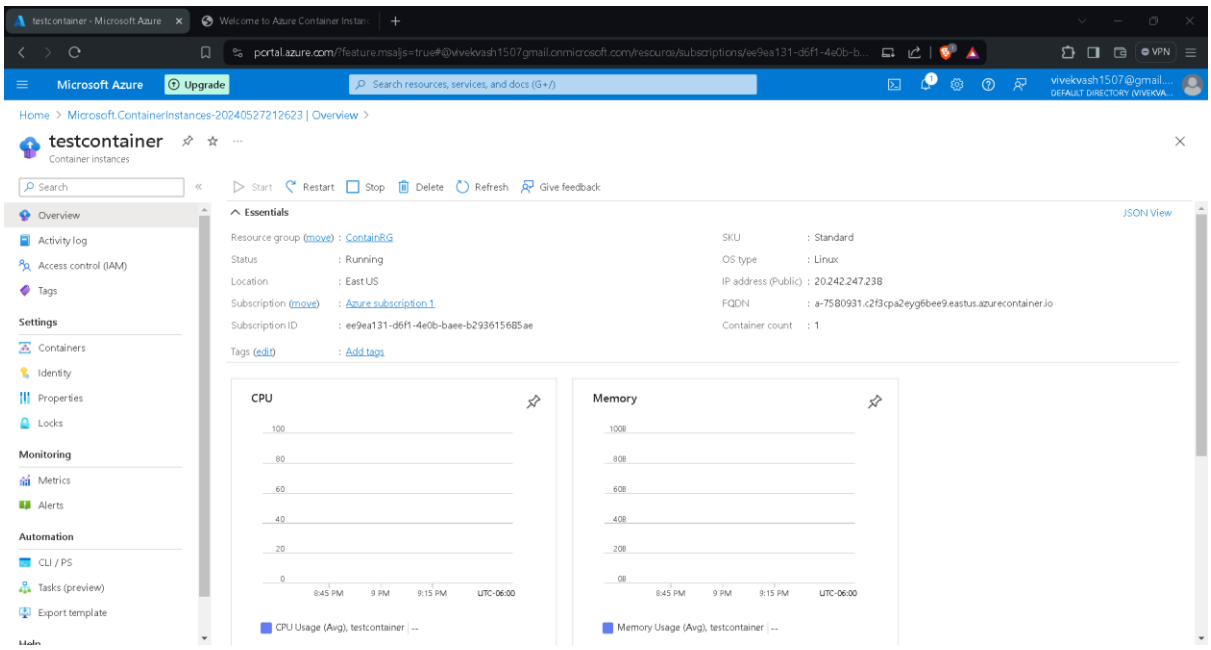
Lab: Azure Containers

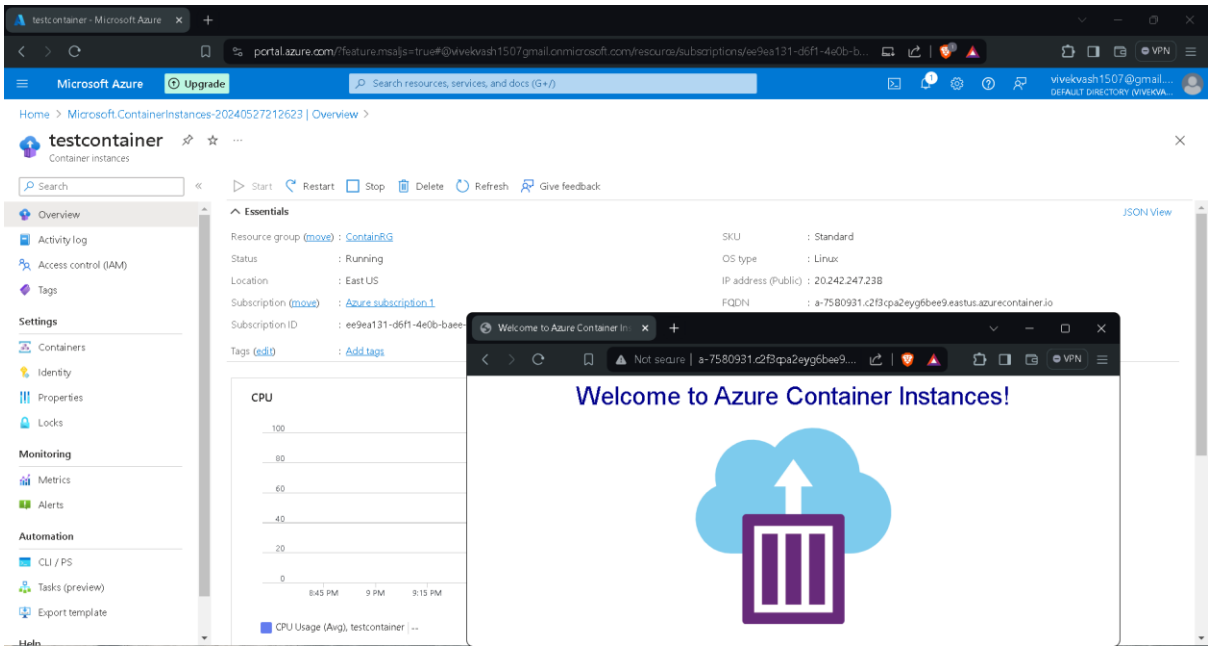
Student Name: Vivek Vashisht

Student ID: 000907246

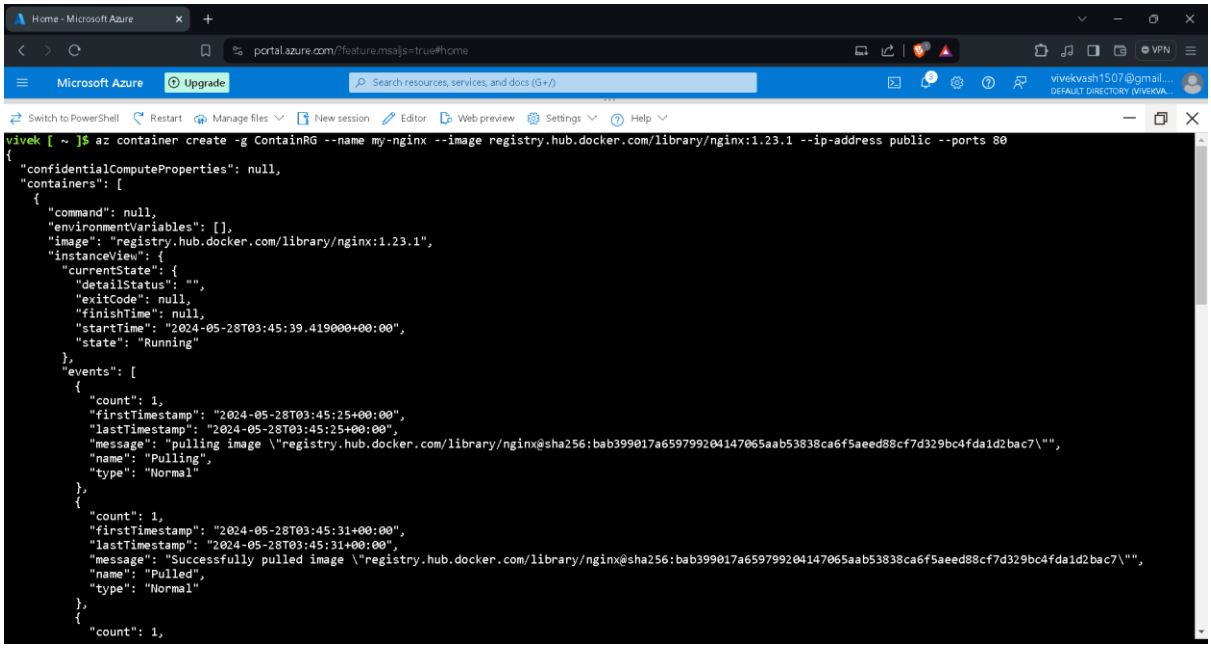
Screenshots

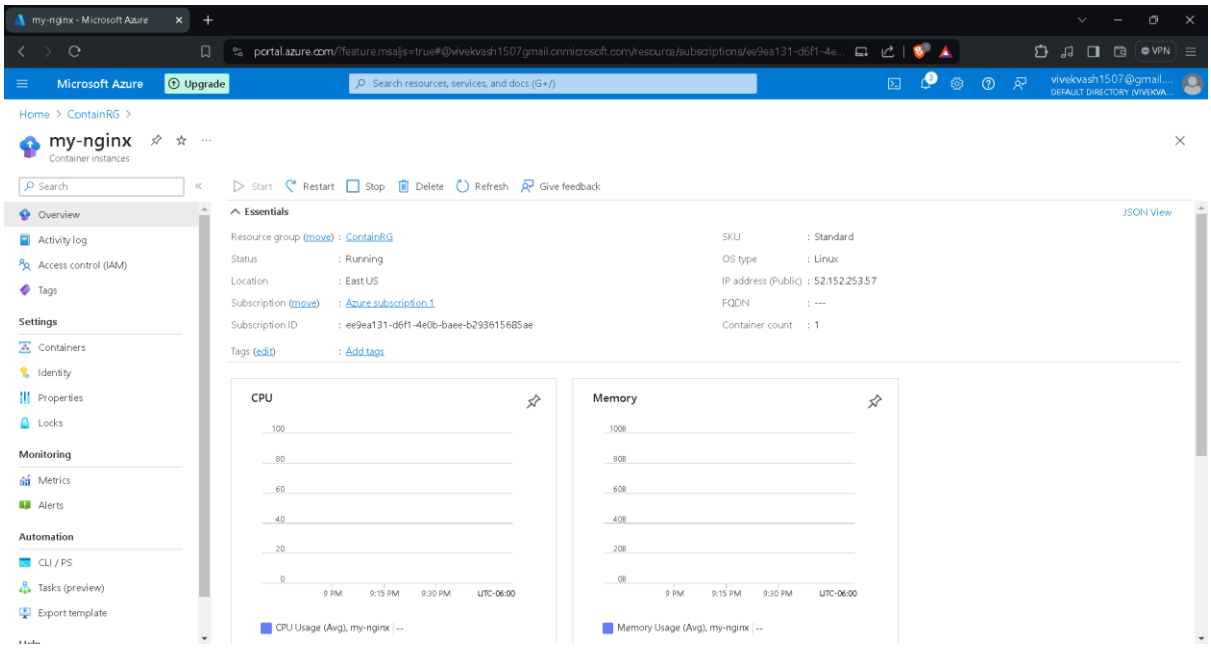
- Browser Window with FQDN, running Hello-World container

