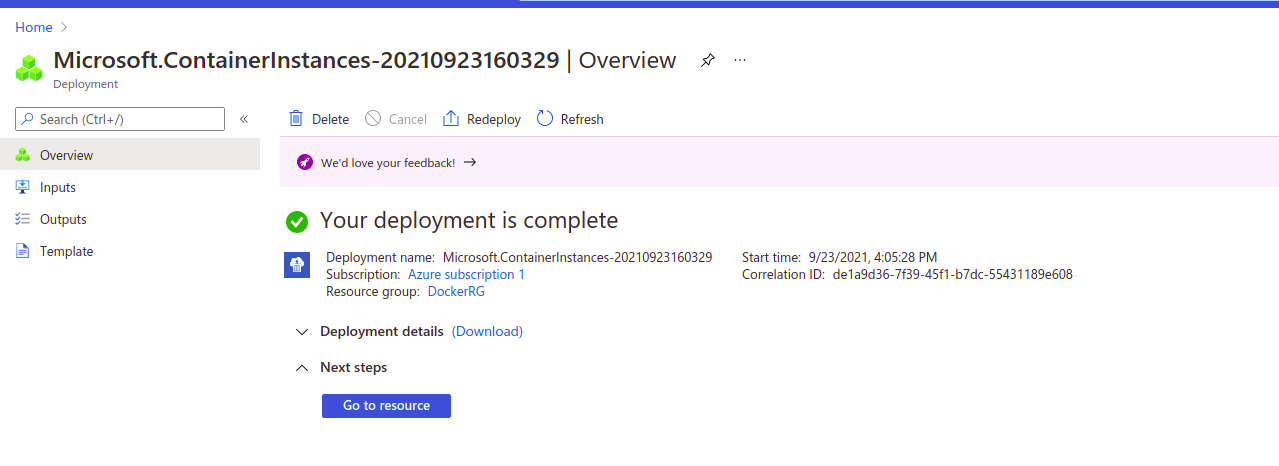


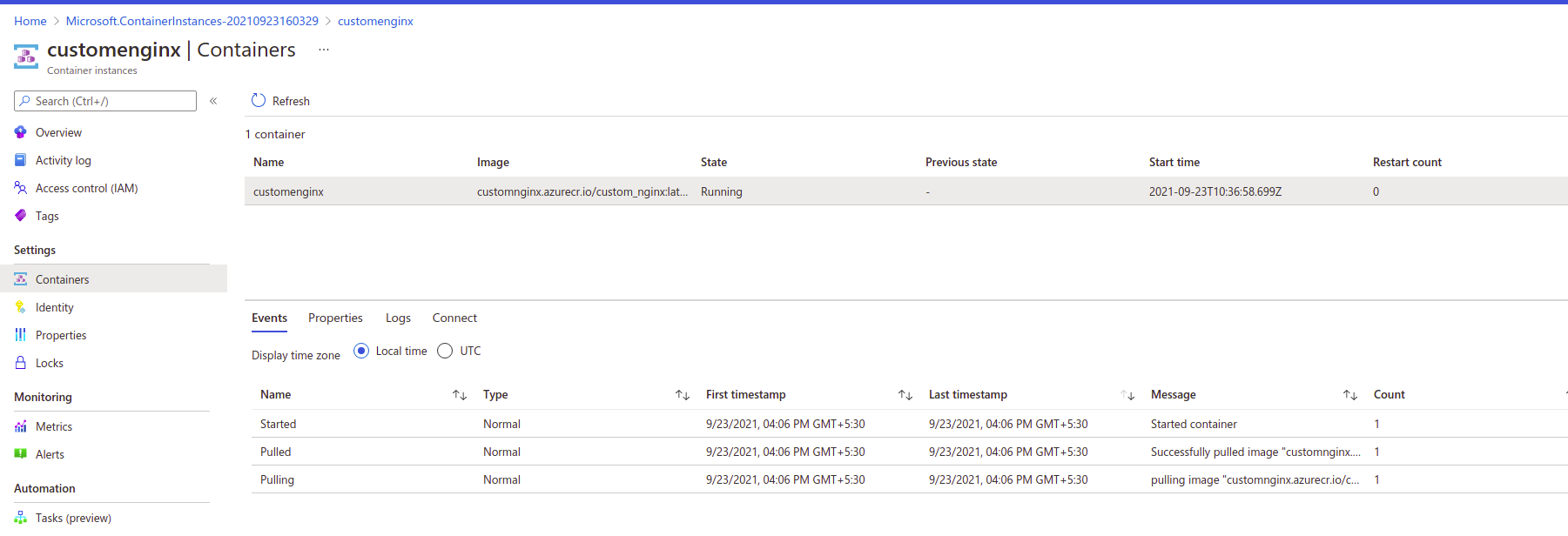


