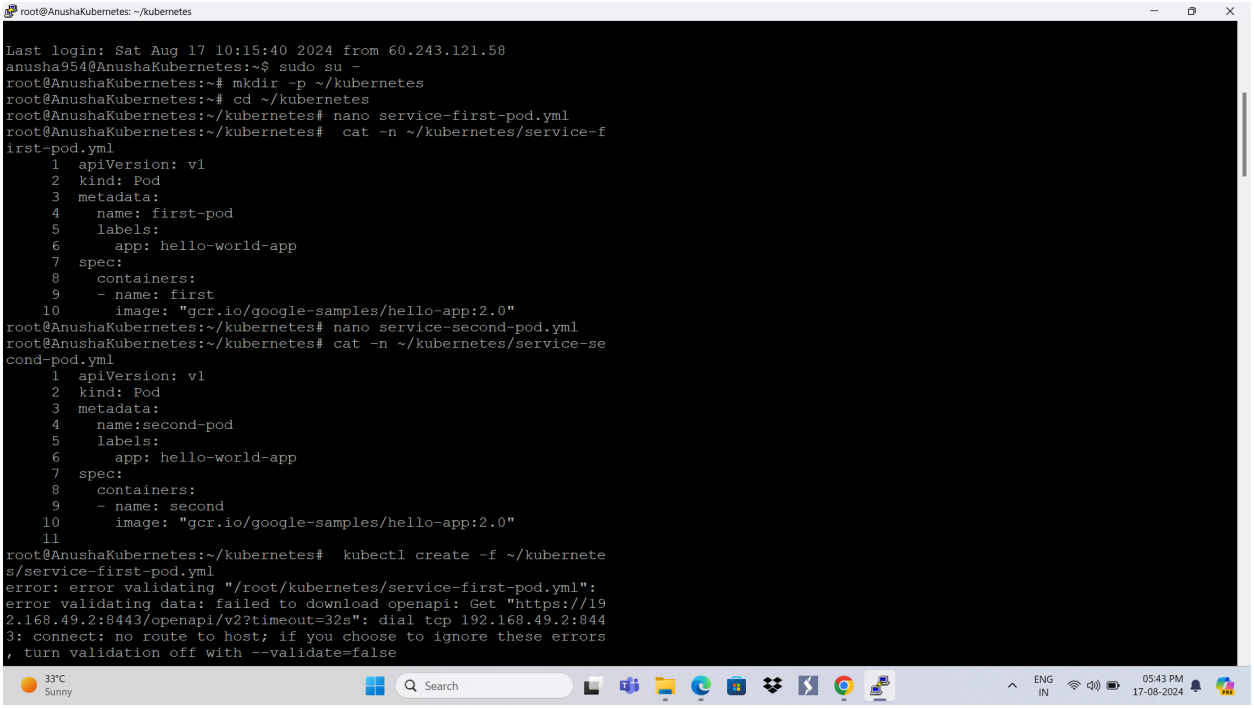
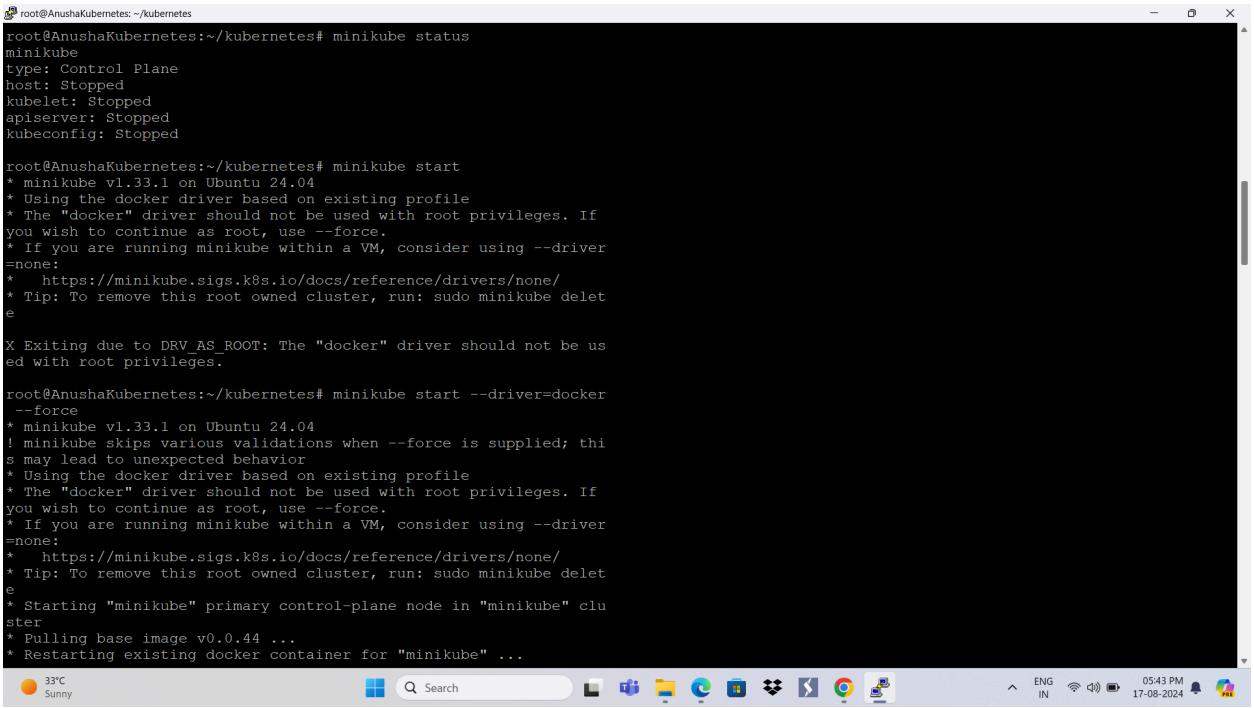
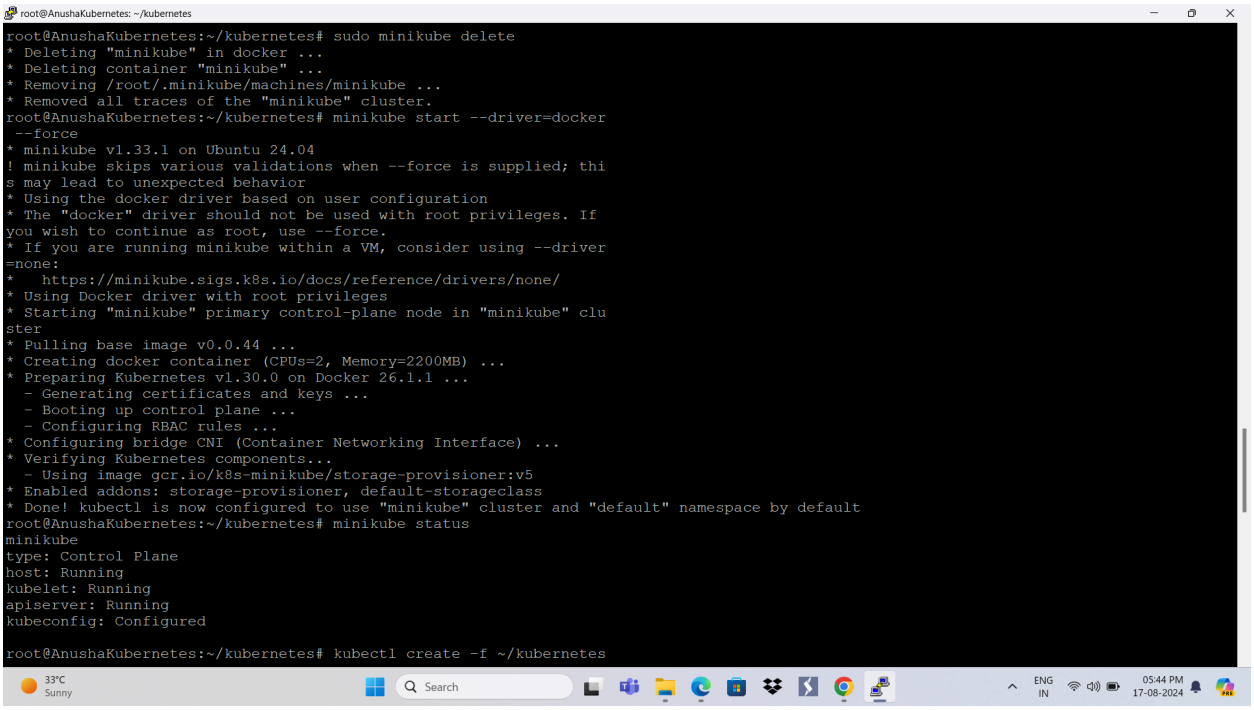
Lab: Exposing Applications using ClusterIP Services






root@AnushaKubernetes: ~/kubernetes
root@AnushaKubernetes:~/kubernetes# sudo minikube delete
* Deleting "minikube" in docker ...
* Deleting container "minikube" ...
* Removing /root/.minikube/machines/minikube ...
* Removed all traces of the "minikube" cluster.
root@AnushaKubernetes:~/kubernetes# minikube start --driver=docker
--force
* minikube v1.33.1 on Ubuntu 24.04
! minikube skips various validations when --force is supplied; thi
s may lead to unexpected behavior
* Using the docker driver based on user configuration
* The "docker" driver should not be used with root privileges. If
you wish to continue as root, use --force.
* If you are running minikube within a VM, consider using --driver
=none:
* https://minikube.sigs.k8s.io/docs/reference/drivers/none/
* Using Docker driver with root privileges
* Starting "minikube" primary control-plane node in "minikube" clu
ster
* Pulling base image v0.0.44 ...
* Creating docker container (CPUs=2, Memory=2200MB) ...
* Preparing Kubernetes v1.30.0 on Docker 26.1.1 ...
- Generating certificates and keys ...
- Booting up control plane ...
- Configuring RBAC rules ...
* Configuring bridge CNI (Container Networking Interface) ...
* Verifying Kubernetes components...
