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dhu2645@LAPTOP-1TVBN  x  +  v

a2645@LAPTOP-1TVBND2B:~$ ls
nsfile deployment.yml devops_main docker-compose.yml pod.yml rs-test.yml
a2645@LAPTOP-1TVBND2B:~$ kubectl get pod
NAME          READY   STATUS    RESTARTS   AGE
-bq7hb        1/1     Running   1 (9m45s ago)    138m
-lwrk5        1/1     Running   1 (9m45s ago)    138m
-rjvbb        1/1     Running   1 (9m45s ago)    137m
-rr4sl        1/1     Running   1 (9m45s ago)    138m
p-8657bfdcf7-2b5mm 1/1     Running   0           8s
a2645@LAPTOP-1TVBND2B:~$ kubectl get node
NAME    STATUS   ROLES    AGE   VERSION
ube     Ready    control-plane 158m  v1.32.0
a2645@LAPTOP-1TVBND2B:~$ kubectl apply -f deployment.yml
deployment.apps/my-deploy created
a2645@LAPTOP-1TVBND2B:~$ ls
nsfile deployment.yml devops_main docker-compose.yml pod.yml rs-test.yml
a2645@LAPTOP-1TVBND2B:~$ kubectl get node
NAME    STATUS   ROLES    AGE   VERSION
ube     Ready    control-plane 161m  v1.32.0
a2645@LAPTOP-1TVBND2B:~$ kubectl get pod
NAME          READY   STATUS             RESTARTS   AGE
ploy-56fc498498-ft877  0/1     ContainerCreating   0           9s
ploy-56fc498498-jt5xn  0/1     ErrImagePull        0           9s
ploy-56fc498498-s8l4h  0/1     ContainerCreating   0           9s
ploy-56fc498498-wk9zn  0/1     ContainerCreating   0           9s
-bq7hb        1/1     Running             1 (12m ago)  141m
-lwrk5        1/1     Running             1 (12m ago)  141m
-rjvbb        1/1     Running             1 (12m ago)  140m
-rr4sl        1/1     Running             1 (12m ago)  141m
p-8657bfdcf7-2b5mm    1/1     Running             0           3m4s
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2645@LAPTOP-1TVBND2B:~$ minikube ssh
@minikube:~$ docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS          NAMES
e8a182        6e38f40d628d                        "/storage-provisioner"   About a minute ago    Up About a minute    k8s_storage-provisioner_
e-provisioner_kube-system_5a6a1e0a-8c42-42bc-97ff-7166c80bdcaf_1
e18dd5        c69fa2e9cbf5                        "/coredns -conf /etc..." 2 minutes ago    Up 2 minutes        k8s_coredns_coredns-668d
-rkxnh_kube-system_3337d3c3-c30e-4616-8309-a7413075bde5_0
604728        registry.k8s.io/pause:3.10         "/pause"                 2 minutes ago    Up 2 minutes        k8s_POD_coredns-668d6bf9
nh_kube-system_3337d3c3-c30e-4616-8309-a7413075bde5_1
02033f        c69fa2e9cbf5                        "/coredns -conf /etc..." 2 minutes ago    Up 2 minutes        k8s_coredns_coredns-668d
-nm5gf_kube-system_a4633f8e-c8cd-4719-a3b8-b18376a67bbc_0
a72c61        040f9f8aac8c                        "/usr/local/bin/kube..." 2 minutes ago    Up 2 minutes        k8s_kube-proxy_kube-prox
c_kube-system_07bddf8f-20cc-49e5-905b-c90ab36c7102_0
36b0c3        registry.k8s.io/pause:3.10         "/pause"                 2 minutes ago    Up 2 minutes        k8s_POD_coredns-668d6bf9
gf_kube-system_a4633f8e-c8cd-4719-a3b8-b18376a67bbc_0
27a0ca        registry.k8s.io/pause:3.10         "/pause"                 2 minutes ago    Up 2 minutes        k8s_POD_kube-proxy-gdn6c
system_07bddf8f-20cc-49e5-905b-c90ab36c7102_0
fc422d        registry.k8s.io/pause:3.10         "/pause"                 2 minutes ago    Up 2 minutes        k8s_POD_storage-provisio
be-system_5a6a1e0a-8c42-42bc-97ff-7166c80bdcaf_0
316ad9        8cab3d2a8bd0                        "kube-controller-man..." 2 minutes ago    Up 2 minutes        k8s_kube-controller-mana
be-controller-manager-minikube_kube-system_843c74f7b3bc7d7040a05c31708a6a30_0
bdc5f8        a389e107f4ff                        "kube-scheduler --au..." 2 minutes ago    Up 2 minutes        k8s_kube-scheduler_kube-
ler-minikube_kube-system_d14ce008bee3a1f3bd7cf547688f9dfe_0
b09dad        c2e17b8d0f4a                        "kube-apiserver --ad..." 2 minutes ago    Up 2 minutes        k8s_kube-apiserver_kube-
ver-minikube_kube-system_f3123edb62d15ad24e928c9b2dfdeaae_0
8d8d69        a9e7e6b294ba                        "etcd --advertise-cl..." 2 minutes ago    Up 2 minutes        k8s_etcd_etcd-minikube_k
stem_4c3136af4b607ce65490ce3c89126f57_0
73768f        registry.k8s.io/pause:3.10         "/pause"                 2 minutes ago    Up 2 minutes        k8s_POD_kube-apiserver-m
e_kube-system_f3123edb62d15ad24e928c9b2dfdeaae_0
20c066        registry.k8s.io/pause:3.10         "/pause"                 2 minutes ago    Up 2 minutes        k8s_POD_etcd-minikube_ku
tem_4c3136af4b607ce65490ce3c89126f57_0
2175a1        registry.k8s.io/pause:3.10         "/pause"                 2 minutes ago    Up 2 minutes        k8s_POD_kube-controller-
r-minikube_kube-system_843c74f7b3bc7d7040a05c31708a6a30_0
b63c49        registry.k8s.io/pause:3.10         "/pause"                 2 minutes ago    Up 2 minutes        k8s_POD_kube-scheduler-m
e_kube-system_d14ce008bee3a1f3bd7cf547688f9dfe_0
@minikube:~$ minikube ip
@minikube: command not found
@minikube:~$ ls
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lass: BestEffort
Selectors: <none>
ations: node.kubernetes.io/not-ready:NoExecute op=Exists for 300s
         node.kubernetes.io/unreachable:NoExecute op=Exists for 300s
s:
e Reason Age From Message
-----
mal Scheduled 19m default-scheduler Successfully assigned default/my-pod to minikube
mal Pulling 19m kubelet Pulling image "nginx"
mal Pulled 18m kubelet Successfully pulled image "nginx" in 15.353s (15.353s including waiting). Image size: 192004242 by
mal Created 18m kubelet Created container: my-pod
mal Started 18m kubelet Started container my-pod
ndhu2645@LAPTOP-1TVBN2B:~$ kubectl exec -it my-pod -- /bin/bash
my-pod:/# ls
boot dev docker-entrypoint.d docker-entrypoint.sh etc home lib lib64 media mnt opt proc root run sbin srv sys tmp usr va
my-pod:/# exit