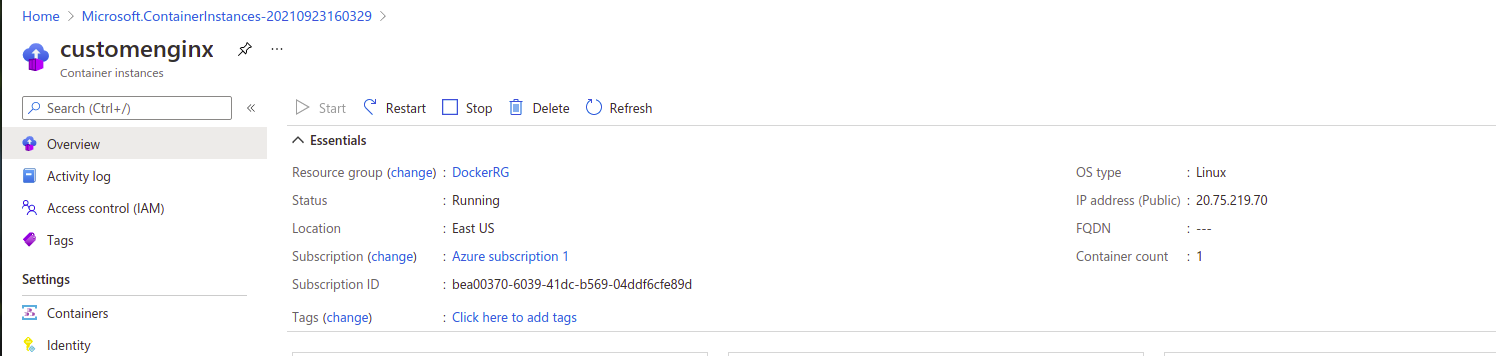


4. run created image in ACInstance

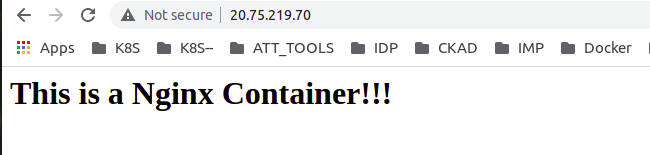