- Using image gcr.io/k8s-minikube/storage-provisioner:v5
* Enabled addons: storage-provisioner, default-storageclass
* Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
root@AnushaKubernetes:~/kubernetes# minikube status
minikube
type: Control Plane
host: Running
kubelet: Running
apiserver: Running
kubeconfig: Configured
root@AnushaKubernetes:~/kubernetes# kubectl create -f ~/kubernetes
33°C
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ENG
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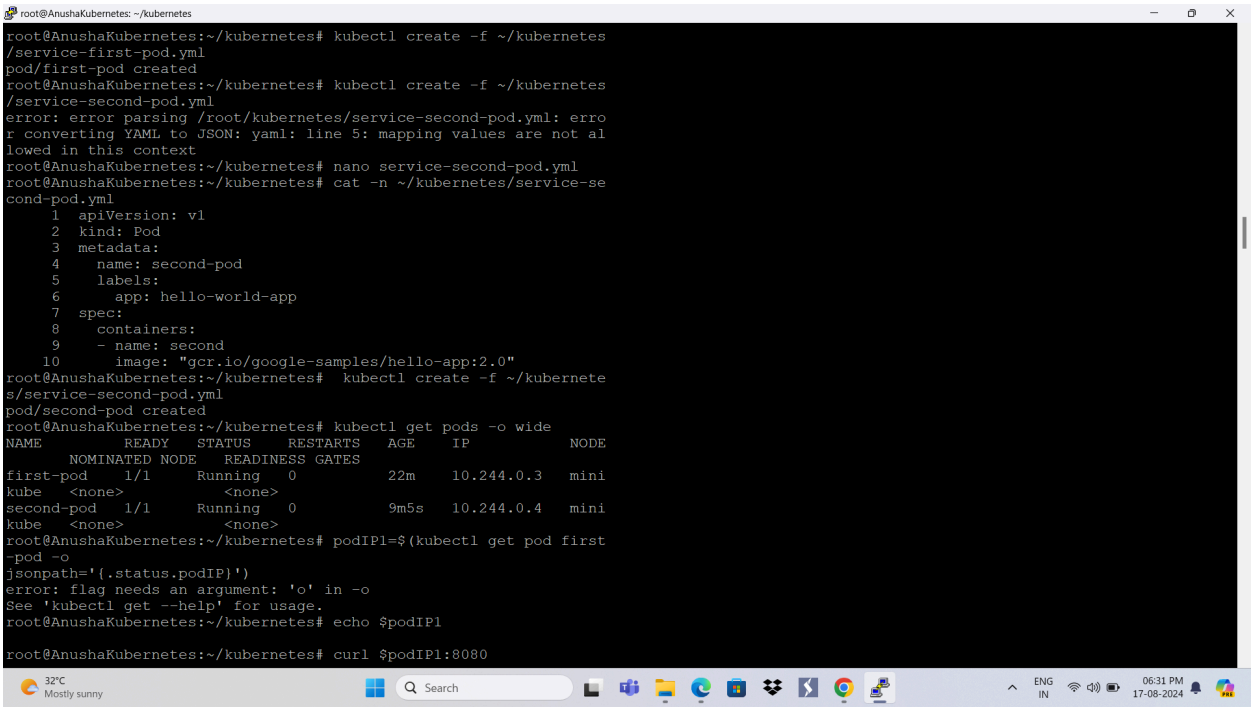
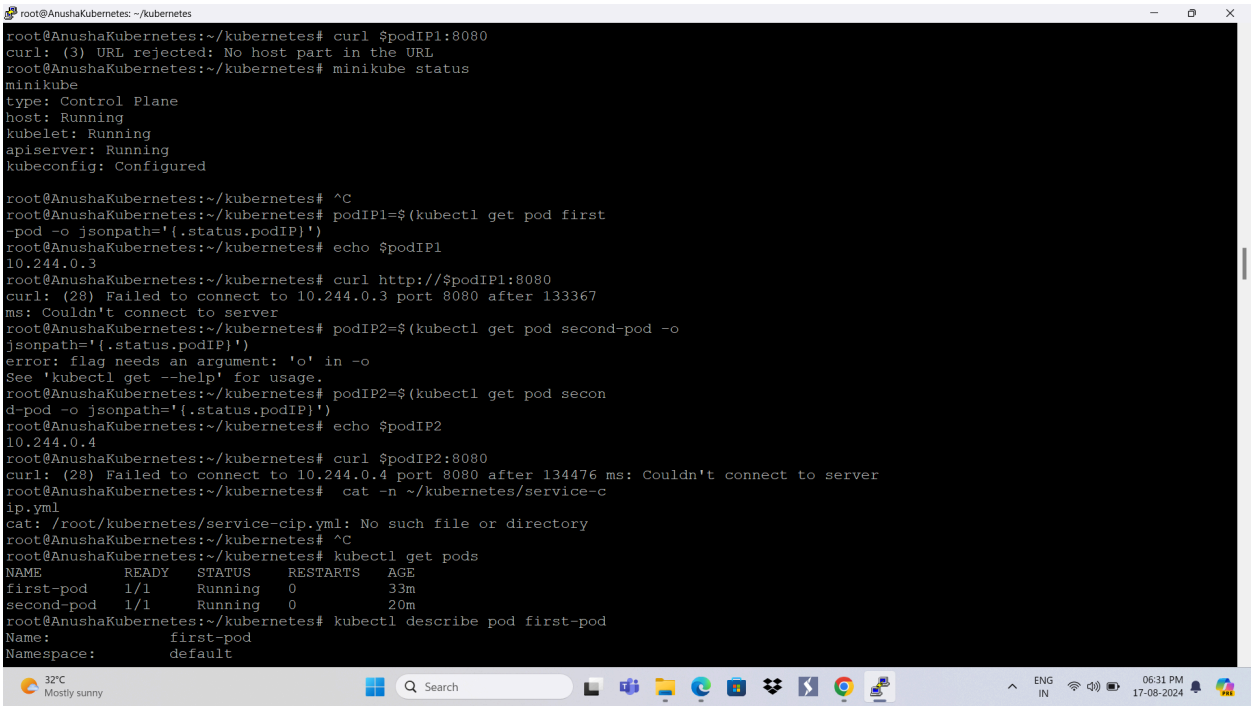
05:44 PM
17-08-2024


root@AnushaKubernetes: ~/kubernetes
root@AnushaKubernetes:~/kubernetes# kubectl create -f ~/kubernetes
/service-first-pod.yml
pod/first-pod created
root@AnushaKubernetes:~/kubernetes# kubectl create -f ~/kubernetes
/service-second-pod.yml
error: error parsing /root/kubernetes/service-second-pod.yml: erro
r converting YAML to JSON: yaml: line 5: mapping values are not al
lowed in this context
root@AnushaKubernetes:~/kubernetes# nano service-second-pod.yml
root@AnushaKubernetes:~/kubernetes# cat -n ~/kubernetes/service-se
cond-pod.yml
1 apiVersion: v1
2 kind: Pod
3 metadata:
4 name: second-pod
5 labels:
6 app: hello-world-app
7 spec:
8 containers:
9 - name: second
10 image: "gcr.io/google-samples/hello-app:2.0"
root@AnushaKubernetes:~/kubernetes# kubectl create -f ~/kubernete
s/service-second-pod.yml
pod/second-pod created
root@AnushaKubernetes:~/kubernetes# kubectl get pods -o wide
NAME READY STATUS RESTARTS AGE IP NODE
NOMINATED NODE READINESS GATES
first-pod 1/1 Running 0 22m 10.244.0.3 mini
kube <none> <none>
second-pod 1/1 Running 0 9m5s 10.244.0.4 mini
kube <none> <none>
root@AnushaKubernetes:~/kubernetes# podIP1=$(kubectl get pod first
-pod -o
jsonpath='{.status.podIP}')
error: flag needs an argument: 'o' in -o
See 'kubectl get --help' for usage.
root@AnushaKubernetes:~/kubernetes# echo $podIP1
root@AnushaKubernetes:~/kubernetes# curl $podIP1:8080
32°C
Mostly sunny
Search
ENG
IN
06:31 PM
17-08-2024


root@AnushaKubernetes: ~/kubernetes
root@AnushaKubernetes:~/kubernetes# curl $podIP1:8080
curl: (3) URL rejected: No host part in the URL
root@AnushaKubernetes:~/kubernetes# minikube status
minikube
type: Control Plane
host: Running
kubelet: Running
apiserver: Running
kubeconfig: Configured
root@AnushaKubernetes:~/kubernetes# ^C
root@AnushaKubernetes:~/kubernetes# podIP1=$(kubectl get pod first
-pod -o jsonpath='{.status.podIP}')
root@AnushaKubernetes:~/kubernetes# echo $podIP1
10.244.0.3
root@AnushaKubernetes:~/kubernetes# curl http://$podIP1:8080
curl: (28) Failed to connect to 10.244.0.3 port 8080 after 133367
ms: Couldn't connect to server
root@AnushaKubernetes:~/kubernetes# podIP2=$(kubectl get pod second-pod -o
jsonpath='{.status.podIP}')
error: flag needs an argument: 'o' in -o
See 'kubectl get --help' for usage.
