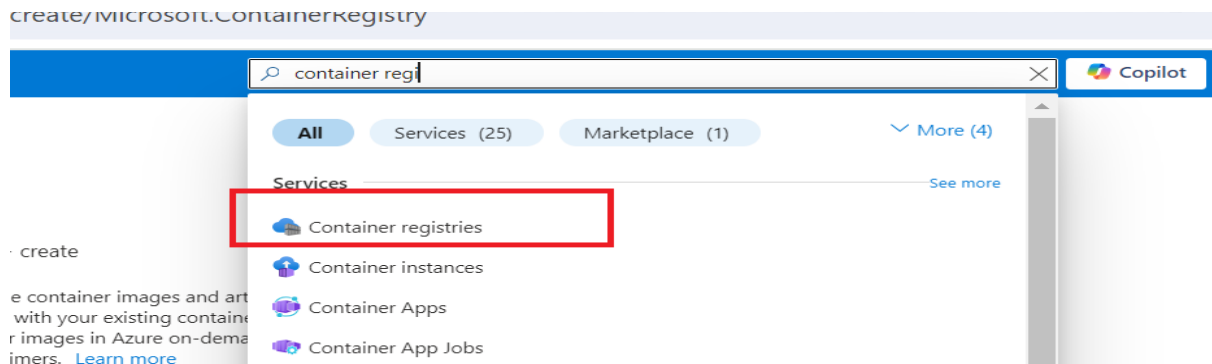


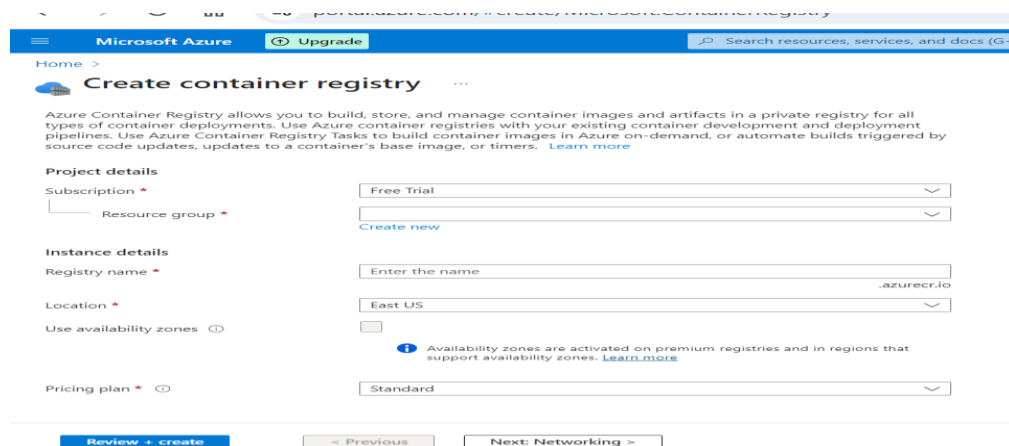
How to use ACR in AZURE for repository

Step1 : login in Azure portal (portal.azure.com) and search for “container registry”