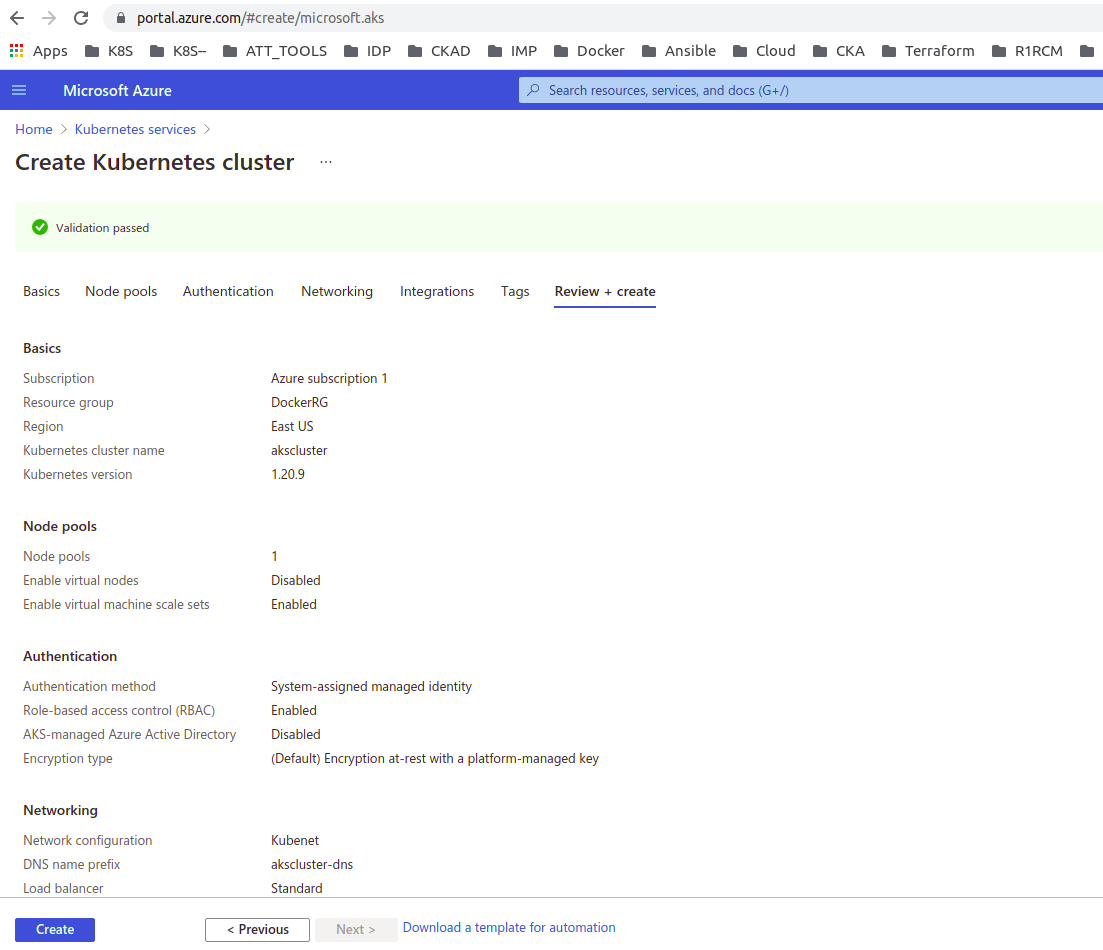


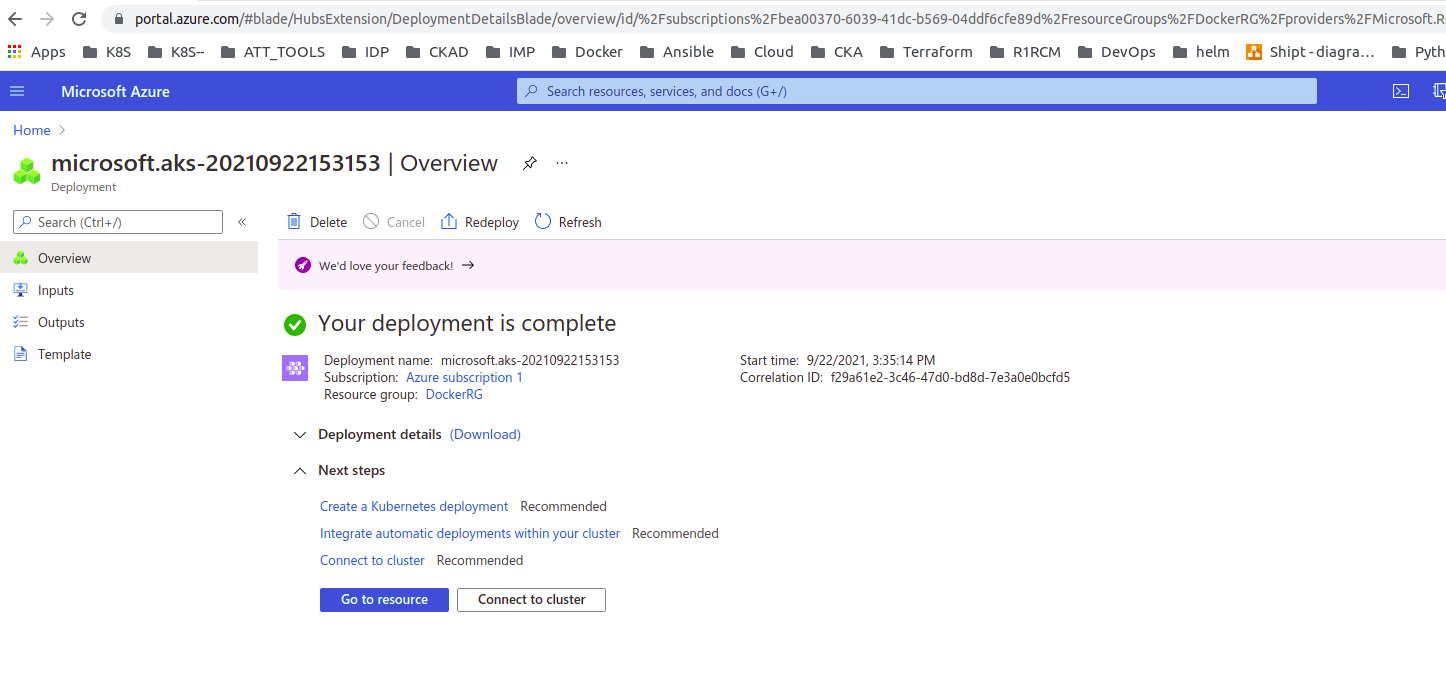
Tested Successfully



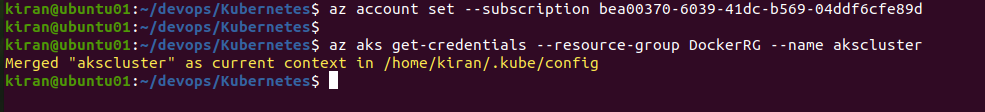
Kubernetes Task:

1) Create AKS Cluster

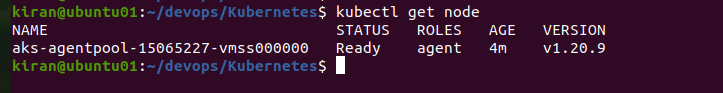




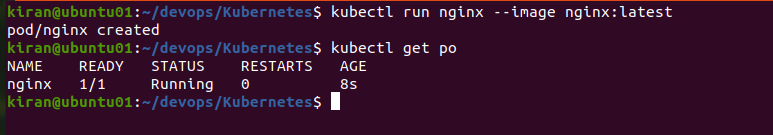
Setting up kubectl



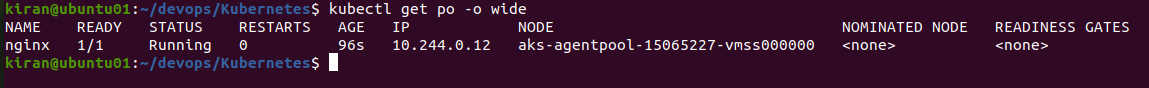
Successfully Connected



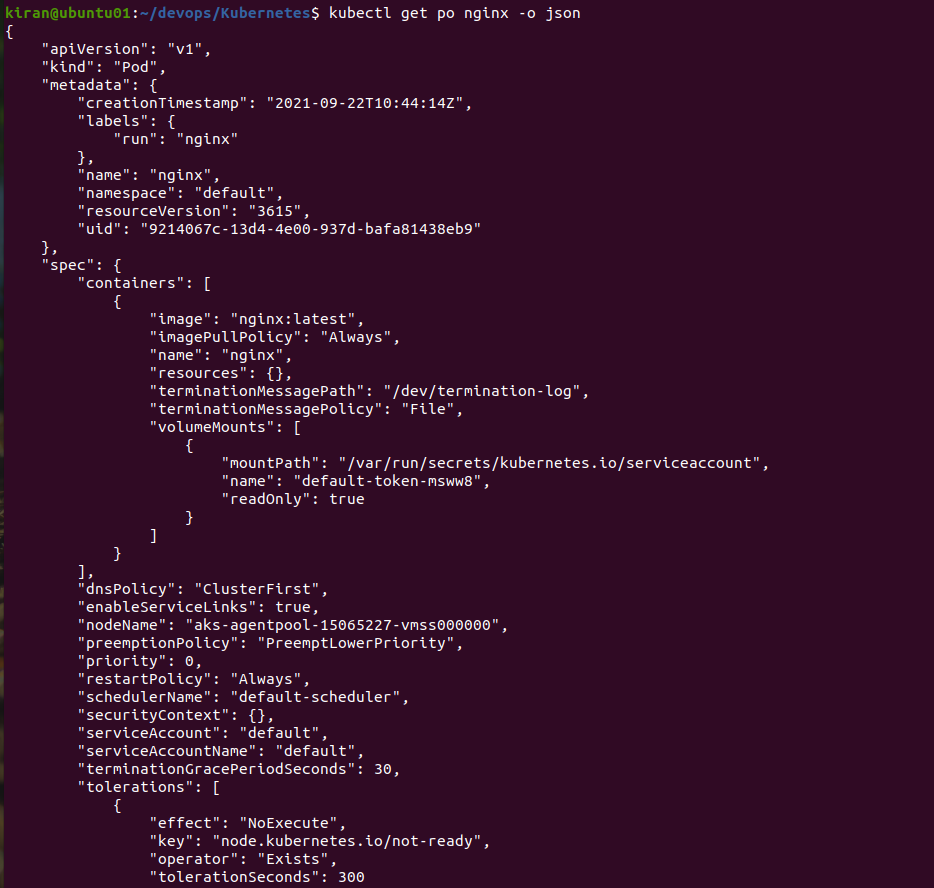
Deploying Your First Nginx Pod && Viewing Your Pod



Where is your Pod running on?