root@AnushaKubernetes:~/kubernetes# podIP2=$(kubectl get pod secon
d-pod -o jsonpath='{.status.podIP}')
root@AnushaKubernetes:~/kubernetes# echo $podIP2
10.244.0.4
root@AnushaKubernetes:~/kubernetes# curl $podIP2:8080
curl: (28) Failed to connect to 10.244.0.4 port 8080 after 134476 ms: Couldn't connect to server
root@AnushaKubernetes:~/kubernetes# cat -n ~/kubernetes/service-c
ip.yml
cat: /root/kubernetes/service-cip.yml: No such file or directory
root@AnushaKubernetes:~/kubernetes# ^C
root@AnushaKubernetes:~/kubernetes# kubectl get pods
NAME   READY   STATUS   RESTARTS   AGE
first-pod   1/1   Running   0   33m
second-pod   1/1   Running   0   20m
root@AnushaKubernetes:~/kubernetes# kubectl describe pod first-pod
Name: first-pod
Namespace: default
32°C
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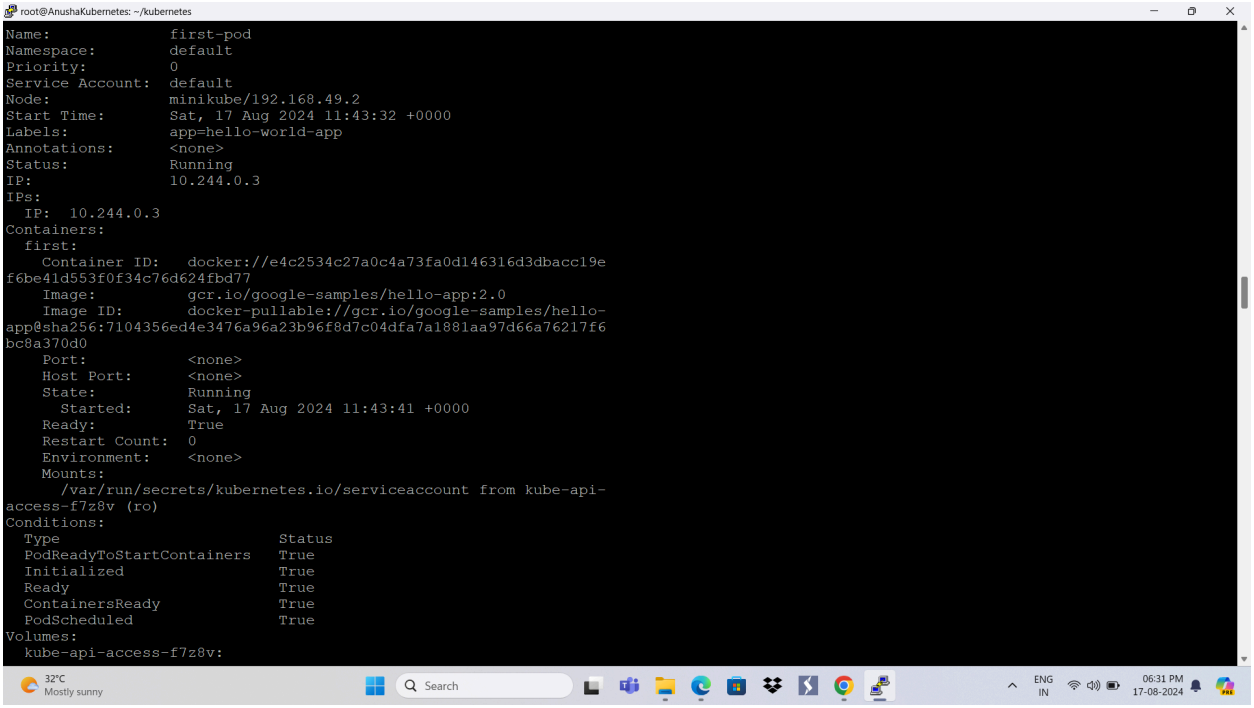
root@AnushaKubernetes: ~/kubernetes
Name: first-pod
Namespace: default
Priority: 0
Service Account: default
Node: minikube/192.168.49.2
Start Time: Sat, 17 Aug 2024 11:43:32 +0000
Labels: app=hello-world-app
Annotations: <none>
Status: Running
IP: 10.244.0.3
IPs:
  IP: 10.244.0.3
Containers:
  first:
    Container ID: docker://e4c2534c27a0c4a73fa0d146316d3dbacc19e
f6be41d553f0f34c76d624fbd77
    Image: gcr.io/google-samples/hello-app:2.0
    Image ID: docker-pullable://gcr.io/google-samples/hello-
app@sha256:7104356ed4e3476a96a23b96f8d7c04dfa7a181aa97d66a76217f6
bc8a370d0
    Port: <none>
    Host Port: <none>
    State: Running
      Started: Sat, 17 Aug 2024 11:43:41 +0000
    Ready: True
    Restart Count: 0
    Environment: <none>
    Mounts:
      /var/run/secrets/kubernetes.io/serviceaccount from kube-api-
access-f7z8v (ro)
Conditions:
  Type   Status
  PodReadyToStartContainers   True
  Initialized   True
  Ready   True
  ContainersReady   True
  PodScheduled   True
Volumes:
  kube-api-access-f7z8v:
32°C
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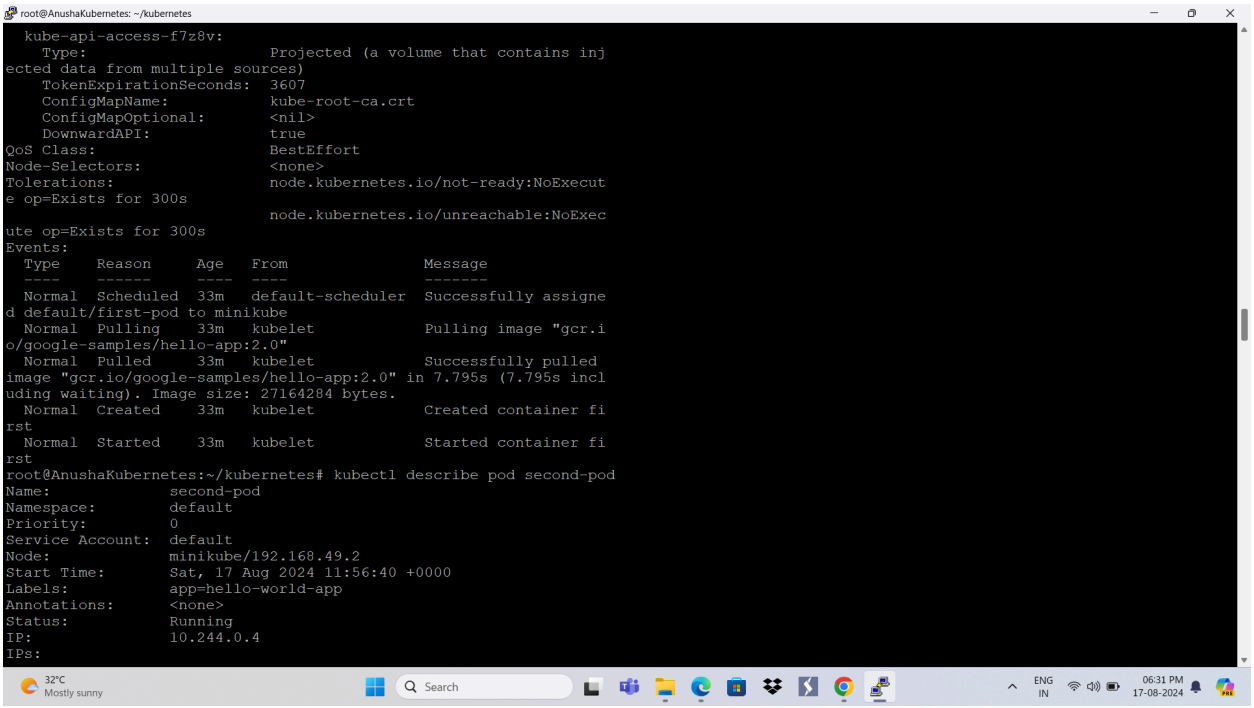
root@AnushaKubernetes: ~/kubernetes
kube-api-access-f7z8v:
Type: Projected (a volume that contains inj
ected data from multiple sources)
TokenExpirationSeconds: 3607
ConfigMapName: kube-root-ca.crt
ConfigMapOptional: <nil>
DownwardAPI: true
QoS Class: BestEffort
Node-Selectors: <none>
Tolerations: node.kubernetes.io/not-ready:NoExecut
e op=Exists for 300s
node.kubernetes.io/unreachable:NoExec
ute op=Exists for 300s
Events:
Type Reason Age From Message
Normal Scheduled 33m default-scheduler Successfully assigne
d default/first-pod to minikube
Normal Pulling 33m kubelet Pulling image "gcr.i
o/google-samples/hello-app:2.0"
Normal Pulled 33m kubelet Successfully pulled
image "gcr.io/google-samples/hello-app:2.0" in 7.795s (7.795s incl
uding waiting). Image size: 27164284 bytes.