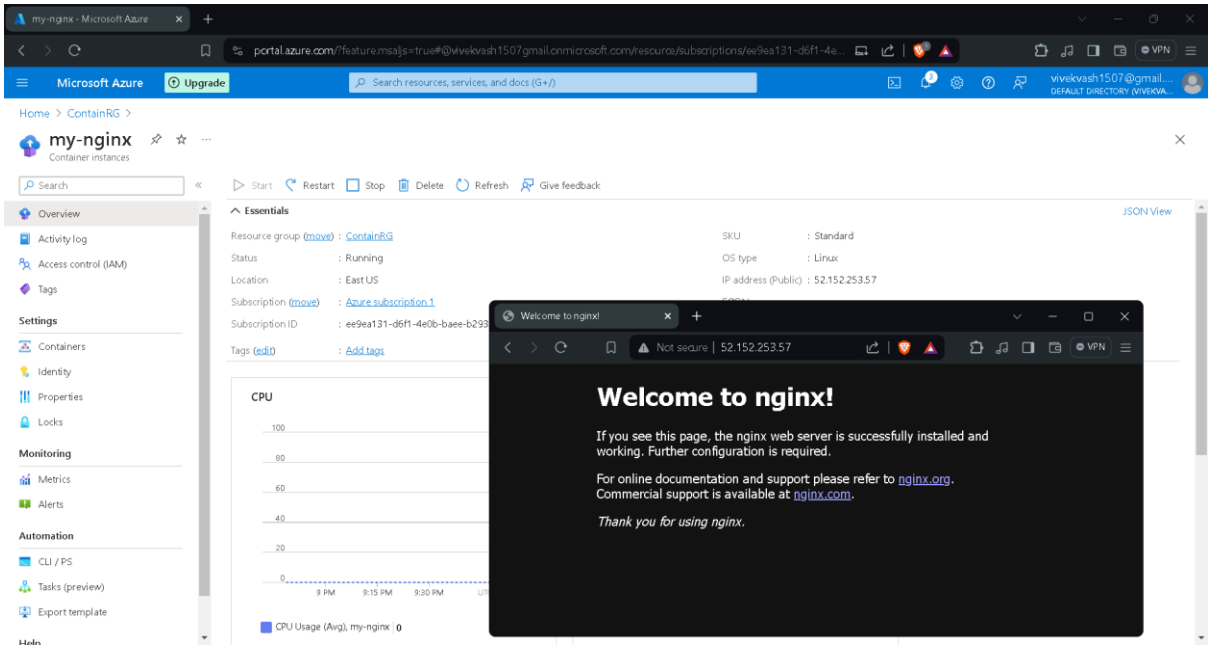




- Browser Window with IP Address, running NGINX container




my-nginx - Microsoft Azure
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Home > ContainRG >
my-nginx
Container instances
Start
Restart
Stop
Delete
Refresh
Give feedback
Overview
Activity log
Access control (IAM)
Tags
Settings