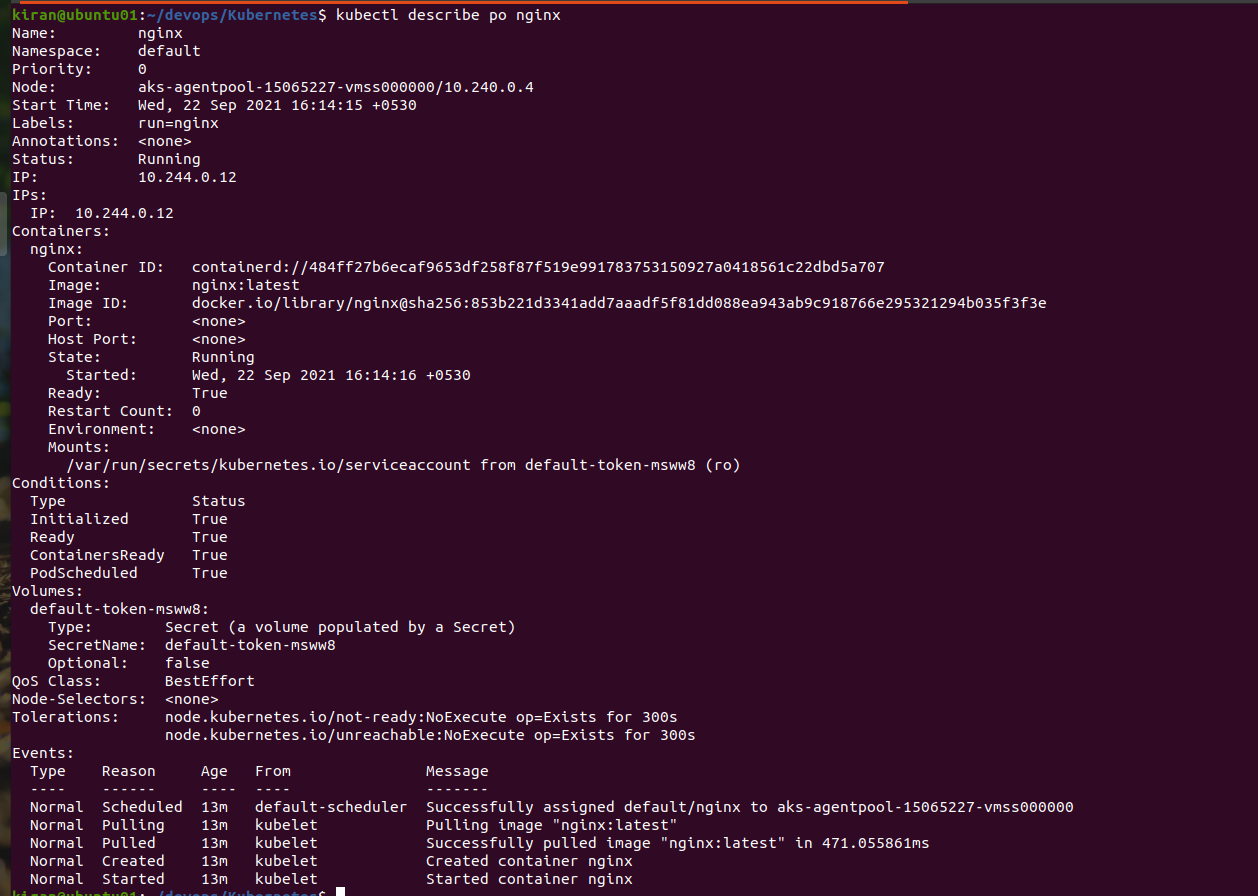


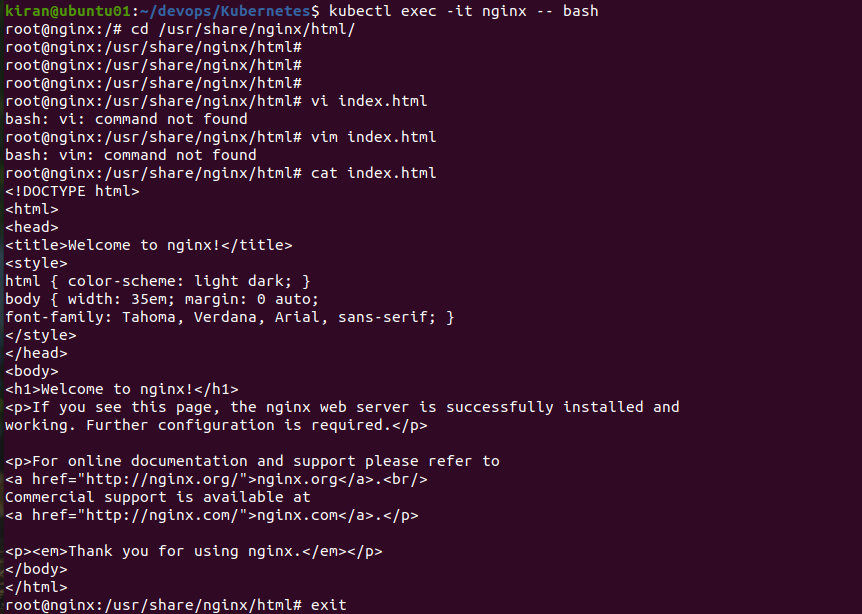
Pod Output in JSON

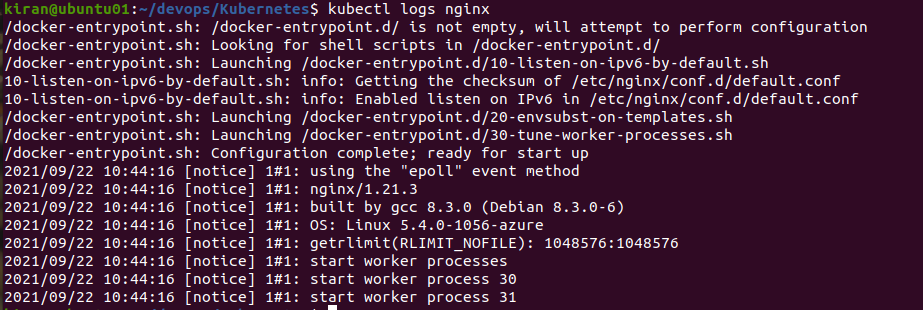


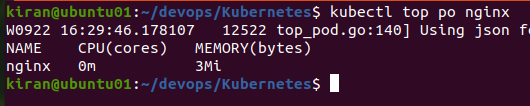


Executing Commands against Pod