Normal Created 33m kubelet Created container fi
rst
Normal Started 33m kubelet Started container fi
rst
root@AnushaKubernetes:~/kubernetes# kubectl describe pod second-pod
Name: second-pod
Namespace: default
Priority: 0
Service Account: default
Node: minikube/192.168.49.2
Start Time: Sat, 17 Aug 2024 11:56:40 +0000
Labels: app=hello-world-app
Annotations: <none>
Status: Running
IP: 10.244.0.4
IPs:
32°C
Mostly sunny
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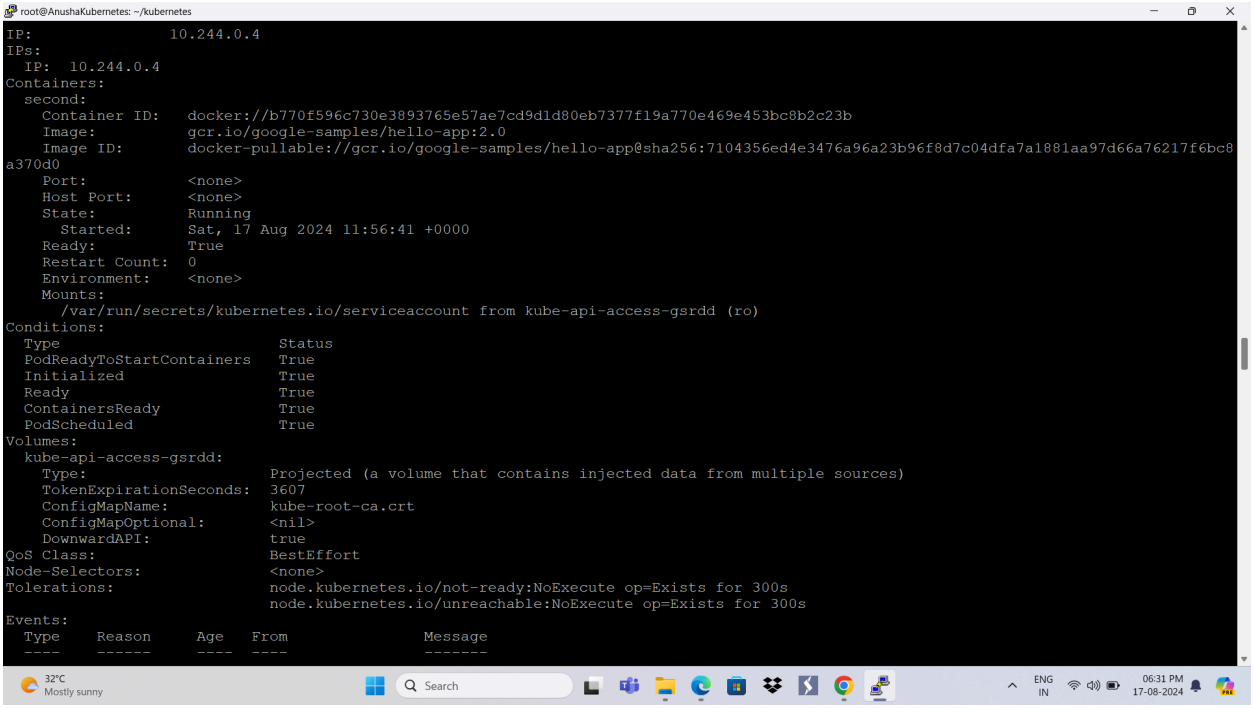
17-08-2024


root@AnushaKubernetes: ~/kubernetes
IP: 10.244.0.4
IPs:
IP: 10.244.0.4
Containers:
second:
Container ID: docker://b770f596c730e3893765e57ae7cd9d1d80eb7377f19a770e469e453bc8b2c23b
Image: gcr.io/google-samples/hello-app:2.0
Image ID: docker-pullable://gcr.io/google-samples/hello-app@sha256:7104356ed4e3476a96a23b96f8d7c04dfa7a1881aa97d66a76217f6bc8
a370d0
Port: <none>
Host Port: <none>
State: Running
Started: Sat, 17 Aug 2024 11:56:41 +0000
Ready: True
Restart Count: 0
Environment: <none>
Mounts:
/var/run/secrets/kubernetes.io/serviceaccount from kube-api-access-gsrdd (ro)
Conditions:
Type Status
PodReadyToStartContainers True
Initialized True
Ready True
ContainersReady True
PodScheduled True
Volumes:
kube-api-access-gsrdd:
Type: Projected (a volume that contains injected data from multiple sources)
TokenExpirationSeconds: 3607
ConfigMapName: kube-root-ca.crt
ConfigMapOptional: <nil>
DownwardAPI: true
QoS Class: BestEffort
Node-Selectors: <none>
Tolerations: node.kubernetes.io/not-ready:NoExecute op=Exists for 300s
node.kubernetes.io/unreachable:NoExecute op=Exists for 300s
Events:
Type Reason Age From Message
32°C
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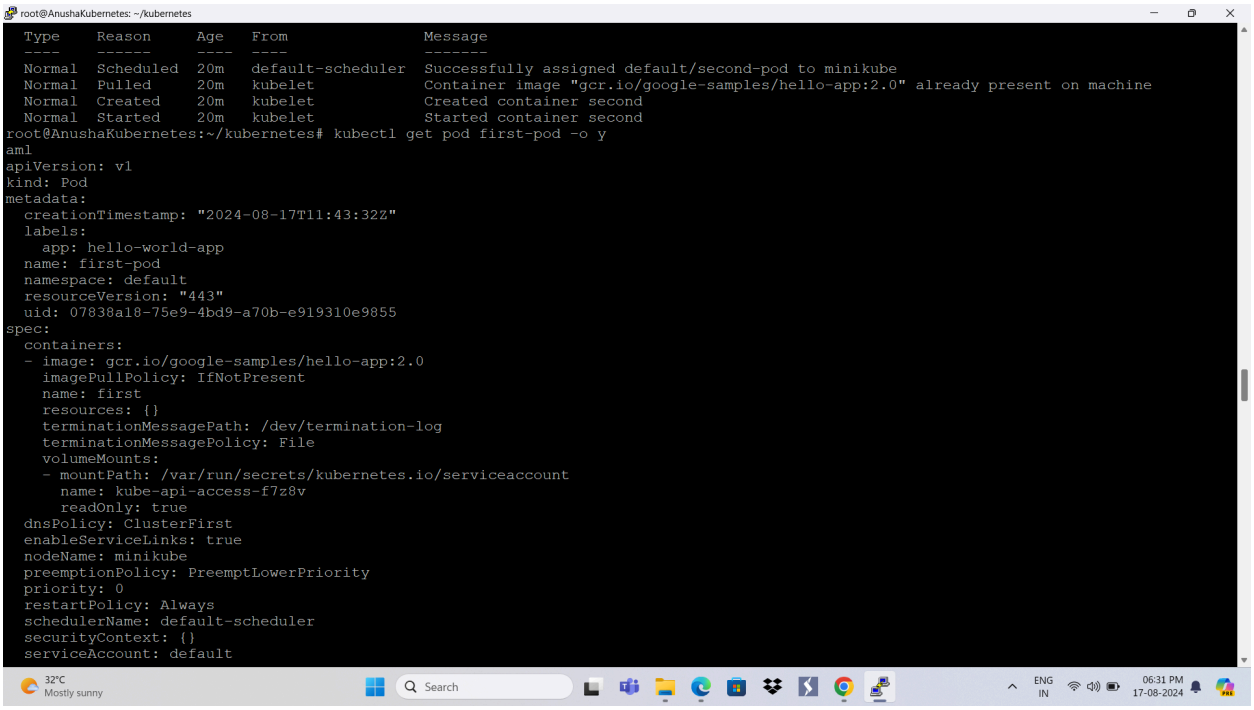
root@AnushaKubernetes: ~/kubernetes
Type Reason Age From Message
Normal Scheduled 20m default-scheduler Successfully assigned default/second-pod to minikube
Normal Pulled 20m kubelet Container image "gcr.io/google-samples/hello-app:2.0" already present on machine
Normal Created 20m kubelet Created container second
Normal Started 20m kubelet Started container second
root@AnushaKubernetes:~/kubernetes# kubectl get pod first-pod -o y
aml
apiVersion: v1
kind: Pod
metadata:
creationTimestamp: "2024-08-17T11:43:32Z"
labels:
app: hello-world-app
name: first-pod
namespace: default
resourceVersion: "443"
uid: 07838a18-75e9-4bd9-a70b-e919310e9855
spec:
containers:
- image: gcr.io/google-samples/hello-app:2.0
imagePullPolicy: IfNotPresent
name: first
resources: {}
terminationMessagePath: /dev/termination-log
terminationMessagePolicy: File
volumeMounts:
- mountPath: /var/run/secrets/kubernetes.io/serviceaccount
name: kube-api-access-f7z8v
readOnly: true
dnsPolicy: ClusterFirst
enableServiceLinks: true
nodeName: minikube
preemptionPolicy: PreemptLowerPriority
priority: 0
restartPolicy: Always
schedulerName: default-scheduler
securityContext: {}
serviceAccount: default
32°C