Containers
Identity
Properties
Locks
Monitoring
Metrics
Alerts
Automation
CLI / PS
Tasks (preview)
Export template
Essentials
JSON View
Resource group (move) : ContainRG
Status : Running
Location : East US
Subscription (move) : Azure subscription 1
Subscription ID : ee9ea131-d6f1-4e0b-baee-b293615685ae
Tags (edit) : Add tags
SKU : Standard
OS type : Linux
IP address (Public) : 52.152.253.57
FQDN : ---
Container count : 1
CPU
Memory
CPU Usage (Avg), my-nginx
Memory Usage (Avg), my-nginx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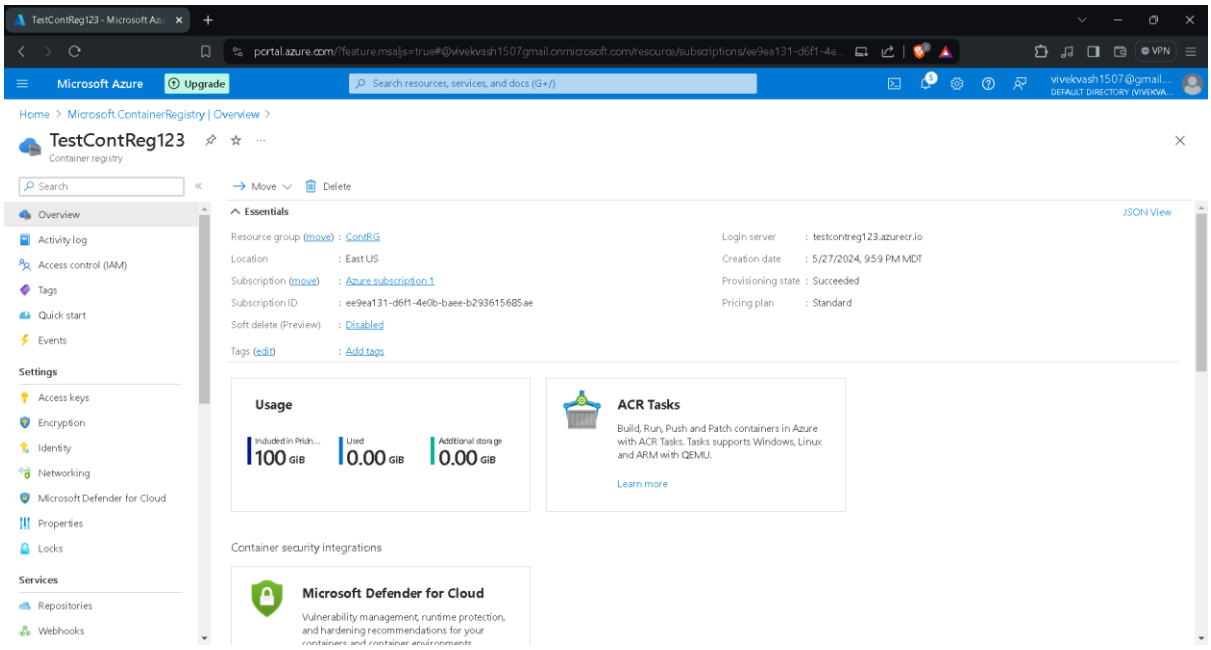
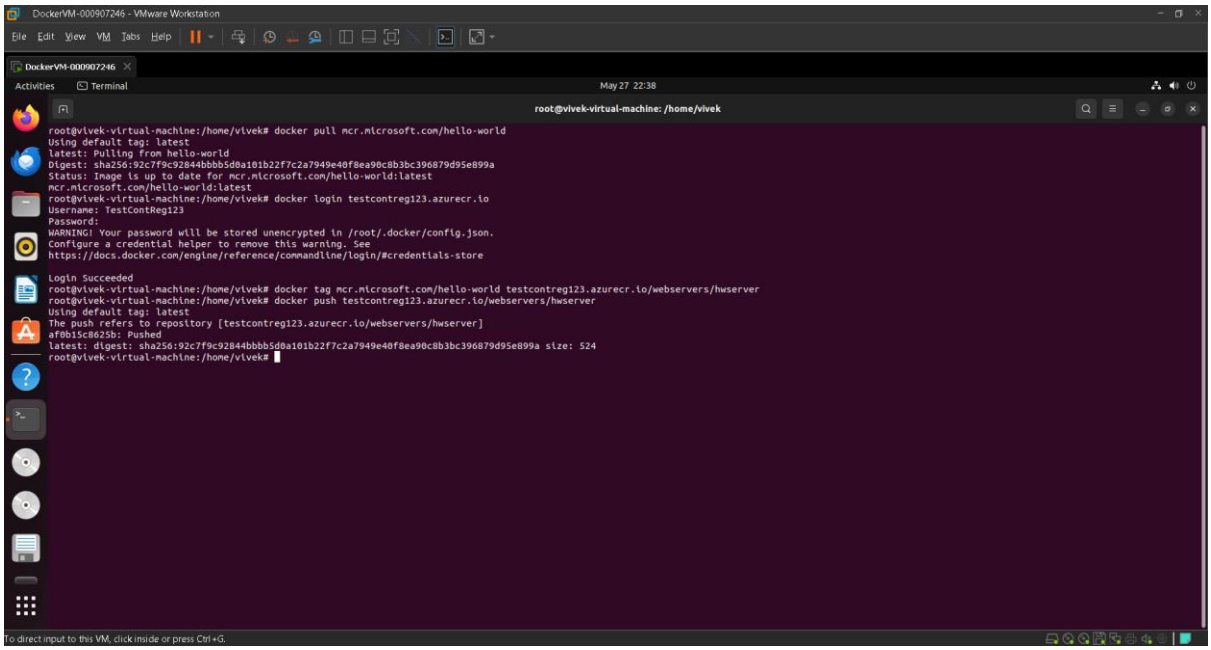
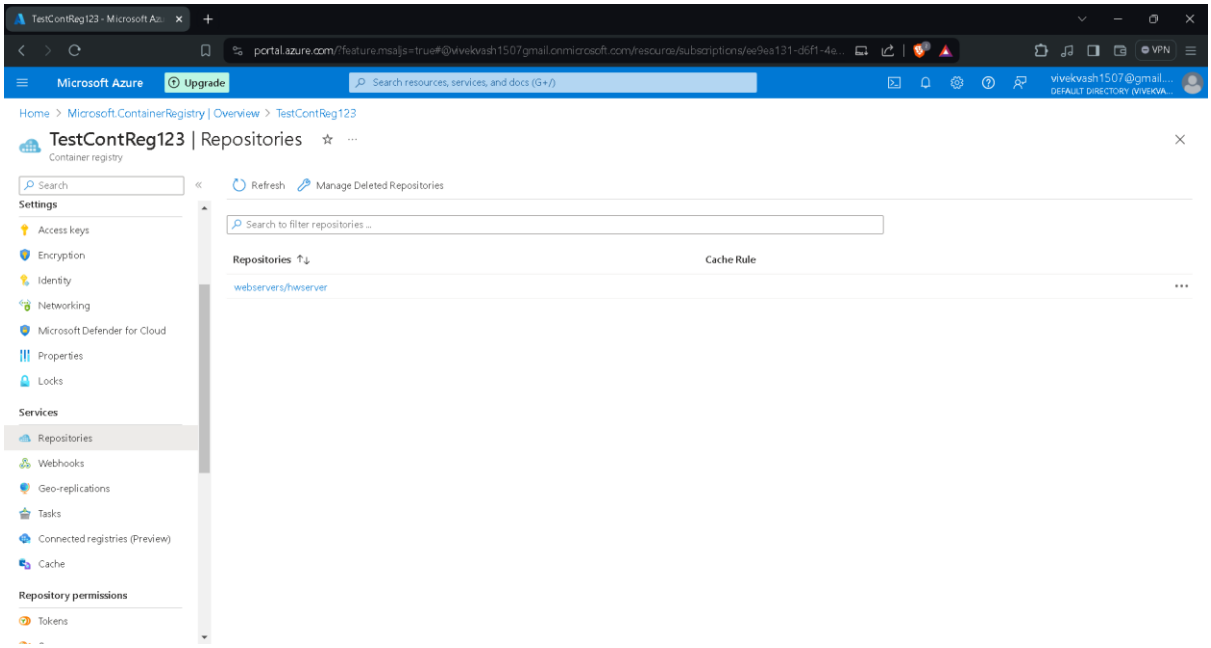
Tags (edit) : Add tags
SKU : Standard
OS type : Linux
IP address (Public) : 52.152.253.57
CPU
CPU Usage (Avg), my-nginx
Welcome to nginx!
Not secure | 52.152.253.57
Welcome to nginx!
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.
For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.
Thank you for using nginx.

