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portal.azure.com/#@simpilllearnhol100569.onmicrosoft.com/resource/subscriptions/9a09f7e-6ae4-4c77-8b7a-e65e01eb35d4/resourceGroups/RG011/providers/Microsoft...

Microsoft Azure

Switch to PowerShell Restart Manage files New session Editor Web preview Settings Help

Requesting a Cloud Shell.Succeeded.
Connecting terminal...

Your Cloud Shell session will be ephemeral so no files or system changes will persist beyond your current session.
odl_user [ ~ ]$ az aks get-credentials --resource-group RG011 --name MyAKSCluster --overwrite-existing
Merged "MyAKSCluster" as current context in /home/odl_user/.kube/config
odl_user [ ~ ]$ az aks show --resource-group RG011 --name MyAKSCluster --output table
Name Location ResourceGroup KubernetesVersion CurrentKubernetesVersion ProvisioningState Fqdn
-----
MyAKSCluster eastus RG011 1.32 1.32.5 Succeeded myaksclust-rg011-9a09f7e-2p18fwce.hcp.eastus.azmk8s.io
odl_user [ ~ ]$
```

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Microsoft Azure

Home > Kubernetes services > MyAKSCluster

Kubernetes services

SimpleLearn HOL 100569

+ Create Manage view

You are viewing a new version of Browse experience. Click here to access the old experience.

Name 1

MyAKSCluster

MyAKSCluster

Overview

Activity log

Access control (IAM)

Tags

Monitor

Diagnose and solve problems

Microsoft Defender for Cloud (preview)

Cost analysis

Resource visualizer

Kubernetes resources

Settings

Monitoring

Automation

Help

Get started Properties Monitoring Recommendations

Essentials

Resource group : RG011

Power state : Running

Cluster operation status : Creating

Subscription : SimpleLearn HOL 100569

Location : East US

Subscription ID : 9a09f7e-6ae4-4c77-8b7a-e65e01eb35d4

Fleet Manager : Click here to assign

Tags (edit) : Add tags

Kubernetes services

Encryption type : Encryption at-rest with a platform-managed key

Virtual node pools : Not enabled

Node pools

Node pools : 1 node pool

Kubernetes versions : 1.32.5

Node sizes : Standard_B2s

Networking

API server address : myaksclust-rg011-9a09f7e-2p18fwce.hcp.eastus.azmk8s.io

Network configuration : Azure CNI Overlay

Pod CIDR : 10.244.0.0/16

Service CIDR : 10.0.0.0/16

DNS service IP : 10.0.0.10

Cilium dataplane : Not enabled

Network Policy : None

```
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odl_user [ ~ ]$ kubectl create deployment hello-aks --image=k8s.gcr.io/echoserver:1.10
deployment.apps/hello-aks created
odl_user [ ~ ]$ kubectl expose deployment hello-aks --type=LoadBalancer --port=80 --target-port=8880
service/hello-aks exposed
odl_user [ ~ ]$ kubectl get service hello-aks
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
hello-aks LoadBalancer 10.0.226.155 20.75.225.48 80:32032/TCP 27s
odl_user [ ~ ]$
```

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portal.azure.com/#create/MicrosoftAKS

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

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Welcome to Azure Cloud Shell

Type "az" to use Azure CLI
Type "help" to learn about Cloud Shell

Your Cloud Shell session will be ephemeral so no files or system changes will persist beyond your current session.

odl_user ~ ~$ nano nginx-deployment.yaml
odl_user ~ ~$ kubectl apply -f nginx-deployment.yaml
error: error validating "nginx-deployment.yaml": error validating data: failed to download openapi: the server has asked for the client to provide credentials; if you choose to ignore these errors, turn validation off with --validate=false
odl_user ~ ~$ az aks get-credentials --resource-group RG011 --name MyAKSCluster
Merged "MyAKSCluster" as current context in /home/odl_user/.kube/config
odl_user ~ ~$ kubectl get nodes
NAME                                STATUS  ROLES  AGE  VERSION
aks-nodepool1-26971570-vms000000  Ready  <none>  16m  v1.32.5
odl_user ~ ~$ kubectl apply -f nginx-deployment.yaml
deployment.apps/nginx-deploy created
odl_user ~ ~$ kubectl get deployments
NAME    READY  UP-TO-DATE  AVAILABLE  AGE
hello-aks  1/1    1            1          13m
nginx-deploy  2/2    2            2          34s
odl_user ~ ~$ kubectl get pods
NAME                                READY  STATUS  RESTARTS  AGE
hello-aks-5f689f8f4-tgtmq           1/1    Running  0          14m
nginx-deploy-86c57bc6b8-cqk9p       1/1    Running  0          45s
nginx-deploy-86c57bc6b8-sptrq       1/1    Running  0          45s
odl_user ~ ~$
```

```
20.75.225.48

Not secure 20.75.225.48

Hostname: hello-aks-5f689f8f4-tgtmq
Pod Information:
  -no pod information available-
Server values:
  server_version=nginx: 1.13.3 - lua: 10008
Request Information:
  client_address=10.224.0.4
  method=GET
  real path=/
  query=
  request_version=1.1
  request_scheme=http
  request_uri=http://20.75.225.48:8080/
Request Headers:
  accept=text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7
  accept-encoding=gzip, deflate
  accept-language=en-US,en;q=0.9,hi;q=0.8,mr;q=0.7
  connection=keep-alive
  host=20.75.225.48
  upgrade-insecure-requests=1
  user-agent=Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/138.0.0.0 Safari/537.36
Request Body:
  -no body in request-
```