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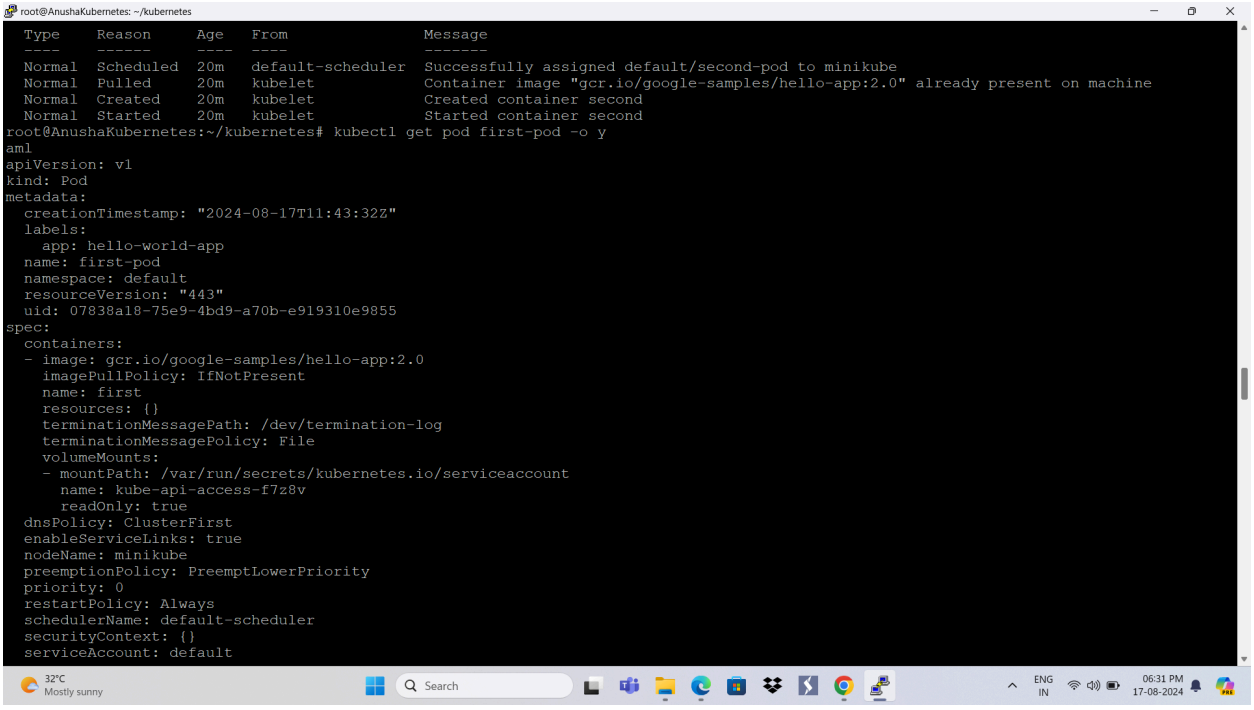
17-08-2024


root@AnushaKubernetes: ~/kubernetes
Type Reason Age From Message
Normal Scheduled 20m default-scheduler Successfully assigned default/second-pod to minikube
Normal Pulled 20m kubelet Container image "gcr.io/google-samples/hello-app:2.0" already present on machine
Normal Created 20m kubelet Created container second
Normal Started 20m kubelet Started container second
root@AnushaKubernetes:~/kubernetes# kubectl get pod first-pod -o y
aml
apiVersion: v1
kind: Pod
metadata:
creationTimestamp: "2024-08-17T11:43:32Z"
labels:
app: hello-world-app
name: first-pod
namespace: default
resourceVersion: "443"
uid: 07838a18-75e9-4bd9-a70b-e919310e9855
spec:
containers:
- image: gcr.io/google-samples/hello-app:2.0
imagePullPolicy: IfNotPresent
name: first
resources: {}
terminationMessagePath: /dev/termination-log
terminationMessagePolicy: File
volumeMounts:
- mountPath: /var/run/secrets/kubernetes.io/serviceaccount
name: kube-api-access-f7z8v
readOnly: true
dnsPolicy: ClusterFirst
enableServiceLinks: true
nodeName: minikube
preemptionPolicy: PreemptLowerPriority
priority: 0
restartPolicy: Always
schedulerName: default-scheduler
securityContext: {}
serviceAccount: default
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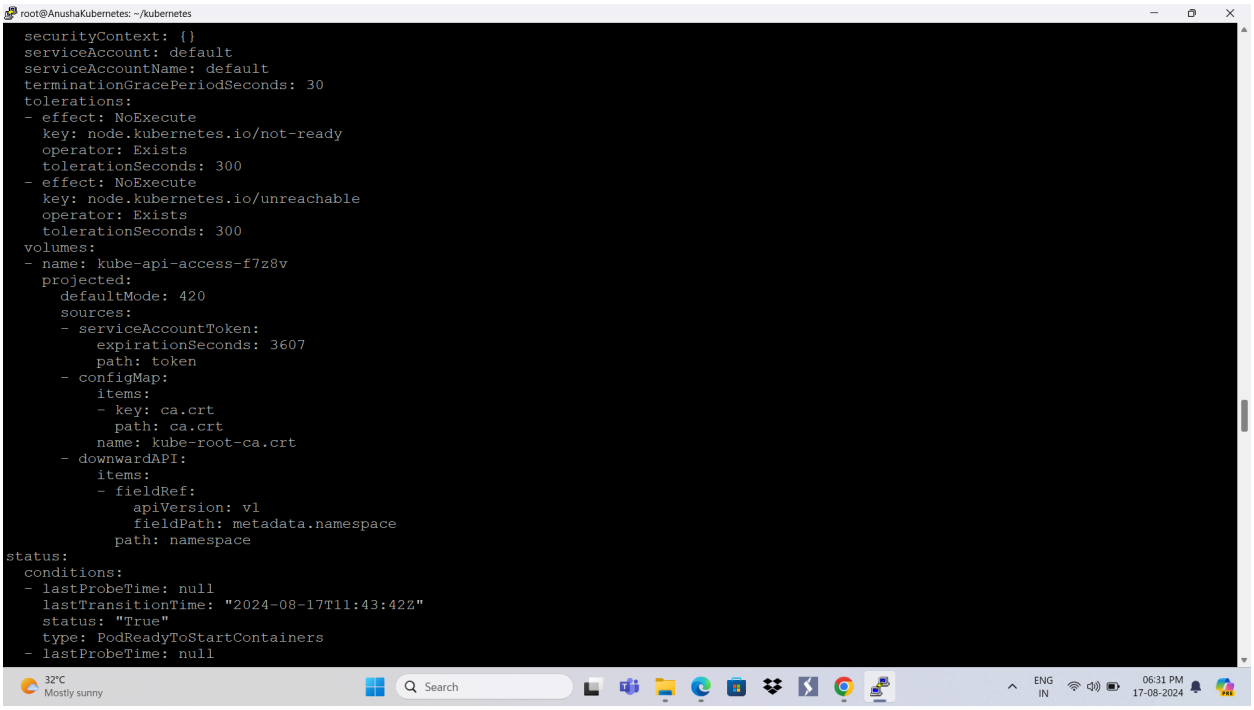
17-08-2024


root@AnushaKubernetes: ~/kubernetes
securityContext: {}
serviceAccount: default
serviceAccountName: default
terminationGracePeriodSeconds: 30
tolerations:
- effect: NoExecute
key: node.kubernetes.io/not-ready
operator: Exists
tolerationSeconds: 300
- effect: NoExecute
key: node.kubernetes.io/unreachable
operator: Exists
tolerationSeconds: 300
volumes:
- name: kube-api-access-f7z8v
projected:
defaultMode: 420
sources:
- serviceAccountToken:
expirationSeconds: 3607
path: token
- configMap:
items:
- key: ca.crt
path: ca.crt
name: kube-root-ca.crt
- downwardAPI:
items:
- fieldRef:
apiVersion: v1
fieldPath: metadata.namespace
path: namespace
status:
conditions:
- lastProbeTime: null
lastTransitionTime: "2024-08-17T11:43:42Z"
status: "True"
type: PodReadyToStartContainers
- lastProbeTime: null
32°C
Mostly sunny
Search
ENG
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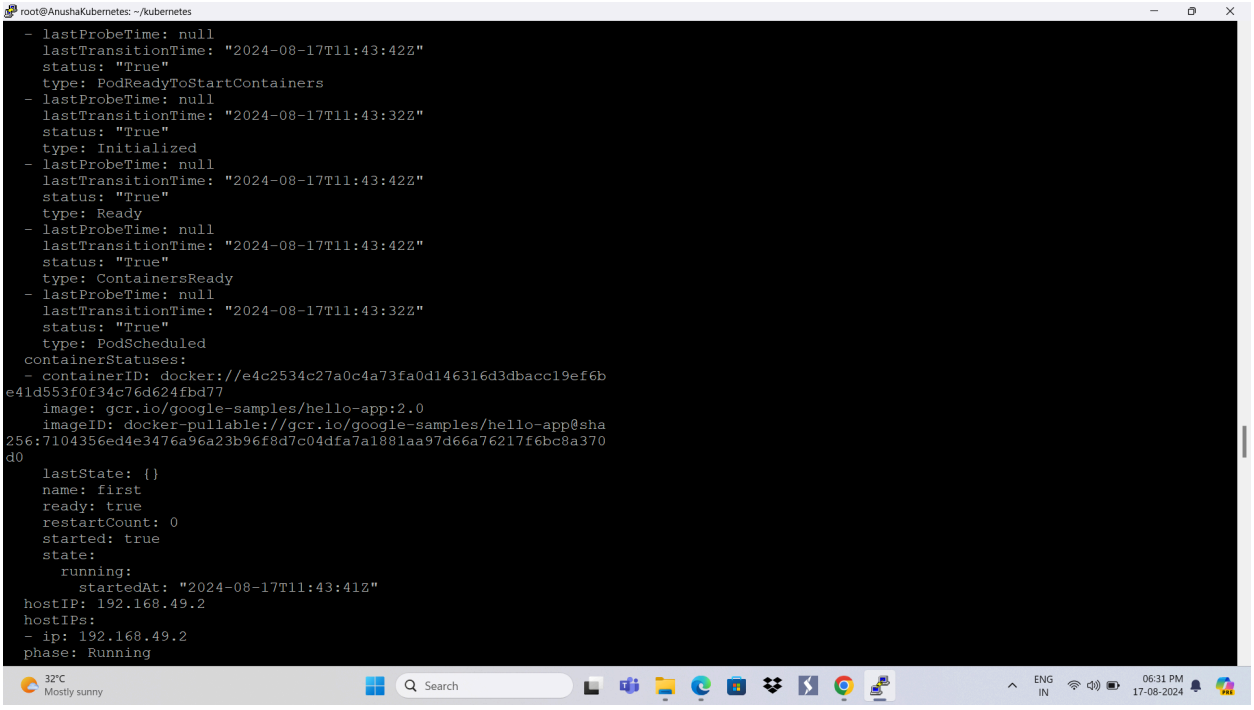
06:31 PM
17-08-2024


root@AnushaKubernetes: ~/kubernetes
- lastProbeTime: null
lastTransitionTime: "2024-08-17T11:43:42Z"
status: "True"
type: PodReadyToStartContainers
- lastProbeTime: null
lastTransitionTime: "2024-08-17T11:43:32Z"
status: "True"
type: Initialized
- lastProbeTime: null
lastTransitionTime: "2024-08-17T11:43:42Z"
status: "True"
type: Ready
- lastProbeTime: null
lastTransitionTime: "2024-08-17T11:43:42Z"
status: "True"
type: ContainersReady
- lastProbeTime: null
lastTransitionTime: "2024-08-17T11:43:32Z"
status: "True"
type: PodScheduled
containerStatuses:
- containerID: docker://e4c2534c27a0c4a73fa0d146316d3dbacc19ef6b
e41d553f0f34c76d624fbd77