ndhu2645@LAPTOP-1TVBN2B:~$ ls
nsfile devops_main docker-compose.yml
ndhu2645@LAPTOP-1TVBN2B:~$ kubectl get pod
NAME READY STATUS RESTARTS AGE
d 1/1 Running 0 51m
ndhu2645@LAPTOP-1TVBN2B:~$ sudo nano pod.yml
] password for ndhu2645:
ndhu2645@LAPTOP-1TVBN2B:~$ kubectl apply -f pod.yml
my-app created
ndhu2645@LAPTOP-1TVBN2B:~$ kubectl get pod
NAME READY STATUS RESTARTS AGE
p 0/1 ContainerCreating 0 16s
d 1/1 Running 0 56m
ndhu2645@LAPTOP-1TVBN2B:~$ kubectl delete pod my-pod
my-pod deleted
ndhu2645@LAPTOP-1TVBN2B:~$ kubectl get pod
NAME READY STATUS RESTARTS AGE
p 1/1 Running 0 6m9s
ndhu2645@LAPTOP-1TVBN2B:~$ |

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ndhu2645@LAPTOP-1TVBN2B:~$ kubectl describe pod my-pod
Name: my-pod
Namespace: default
Priority: 0
Service Account: default
IP Address: minikube/192.168.49.2
Creation Time: Thu, 20 Mar 2025 04:38:17 +0000
Labels: run=my-pod
Annotations: <none>
Status: Running
IP: 10.244.0.4
Containers:
  my-pod:
    Container ID: docker://99d759f5901e5ca254ea7aad4f7aeaab4a8ef2b072f5f2a836f8e00dff1743e0
    Image: nginx
    Image ID: docker-pullable://nginx@sha256:124b44bfc9ccd1f3cedf4b592d4d1e8bddb78b51ec2ed5056c52d3692baebc19
    Port: 80/TCP
    Host Port: 0/TCP
    State: Running
      Started: Thu, 20 Mar 2025 04:38:33 +0000
    Ready: True
    Restart Count: 0
    Environment: <none>
    Mounts:
      /var/run/secrets/kubernetes.io/serviceaccount from kube-api-access-b8ckm (ro)
Conditions:
  Type Status
  ReadyToStartContainers True
  Initialized True
  Ready True
  ContainersReady True
  Scheduled True
Volumes:
  kube-api-access-b8ckm:
    Type: Projected (a volume that contains injected data from multiple sources)
    TokenExpirationSeconds: 3607

