

## Lab 09c Implement Azure Kubernetes Service Student lab manual

```
Bash
lyubomir [ ~ ]$ kubectl scale --replicas=2 deployment/nginx-deployment
deployment.apps/nginx-deployment scaled
lyubomir [ ~ ]$ kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
nginx-deployment-85c6d5f6dd-lkmgmt  1/1     Running   0           5s
nginx-deployment-85c6d5f6dd-q2sp2    1/1     Running   0          19m
lyubomir [ ~ ]$ RESOURCE_GROUP='az104-09c-rg1'

AKS_CLUSTER='az104-9c-aks1'

az aks scale --resource-group $RESOURCE_GROUP --name $AKS_CLUSTER --node-count 2
{
  "aadProfile": null,
  "addonProfiles": {
    "azureKeyvaultSecretsProvider": {
      "config": null,
      "enabled": false,
      "identity": null
    },
    "azurepolicy": {
      "config": null,
      "enabled": false,
      "identity": null
    }
  },
  "agentPoolProfiles": [
    {
      "availabilityZones": null,
      "count": 2,
      "creationData": null,
      "currentOrchestratorVersion": "1.24.10",
      "enableAutoScaling": false,
      "enableEncryptionAtHost": null,
      "enableFips": false,
      "enableNodePublicIP": false,
    }
  ]
}

lyubomir [ ~ ]$ kubectl get nodes
NAME                                STATUS   ROLES    AGE   VERSION
aks-agentpool-41820264-vmss000000  Ready   agent    41m   v1.24.10
aks-agentpool-41820264-vmss000001  Ready   agent    3m38s v1.24.10
lyubomir [ ~ ]$ kubectl scale --replicas=10 deployment/nginx-deployment
deployment.apps/nginx-deployment scaled
lyubomir [ ~ ]$ kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
nginx-deployment-85c6d5f6dd-5nhl4    1/1     Running   0           6s
nginx-deployment-85c6d5f6dd-cnbgp    0/1     ContainerCreating   0           6s
nginx-deployment-85c6d5f6dd-f555c    1/1     Running   0           6s
nginx-deployment-85c6d5f6dd-lkmgmt    1/1     Running   0          6m54s
nginx-deployment-85c6d5f6dd-n59xx    1/1     Running   0           6s
nginx-deployment-85c6d5f6dd-q2sp2    1/1     Running   0          26m
nginx-deployment-85c6d5f6dd-scxbv    1/1     Running   0           6s
nginx-deployment-85c6d5f6dd-srrcf    1/1     Running   0           6s
nginx-deployment-85c6d5f6dd-xhdlv    1/1     Running   0           6s
nginx-deployment-85c6d5f6dd-xk245    0/1     ContainerCreating   0           6s
lyubomir [ ~ ]$ kubectl get pod -o=custom-columns=NODE:.spec.nodeName,POD:.metadata.name
NODE                                POD
aks-agentpool-41820264-vmss000001  nginx-deployment-85c6d5f6dd-5nhl4
aks-agentpool-41820264-vmss000001  nginx-deployment-85c6d5f6dd-cnbgp
aks-agentpool-41820264-vmss000000  nginx-deployment-85c6d5f6dd-f555c
aks-agentpool-41820264-vmss000000  nginx-deployment-85c6d5f6dd-lkmgmt
aks-agentpool-41820264-vmss000001  nginx-deployment-85c6d5f6dd-n59xx
aks-agentpool-41820264-vmss000000  nginx-deployment-85c6d5f6dd-q2sp2
aks-agentpool-41820264-vmss000000  nginx-deployment-85c6d5f6dd-scxbv
aks-agentpool-41820264-vmss000001  nginx-deployment-85c6d5f6dd-srrcf
aks-agentpool-41820264-vmss000000  nginx-deployment-85c6d5f6dd-xhdlv
aks-agentpool-41820264-vmss000001  nginx-deployment-85c6d5f6dd-xk245
lyubomir [ ~ ]$ kubectl delete deployment nginx-deployment
deployment.apps "nginx-deployment" deleted
lyubomir [ ~ ]$
```