image: gcr.io/google-samples/hello-app:2.0
imageID: docker-pullable://gcr.io/google-samples/hello-app@sha
256:7104356ed4e3476a96a23b96f8d7c04dfa7a1881aa97d66a76217f6bc8a370
d0
lastState: {}
name: first
ready: true
restartCount: 0
started: true
state:
running:
startedAt: "2024-08-17T11:43:41Z"
hostIP: 192.168.49.2
hostIPs:
- ip: 192.168.49.2
phase: Running
32°C
Mostly sunny
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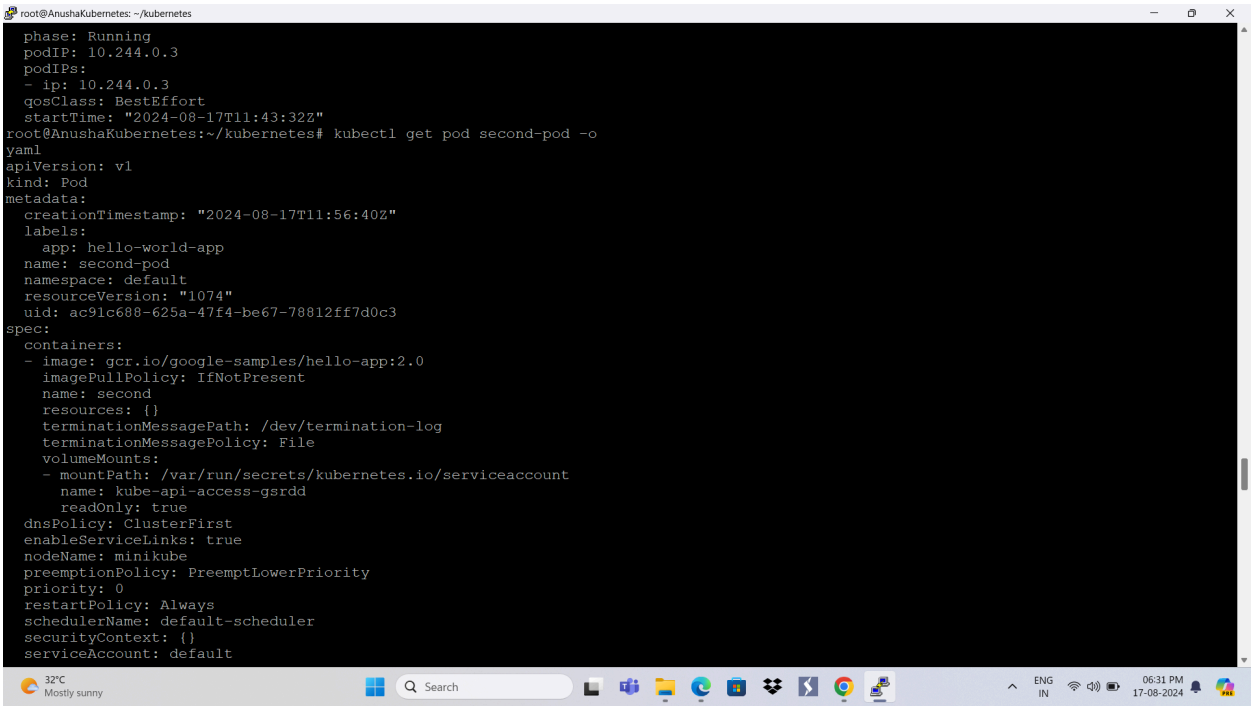
17-08-2024


root@AnushaKubernetes: ~/kubernetes
phase: Running
podIP: 10.244.0.3
podIPs:
- ip: 10.244.0.3
qosClass: BestEffort
startTime: "2024-08-17T11:43:32Z"
root@AnushaKubernetes:~/kubernetes# kubectl get pod second-pod -o
yaml
apiVersion: v1
kind: Pod
metadata:
creationTimestamp: "2024-08-17T11:56:40Z"
labels:
app: hello-world-app
name: second-pod
namespace: default
resourceVersion: "1074"
uid: ac91c688-625a-47f4-be67-78812ff7d0c3
spec:
containers:
- image: gcr.io/google-samples/hello-app:2.0
imagePullPolicy: IfNotPresent
name: second
resources: {}
terminationMessagePath: /dev/termination-log
terminationMessagePolicy: File
volumeMounts:
- mountPath: /var/run/secrets/kubernetes.io/serviceaccount
name: kube-api-access-gsrdd
readOnly: true
dnsPolicy: ClusterFirst
enableServiceLinks: true
nodeName: minikube
preemptionPolicy: PreemptLowerPriority
priority: 0
restartPolicy: Always
schedulerName: default-scheduler
securityContext: {}
serviceAccount: default
32°C
Mostly sunny
Search
ENG
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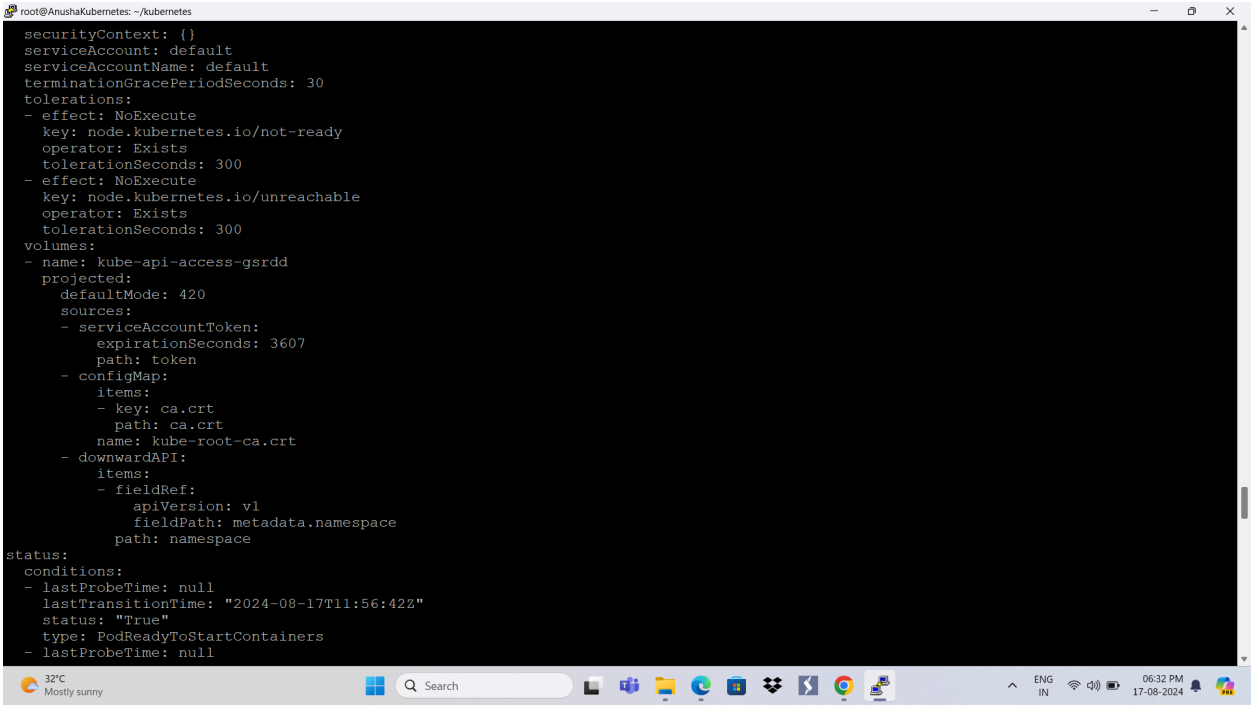
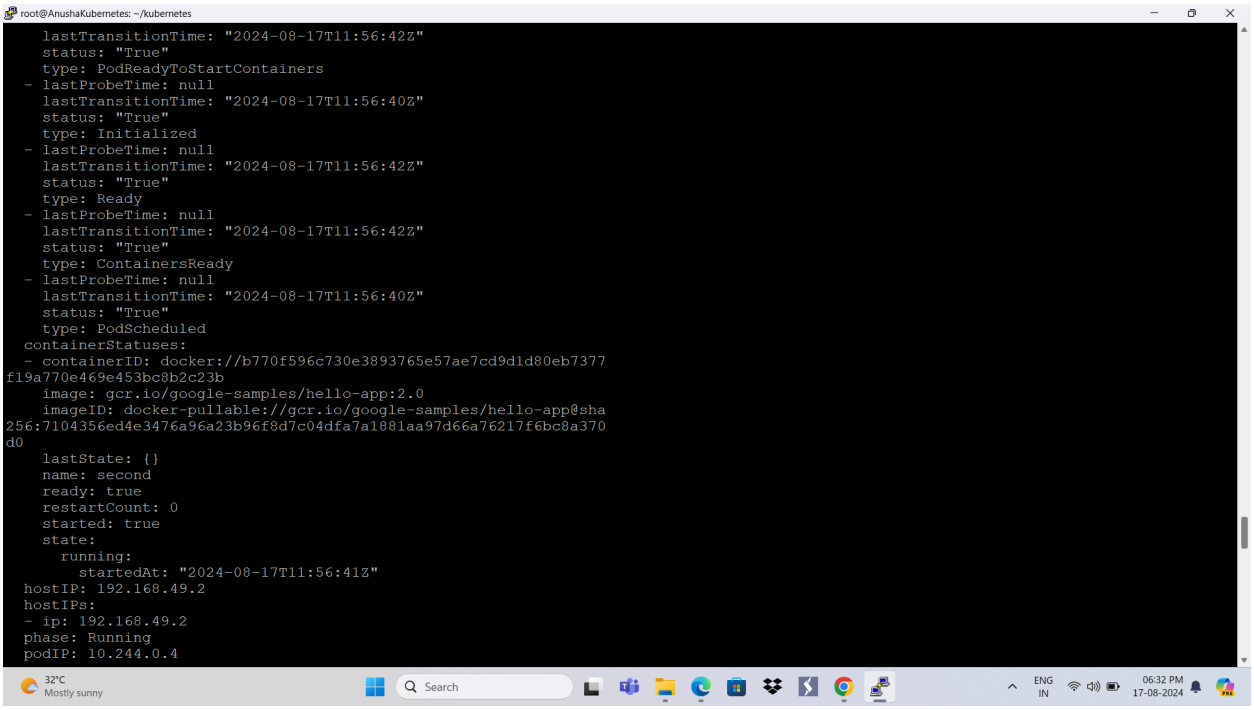
06:31 PM
17-08-2024


root@AnushaKubernetes: ~/kubernetes
securityContext: {}
serviceAccount: default
serviceAccountName: default
terminationGracePeriodSeconds: 30
tolerations:
- effect: NoExecute
key: node.kubernetes.io/not-ready
operator: Exists
tolerationSeconds: 300
- effect: NoExecute
key: node.kubernetes.io/unreachable
operator: Exists
tolerationSeconds: 300
volumes:
- name: kube-api-access-gsrdd
projected:
defaultMode: 420
sources:
- serviceAccountToken:
expirationSeconds: 3607
path: token
- configMap:
items:
- key: ca.crt
path: ca.crt
name: kube-root-ca.crt
- downwardAPI:
items:
- fieldRef:
apiVersion: v1
fieldPath: metadata.namespace
path: namespace
status:
conditions:
- lastProbeTime: null
lastTransitionTime: "2024-08-17T11:56:42Z"
status: "True"
type: PodReadyToStartContainers
- lastProbeTime: null
32°C
Mostly sunny
Search
ENG
IN
06:32 PM
17-08-2024


root@AnushaKubernetes: ~/kubernetes
lastTransitionTime: "2024-08-17T11:56:42Z"
status: "True"
type: PodReadyToStartContainers
- lastProbeTime: null
lastTransitionTime: "2024-08-17T11:56:40Z"
status: "True"
type: Initialized
- lastProbeTime: null
lastTransitionTime: "2024-08-17T11:56:42Z"
status: "True"
type: Ready
- lastProbeTime: null
lastTransitionTime: "2024-08-17T11:56:42Z"
status: "True"
type: ContainersReady
- lastProbeTime: null
lastTransitionTime: "2024-08-17T11:56:40Z"
status: "True"