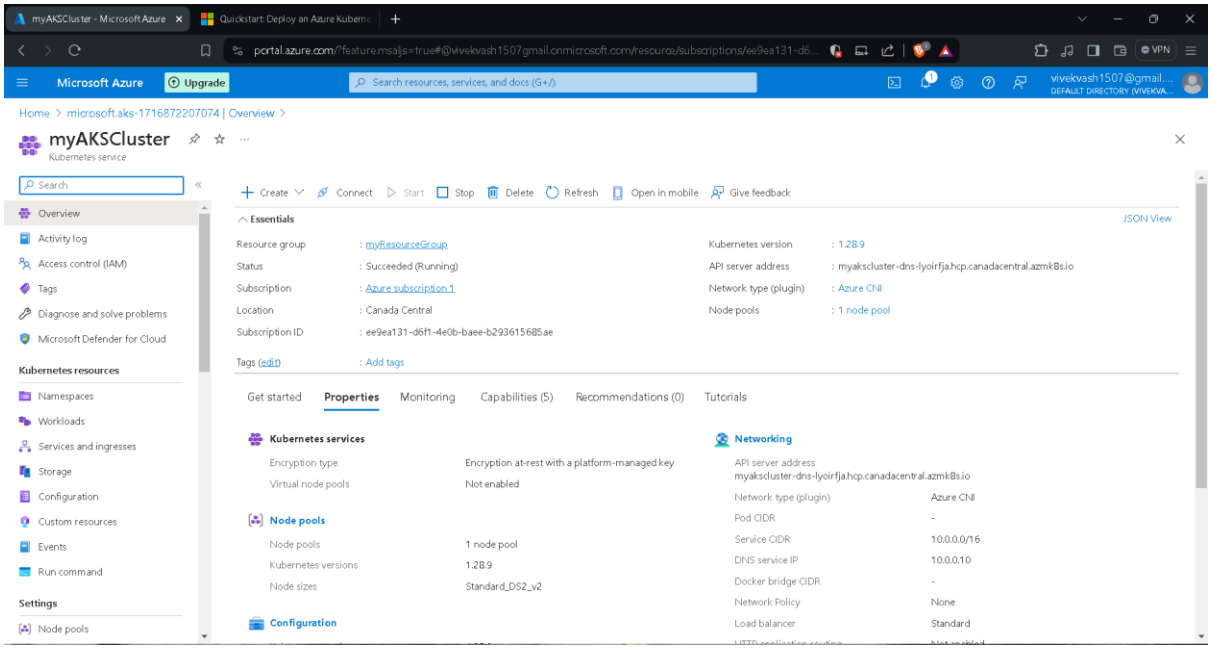
- Container Registry and Repository with pushed container

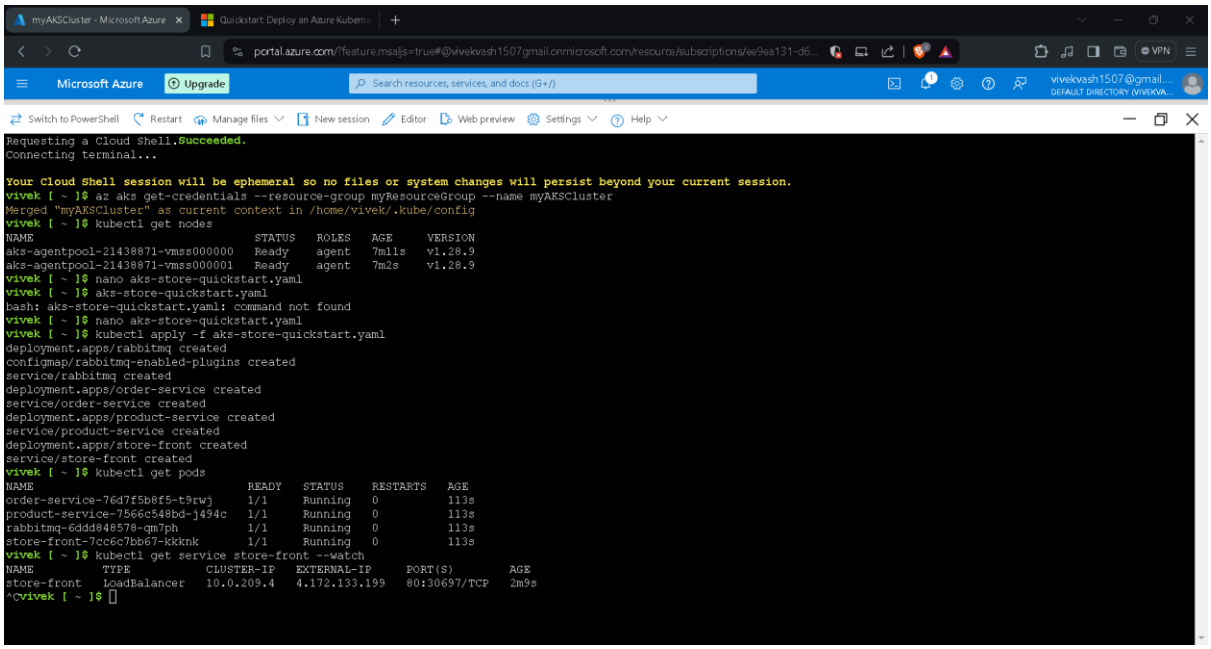


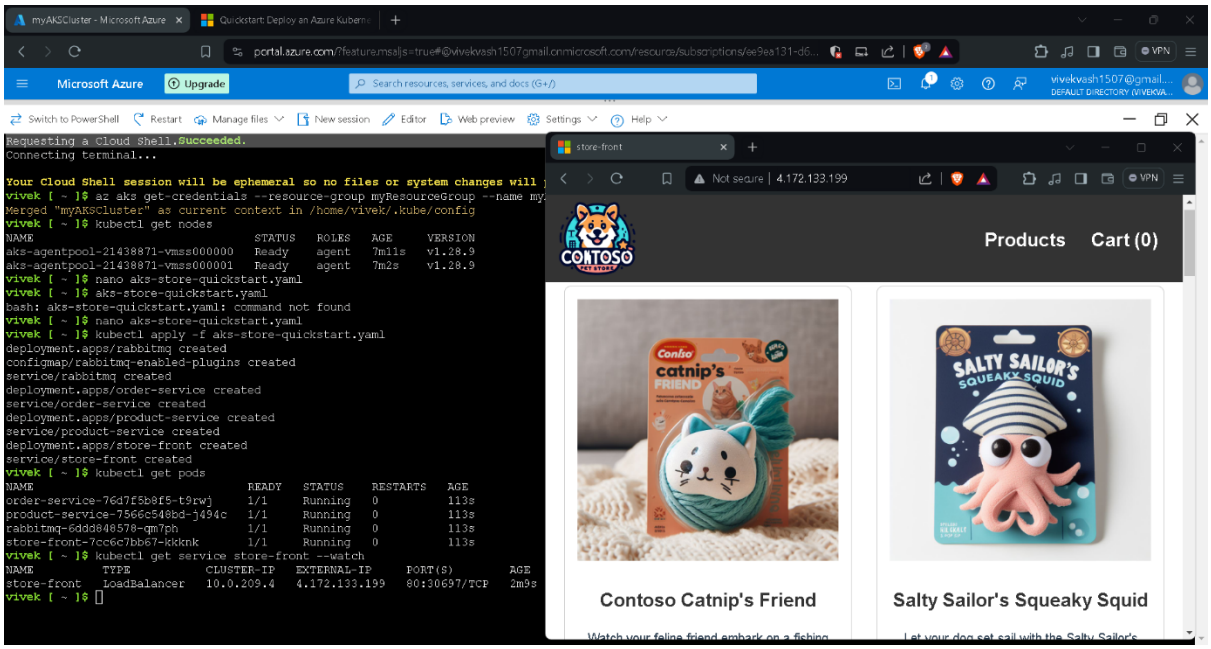




- Browser with cluster voting app




myAKSCluster - Microsoft Azure
Quickstart: Deploy an Azure Kubern
portal.azure.com/?feature.msaljs=true#@vivekvash1507gmail.onmicrosoft.com/resource/subscriptions/ee9ea131-d6...
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
vivekvash1507@gmail....
DEFAULT DIRECTORY (VIVEKVA...
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.
