# 1.Pre – Requisites

* User should have access to the azure Portal to access the resources.
* Resource groups (AKS) should have created based on the requirement.

# 2. Secret Key for Docker Hub

* Create the secret key for stradegi docker hub private repo

# kubectl create secret docker-registry stradegi-docker-hub-secret --docker-server=https://index.docker.io/v1/ --docker-username=stradegi001 --docker-password=\*\*\*\*\*\* --docker-email=thangachan@stradegi.com -n aks-nflows-d

* Create the docker image based on the requirement using docker file

# 3. Build and push image to Docker Hub

* Replace :<version name> with nflows version name in the below command

#docker build --no-cache -t stradegi001/tomcat:<version name> -f TomcatDockerfile .

#docker push stradegi001/tomcat:nflows4.2.45

# 4. Azure Portal Login

* Login to the Azure via power shell using the below command

#az login



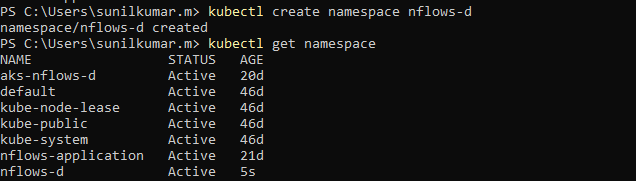
# 4. Namespace Creation

* Create the namespace using the below command

# kubectl create namespace <namespace name>

* To list the available namespace

# Kubectl get namespace



# 5. Create configmap for particular namespace

* Configmap should be created to handle the environment variables
* Replace <namespace name> with namespace name and <config name> with configmap name in below command

#Kubectl -n <namespace name> create configmap <config name> --from-env-file=.\configMapper.conf

* To list the configmap for particular namespace

#kubectl -n <namespace name> get configmap



# 6. Create the Service using service Yaml file

* Replace the <namespace name> with namespace name and <service.yaml> with service yaml file name

#Kubectl -n <namespace name> apply -f .\<service.yaml>

* To check the service is created in particular namespace

# kubectl -n <namespace name> get svc

# 7. Create nflows application Pod using Deployment Yaml file

* Replace the <namespace name> with namespace name and <service.yaml> with deployment yaml file name

#Kubectl -n <namespace name> apply -f .\<deployment.yaml>

* To check the pod is created in particular namespace

# kubectl -n <namespace name> get pods