type: PodScheduled
containerStatuses:
- containerID: docker://b770f596c730e3893765e57ae7cd9d1d80eb7377
f19a770e469e453bc8b2c23b
image: gcr.io/google-samples/hello-app:2.0
imageID: docker-pullable://gcr.io/google-samples/hello-app@sha
256:7104356ed4e3476a96a23b96f8d7c04dfa7a1881aa97d66a76217f6bc8a370
d0
lastState: {}
name: second
ready: true
restartCount: 0
started: true
state:
running:
startedAt: "2024-08-17T11:56:41Z"
hostIP: 192.168.49.2
hostIPs:
- ip: 192.168.49.2
phase: Running
podIP: 10.244.0.4
32°C
Mostly sunny
Search
ENG
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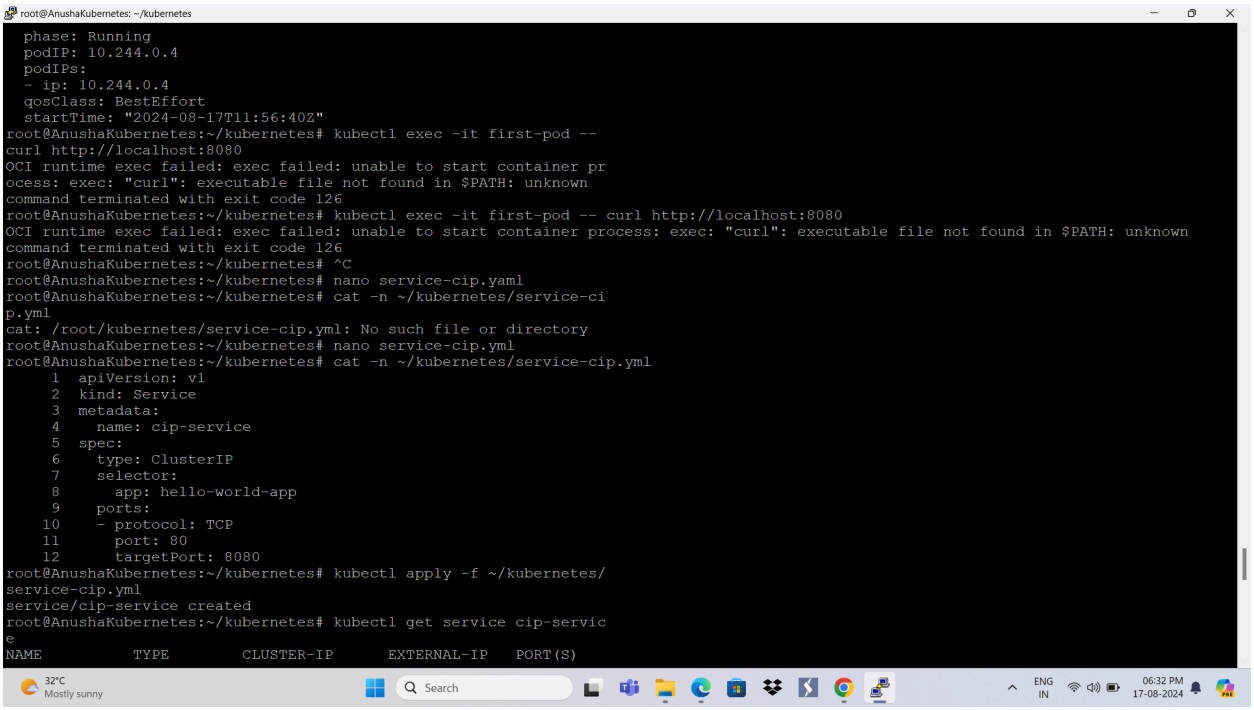
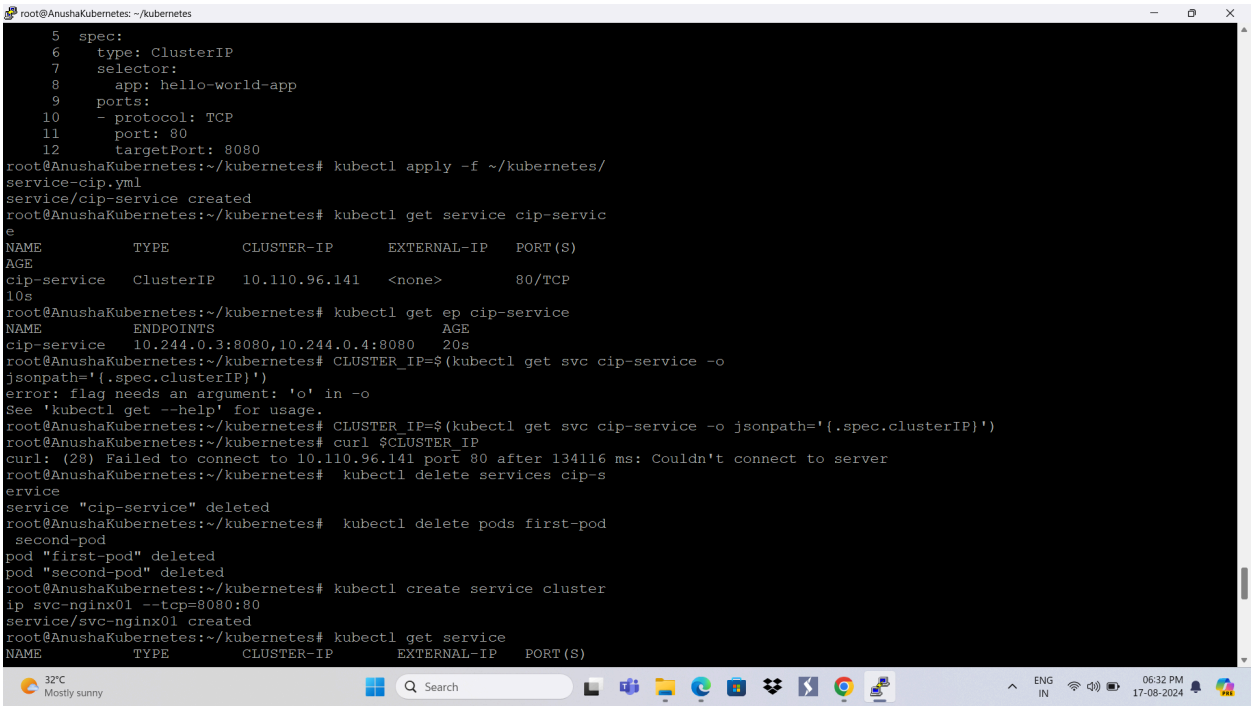
06:32 PM
17-08-2024


root@AnushaKubernetes: ~/kubernetes
phase: Running
podIP: 10.244.0.4
podIPs:
- ip: 10.244.0.4
qosClass: BestEffort
startTime: "2024-08-17T11:56:40Z"
root@AnushaKubernetes:~/kubernetes# kubectl exec -it first-pod --
curl http://localhost:8080
OCI runtime exec failed: exec failed: unable to start container pr
ocess: exec: "curl": executable file not found in $PATH: unknown
command terminated with exit code 126
root@AnushaKubernetes:~/kubernetes# kubectl exec -it first-pod -- curl http://localhost:8080
OCI runtime exec failed: exec failed: unable to start container process: exec: "curl": executable file not found in $PATH: unknown
command terminated with exit code 126
root@AnushaKubernetes:~/kubernetes# ^C
root@AnushaKubernetes:~/kubernetes# nano service-cip.yaml
root@AnushaKubernetes:~/kubernetes# cat -n ~/kubernetes/service-ci
p.yml
cat: /root/kubernetes/service-cip.yml: No such file or directory
root@AnushaKubernetes:~/kubernetes# nano service-cip.yml
root@AnushaKubernetes:~/kubernetes# cat -n ~/kubernetes/service-cip.yml
1 apiVersion: v1
2 kind: Service
3 metadata:
4 name: cip-service
5 spec:
6 type: ClusterIP
7 selector:
8 app: hello-world-app
9 ports:
10 - protocol: TCP
11 port: 80
12 targetPort: 8080
root@AnushaKubernetes:~/kubernetes# kubectl apply -f ~/kubernetes/
service-cip.yml
service/cip-service created
root@AnushaKubernetes:~/kubernetes# kubectl get service cip-servic
e
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S)
32°C
Mostly sunny
Search
ENG
IN
06:32 PM
17-08-2024


root@AnushaKubernetes: ~/kubernetes
5 spec:
6 type: ClusterIP
7 selector:
8 app: hello-world-app
9 ports:
10 - protocol: TCP
11 port: 80
12 targetPort: 8080
root@AnushaKubernetes:~/kubernetes# kubectl apply -f ~/kubernetes/
service-cip.yml
service/cip-service created
root@AnushaKubernetes:~/kubernetes# kubectl get service cip-servic
e
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S)
AGE
cip-service ClusterIP 10.110.96.141 <none> 80/TCP
10s
root@AnushaKubernetes:~/kubernetes# kubectl get ep cip-service
NAME ENDPOINTS AGE
cip-service 10.244.0.3:8080,10.244.0.4:8080 20s
root@AnushaKubernetes:~/kubernetes# CLUSTER_IP=$(kubectl get svc cip-service -o
jsonpath='{.spec.clusterIP}')
error: flag needs an argument: 'o' in -o
See 'kubectl get --help' for usage.