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2645@LAPTOP-1TVBND2B:~$ minikube start
minikube v1.35.0 on Ubuntu 24.04 (amd64)
Using the docker driver based on existing profile
Starting "minikube" primary control-plane node in "minikube" cluster
Pulling base image v0.0.46 ...
Restarting existing docker container for "minikube" ...
Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...
Verifying Kubernetes components...
Using image gcr.io/k8s-minikube/storage-provisioner:v5
Enabled addons: storage-provisioner, default-storageclass
One! kubectrl is now configured to use "minikube" cluster and "default" namespace by default
2645@LAPTOP-1TVBND2B:~$ kubectrl get pod
No resources found in default namespace.
2645@LAPTOP-1TVBND2B:~$ kubectrl run my-pod --image=nginx --port=80
my-pod created
2645@LAPTOP-1TVBND2B:~$ kubectrl get node
      STATUS   ROLES    AGE     VERSION
minikube Ready   control-plane 20h    v1.32.0
2645@LAPTOP-1TVBND2B:~$ kubectrl get pod
      READY   STATUS    RESTARTS   AGE
minikube 1/1     Running    0          98s
2645@LAPTOP-1TVBND2B:~$ kubectrl node -o wide
Error: unknown command "node" for "kubectrl"
2645@LAPTOP-1TVBND2B:~$ kubectrl Node -o wide
Error: unknown command "Node" for "kubectrl"
2645@LAPTOP-1TVBND2B:~$ kubectrl get node -o wide
      STATUS   ROLES    AGE     VERSION   INTERNAL-IP   EXTERNAL-IP   OS-IMAGE           KERNEL-VERSION   CONTAINER-RUNTIME
minikube Ready   control-plane 20h    v1.32.0   192.168.49.2   <none>        Ubuntu 22.04.5 LTS  5.15.146.1-microsoft-standard-WSL2  dockerd
27.4.1
2645@LAPTOP-1TVBND2B:~$ kubectrl get pod -o wide
      READY   STATUS    RESTARTS   AGE   IP            NODE       NOMINATED NODE   READINESS GATES
minikube 1/1     Running    0          4m7s  10.244.0.4    minikube   <none>            <none>
2645@LAPTOP-1TVBND2B:~$ kubectrl logs my-pod
docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf

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2645@LAPTOP-1TVBND2B:~$ kubectrl scale deploy my-deploy --replicas=1
deployment.apps/my-deploy scaled
2645@LAPTOP-1TVBND2B:~$ kubectrl get pod
      READY   STATUS    RESTARTS   AGE
my-deploy-56fc498498-s814h 0/1     ImagePullBackOff 0       7m44s
my-deploy-bq7hb 1/1     Running 1 (20m ago) 149m
my-deploy-lwrk5 1/1     Running 1 (20m ago) 149m
my-deploy-rjvbb 1/1     Running 1 (20m ago) 147m
my-deploy-rr4sl 1/1     Running 1 (20m ago) 149m
my-deploy-8657bfdcf7-2b5mm 1/1     Running 0          10m
2645@LAPTOP-1TVBND2B:~$ kubectrl delete deploy my-deploy
deployment.apps "my-deploy" deleted
2645@LAPTOP-1TVBND2B:~$ kubectrl get pod
      READY   STATUS    RESTARTS   AGE
my-deploy-bq7hb 1/1     Running 1 (20m ago) 149m
my-deploy-lwrk5 1/1     Running 1 (20m ago) 149m
my-deploy-rjvbb 1/1     Running 1 (20m ago) 148m
my-deploy-rr4sl 1/1     Running 1 (20m ago) 149m
my-deploy-8657bfdcf7-2b5mm 1/1     Running 0          11m
2645@LAPTOP-1TVBND2B:~$ kubectrl delete rs all --all
Error: name cannot be provided when a selector is specified
2645@LAPTOP-1TVBND2B:~$ kubectrl delete rs-test all --all
Error: name cannot be provided when a selector is specified
2645@LAPTOP-1TVBND2B:~$ kubectrl delete all --all
my-rs-bq7hb" deleted
my-rs-lwrk5" deleted
my-rs-rjvbb" deleted
my-rs-rr4sl" deleted
webapp-8657bfdcf7-2b5mm" deleted
Error: "kubernetes" deleted
deployment.apps "webapp" deleted
deployment.apps "my-rs" deleted
2645@LAPTOP-1TVBND2B:~$ kubectrl get pod
No resources found in default namespace.
2645@LAPTOP-1TVBND2B:~$

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