vivek [~]$ az aks get-credentials --resource-group myResourceGroup --name myAKSCluster
Merged "myAKSCluster" as current context in /home/vivek/.kube/config
vivek [~]$ kubectl get nodes
NAME STATUS ROLES AGE VERSION
aks-agentpool-21438871-vmss000000 Ready agent 7m11s v1.28.9
aks-agentpool-21438871-vmss000001 Ready agent 7m2s v1.28.9
vivek [~]$ nano aks-store-quickstart.yaml
vivek [~]$ aks-store-quickstart.yaml
bash: aks-store-quickstart.yaml: command not found
vivek [~]$ nano aks-store-quickstart.yaml
vivek [~]$ kubectl apply -f aks-store-quickstart.yaml
deployment.apps/rabbitmq created
configmap/rabbitmq-enabled-plugins created
service/rabbitmq created
deployment.apps/order-service created
service/order-service created
deployment.apps/product-service created
service/product-service created
deployment.apps/store-front created
service/store-front created
vivek [~]$ kubectl get pods
NAME READY STATUS RESTARTS AGE
order-service-76d7f5b8f5-t9rwj 1/1 Running 0 113s
product-service-7566c548bd-j494c 1/1 Running 0 113s
rabbitmq-6ddd848578-qm7ph 1/1 Running 0 113s
store-front-7cc6c7bb67-kkknk 1/1 Running 0 113s
vivek [~]$ kubectl get service store-front --watch
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
store-front LoadBalancer 10.0.209.4 4.172.133.199 80:30697/TCP 2m9s
^Cvivek [~]$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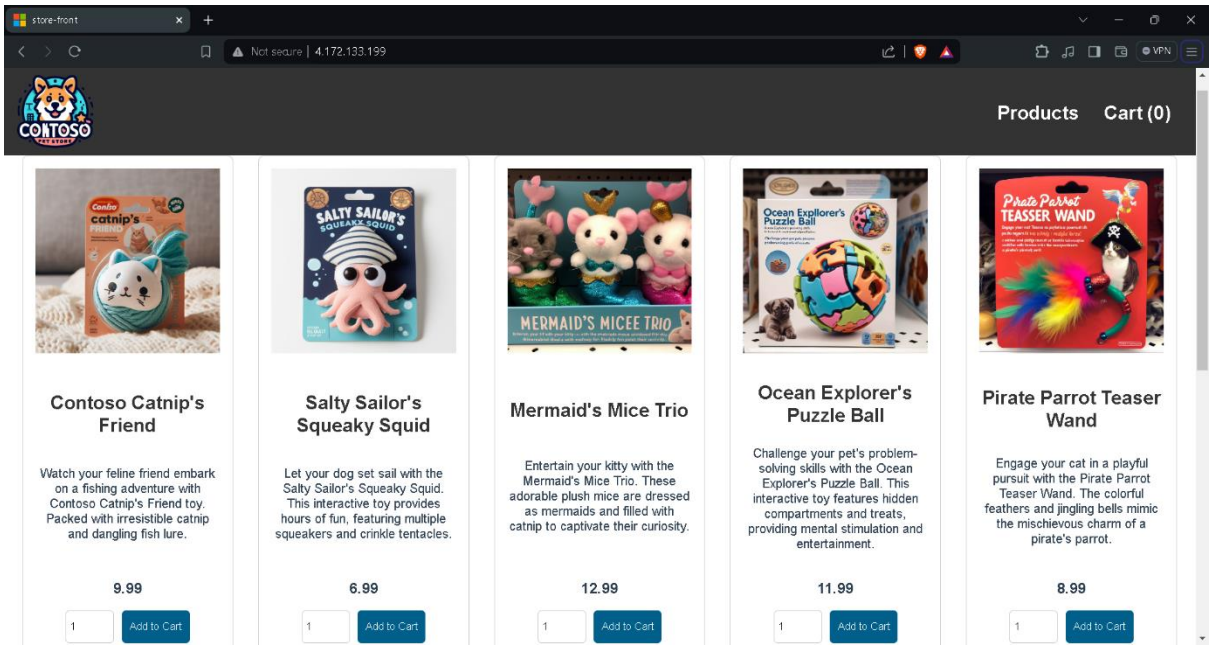
vivek [~]$
store-front
Not secure | 4.172.133.199
CONTOSO
Products
Cart (0)
Contoso
catnip's
FRIEND
SALTY SAILOR'S
SQUEAKY SQUID
Contoso Catnip's Friend
Salty Sailor's Squeaky Squid


store-front
Not secure | 4.172.133.199
VPN
CONTOSO
Products
Cart (0)
Contoso Catnip's Friend
Watch your feline friend embark on a fishing adventure with Contoso Catnip's Friend toy. Packed with irresistible catnip and dangling fish lure.
9.99
1
Add to Cart
Salty Sailor's Squeaky Squid
Let your dog set sail with the Salty Sailor's Squeaky Squid. This interactive toy provides hours of fun, featuring multiple squeakers and crinkle tentacles.
6.99
1
Add to Cart
Mermaid's Mice Trio
Entertain your kitty with the Mermaid's Mice Trio. These adorable plush mice are dressed as mermaids and filled with catnip to captivate their curiosity.
12.99
1
Add to Cart
Ocean Explorer's Puzzle Ball
Challenge your pet's problem-solving skills with the Ocean Explorer's Puzzle Ball. This interactive toy features hidden compartments and treats, providing mental stimulation and entertainment.
11.99
1
Add to Cart
Pirate Parrot Teaser Wand
Engage your cat in a playful pursuit with the Pirate Parrot Teaser Wand. The colorful feathers and jingling bells mimic the mischievous charm of a pirate's parrot.
8.99
1
Add to Cart