1.install azure cli using below command.

curl -sL <https://aka.ms/InstallAzureCLIDeb> | sudo bash  
 az aks install-cli  
2.login azure account with az cli  
  
 az login

3.connect the new AKS cluster using below command.

root@AZ-INGRAM-AUS-AKS-VM-01:/home/smartenspaces# az aks get-credentials --resource-group Resource-group-name --name cluster-name  
Merged "aksaustralia" as current context in /root/.kube/config

4.check the nodes using kubectl command.

root@AZ-INGRAM-AUS-AKS-VM-01:/home/smartenspaces# kubectl get nodes  
NAME                                STATUS   ROLES   AGE     VERSION  
aks-agentpool-31825356-vmss000000   Ready    agent   7m14s   v1.19.3  
aks-agentpool-31825356-vmss000001   Ready    agent   7m20s   v1.19.3  
aks-agentpool-31825356-vmss000002   Ready    agent   7m10s   v1.19.3  
virtual-node-aci-linux              Ready    agent   6m45s   v1.18.4-vk-azure-aci-v1.3.1

5.Create NameSpace

Namespace: Kubernetes supports multiple virtual clusters backed by the same physical cluster. These virtual clusters are called namespaces  
  
Command:  
kubectl create namespace <name>

Ex: kubectl create namespace devops

6.create a secret for pull images from private docker hub.   
  
kubectl create secret docker-registry <secreat-name> \  
  --namespace devops \  
  --docker-username=DockerHubUserName \  
  --docker-password=Password \  
  --docker-email=Email-ID

7.install the Helm package

curl <https://raw.githubusercontent.com/helm/helm/master/scripts/get-helm-3> | bash

8.Install the Nginx Ingree Controler using helm package  
  
helm repo add ingress-nginx <https://kubernetes.github.io/ingress-nginx>  
  
  
helm install nginx-ingress ingress-nginx/ingress-nginx \  
    --namespace devops \  
    --set controller.replicaCount=2 \  
    --set controller.nodeSelector."beta\.kubernetes\.io/os"=linux \  
    --set defaultBackend.nodeSelector."beta\.kubernetes\.io/os"=linux \  
    --set controller.admissionWebhooks.patch.nodeSelector."beta\.kubernetes\.io/os"=linux

9.Check the Naginx Ingree controller service and External IP.  
  
kubectl --namespace devops get services -o wide -w nginx-ingress-ingress-nginx-controller

Example:  
  
root@AZ-INGRAM-AUS-AKS-VM-01:/home/smartenspaces# kubectl --namespace ssdevcloud get services -o wide -w nginx-ingress-ingress-nginx-controller  
NAME                                     TYPE           CLUSTER-IP     EXTERNAL-IP     PORT(S)                      AGE   SELECTOR  
nginx-ingress-ingress-nginx-controller   LoadBalancer   10.0.237.233   20.193.29.193   80:30379/TCP,443:32153/TCP   32s   [app.kubernetes.io/component=controller,app.kubernetes.io/instance=nginx-ingress,app.kubernetes.io/name=ingress-nginx](http://app.kubernetes.io/component=controller,app.kubernetes.io/instance=nginx-ingress,app.kubernetes.io/name=ingress-nginx)  
  
  
EXTERNAL-IP - 20.193.29.193

10.Secret for TLS certificates.  
  
kubectl create secret tls name\  
  --cert=/opt/text.crt \  
  --key=/opt/text.key \  
  --namespace=devops