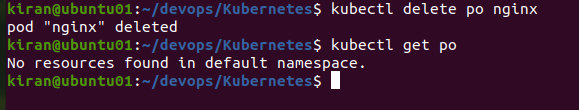






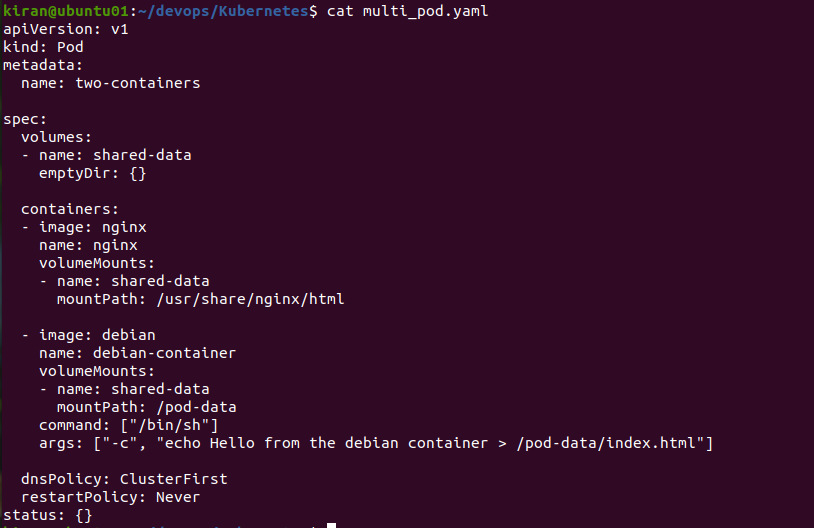


Terminating a Pod

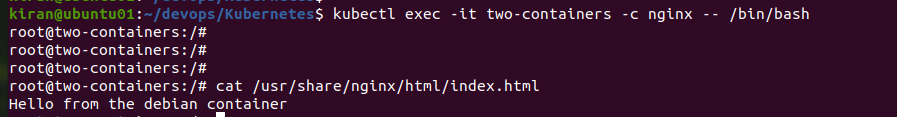


Adding a 2nd container to a Pod

Multi Containers:

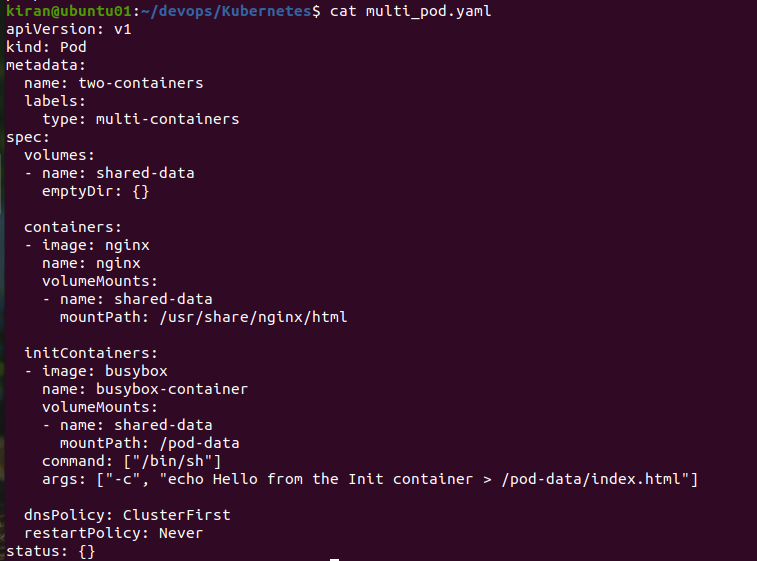




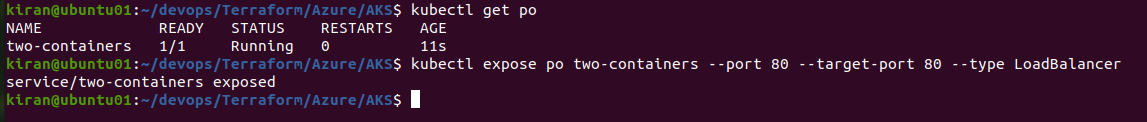


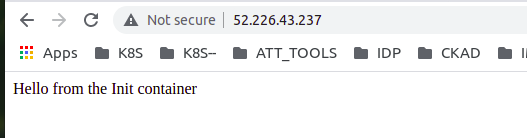


Init Containers:

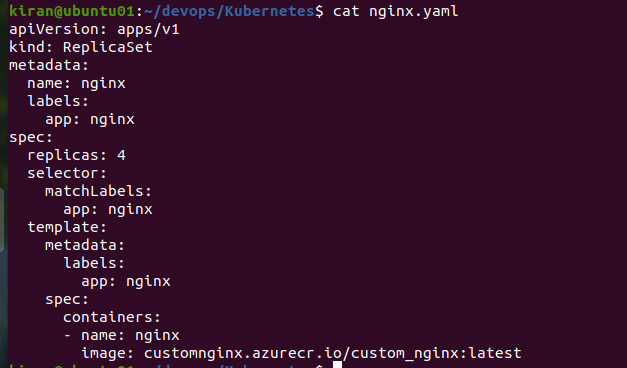


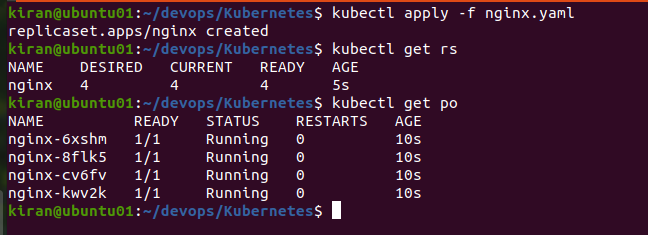






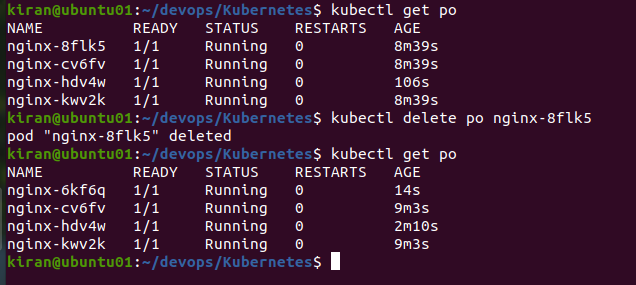
Creating Your First ReplicaSet - 4 Pods serving Nginx





Removing a Pod from ReplicaSet

Deleted a pod but ReplicaSet always maintains desired No of pods



Scaling & Autoscaling a ReplicaSet