root@AnushaKubernetes:~/kubernetes# CLUSTER_IP=$(kubectl get svc cip-service -o jsonpath='{.spec.clusterIP}')
root@AnushaKubernetes:~/kubernetes# curl $CLUSTER_IP
curl: (28) Failed to connect to 10.110.96.141 port 80 after 134116 ms: Couldn't connect to server
root@AnushaKubernetes:~/kubernetes# kubectl delete services cip-s
ervice
service "cip-service" deleted
root@AnushaKubernetes:~/kubernetes# kubectl delete pods first-pod
second-pod
pod "first-pod" deleted
pod "second-pod" deleted
root@AnushaKubernetes:~/kubernetes# kubectl create service cluster
ip svc-nginx01 --tcp=8080:80
service/svc-nginx01 created
root@AnushaKubernetes:~/kubernetes# kubectl get service
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S)
32°C
Mostly sunny
Search
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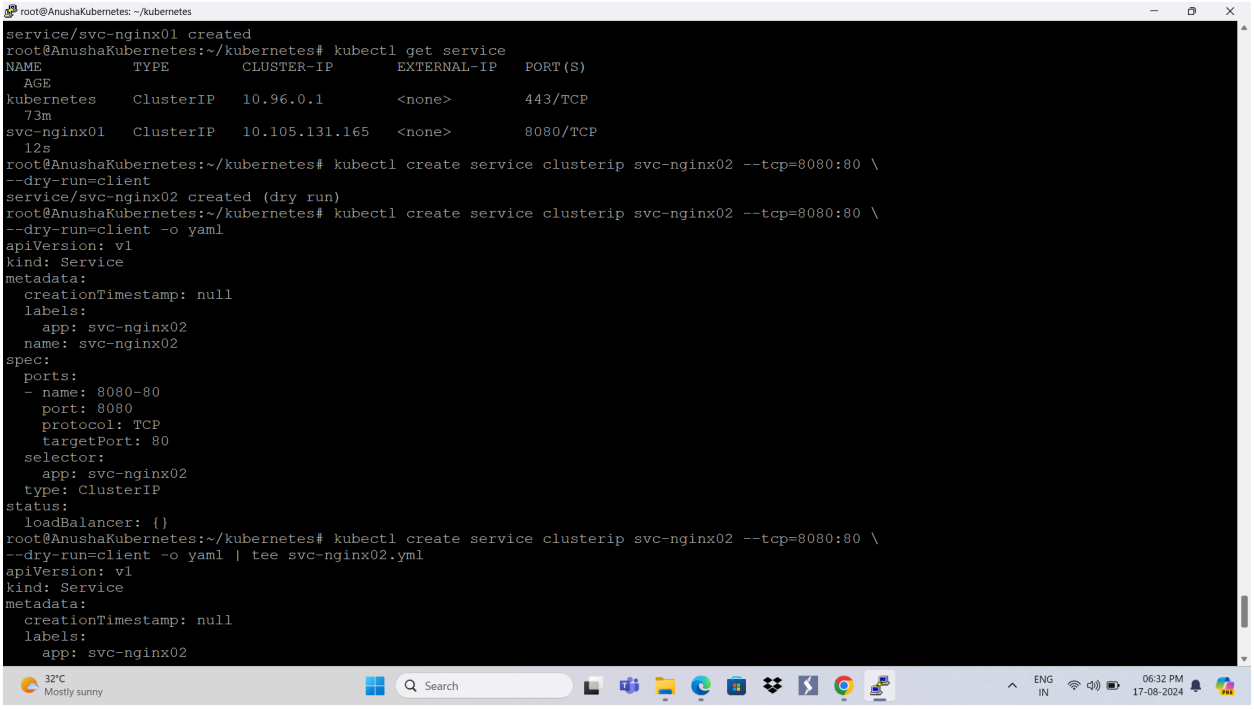
17-08-2024


root@AnushaKubernetes: ~/kubernetes
service/svc-nginx01 created
root@AnushaKubernetes:~/kubernetes# kubectl get service
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S)
AGE
kubernetes ClusterIP 10.96.0.1 <none> 443/TCP
73m
svc-nginx01 ClusterIP 10.105.131.165 <none> 8080/TCP
12s
root@AnushaKubernetes:~/kubernetes# kubectl create service clusterip svc-nginx02 --tcp=8080:80 \
--dry-run=client
service/svc-nginx02 created (dry run)
root@AnushaKubernetes:~/kubernetes# kubectl create service clusterip svc-nginx02 --tcp=8080:80 \
--dry-run=client -o yaml
apiVersion: v1
kind: Service
metadata:
creationTimestamp: null
labels:
app: svc-nginx02
name: svc-nginx02
spec:
ports:
- name: 8080-80
port: 8080
protocol: TCP
targetPort: 80
selector:
app: svc-nginx02
type: ClusterIP
status:
loadBalancer: {}
root@AnushaKubernetes:~/kubernetes# kubectl create service clusterip svc-nginx02 --tcp=8080:80 \
--dry-run=client -o yaml | tee svc-nginx02.yml
apiVersion: v1
kind: Service
metadata:
creationTimestamp: null
labels:
app: svc-nginx02
32°C
Mostly sunny
Search
ENG
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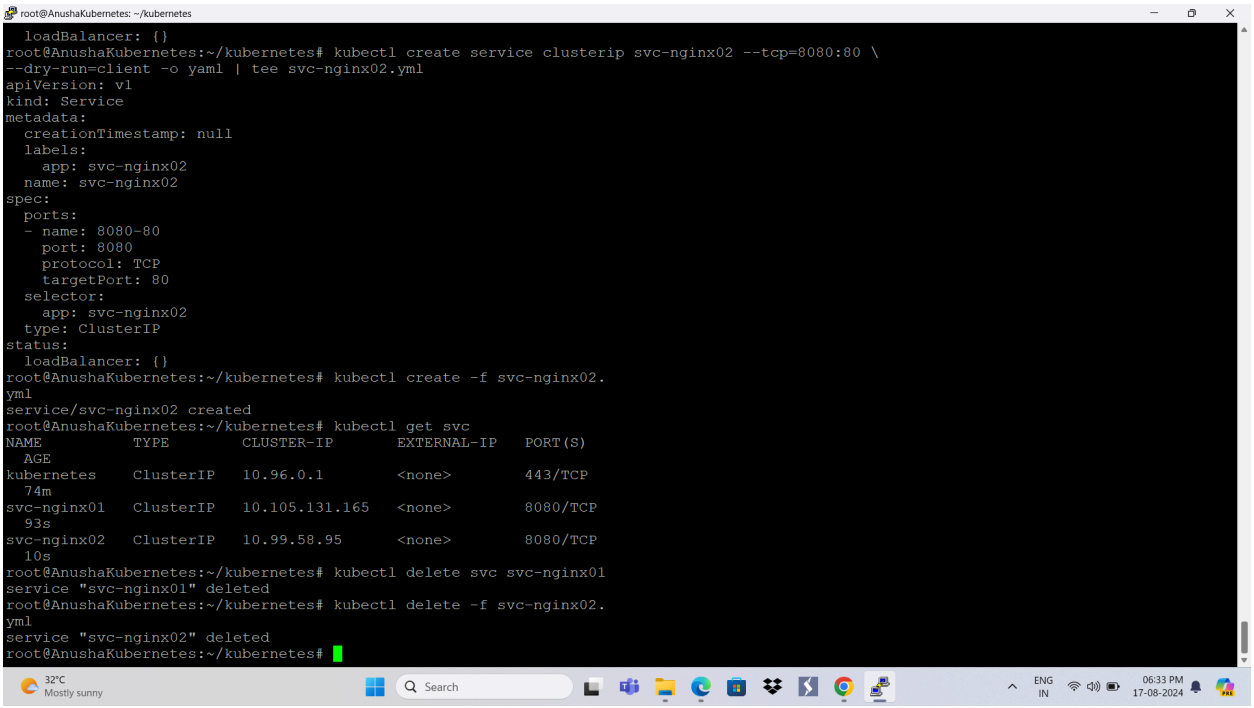
17-08-2024


root@AnushaKubernetes: ~/kubernetes
loadBalancer: {}
root@AnushaKubernetes:~/kubernetes# kubectl create service clusterip svc-nginx02 --tcp=8080:80 \
--dry-run=client -o yaml | tee svc-nginx02.yml
apiVersion: v1
kind: Service
metadata:
creationTimestamp: null
labels:
app: svc-nginx02
name: svc-nginx02
spec:
ports:
- name: 8080-80
port: 8080
protocol: TCP
targetPort: 80
selector:
app: svc-nginx02
type: ClusterIP
status:
loadBalancer: {}
root@AnushaKubernetes:~/kubernetes# kubectl create -f svc-nginx02.
yml
service/svc-nginx02 created
root@AnushaKubernetes:~/kubernetes# kubectl get svc
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S)
AGE
kubernetes ClusterIP 10.96.0.1 <none> 443/TCP
74m
svc-nginx01 ClusterIP 10.105.131.165 <none> 8080/TCP
93s
svc-nginx02 ClusterIP 10.99.58.95 <none> 8080/TCP
10s
root@AnushaKubernetes:~/kubernetes# kubectl delete svc svc-nginx01
service "svc-nginx01" deleted
root@AnushaKubernetes:~/kubernetes# kubectl delete -f svc-nginx02.
yml
service "svc-nginx02" deleted
root@AnushaKubernetes:~/kubernetes#
32°C
Mostly sunny
Search
ENG
IN
06:33 PM
17-08-2024