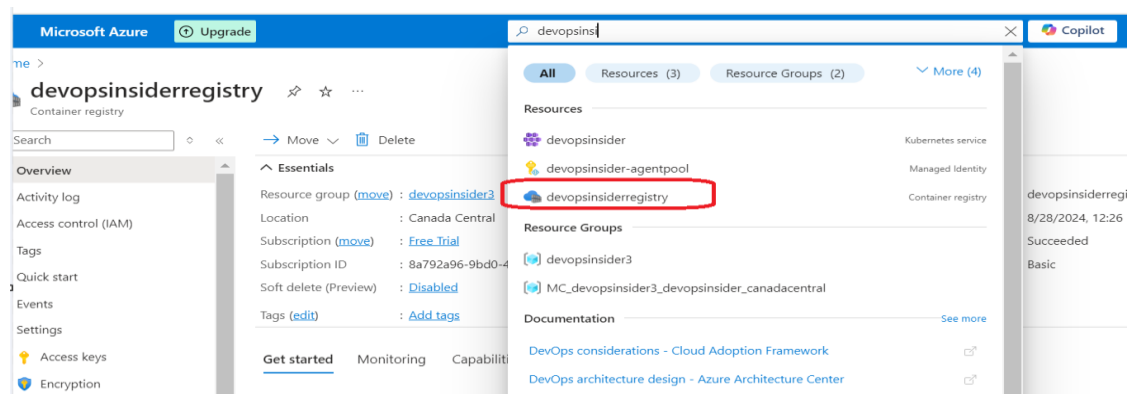


Step2 : Go inside Container Registries, and then click on to create container registry.

Put resource group, registry name and location and then click next tab to create container registry.



Step3: Once deployment done in acr registry, click on search with the created acr registry name “devopsinsiderregistry”.



Step4: Go to devopsinsiderregistry and then clicked on adminuser for publically access our image in kubernetes.

Registry name: devopsinsiderregistry

Login server: devopsinsiderregistry.azurecr.io

Admin user ^① ☒

Username: devopsinsiderregistry

Name	Password	Regenerate
password	4knzJUzGtGZarQdNjLVV6Lxmp6oGPadQZyPW5a7rhE+ACR...	
password2	VM6pFwHM7OqYRs75a15UtRIQjw3EC9XaaNZo1O7NUL+...	

Step5: Import the image from other repo (Eg: docker registry) to our acr registry:

az acr import --name <AcrRegistryName> --source
<SourceRepoimageFilePath/ImageName:tag> --image <imageName>

Eg: az acr import --name devopsinsiderregistry --source docker.io/library/nginx:latest --image nginx:v1

Step6: Now go to azure portal, search registryname in search bar “devopsinsiderregistry” and go inside the registry. Click in repository, image is present which imported in previous step.

Microsoft Azure Upgrade Search resources, services, and docs (G+)

Home > devopsinsiderregistry

devopsinsiderregistry | Repositories

Container registry

Search

Refresh Manage Deleted Repositories

Microsoft Defender for Cloud

Properties

Locks

Services

Repositories

Webhooks

Geo-replications

Tasks

New to ACR, Artifact streaming helps pull images faster from AKS clusters. The 'Artifact streaming stat

Search to filter repositories ...

Repositories ↑↓

frontend

nginx

Step7: Create service principal for resourcegroup:

```
az ad sp create-for-rbac
```

```
az ad sp create-for-rbac --name myServicePrincipalName1 --role reader --scopes  
/subscriptions/8a792a96-9bd0-41cd-bb14-cbed745e3244/resourceGroups/devopsinsider3
```

Step8: Attach this ACR registry to our cluster:

```
az aks update --name <clustername> --resource-group <Clusterresourcegroup> --attach-acr  
<ACRRegistryName>
```

```
az aks update --name devopsinsider --resource-group devopsinsider3 --attach-acr  
devopsinsiderregistry
```

Step9: Now go to ACR registry "devopsinsiderregistry" → then go to repository → click on images → copy complete image path

devopsinsiderregistry.azurecr.io/nginx:v1

Step10: Now We can use this image in our deployment, or we can use our ACR registry image in our deployment:

```
containers:  
- name: nginx  
  image: devopsinsiderregistry.azurecr.io/nginx:v1  
  ports:  
  - containerPort: 80
```

Step11: Now We can deploy nginx and pod showing in running status

```
PS C:\Users\satranja\OneDrive - Capgemini\practise\kubernetes> kubectl get pod  
NAME                                READY   STATUS    RESTARTS   AGE  
nginx-deployment20-667dd7f49f-jcnfc 1/1     Running   0           11m  
nginx-deployment20-667dd7f49f-k78t8 1/1     Running   0           11m  
PS C:\Users\satranja\OneDrive - Capgemini\practise\kubernetes> az acr import --name devopsinsiderregistry --image devopsinsiderregistry.azurecr.io/nginx:v1
```