

```

tlxp@ip-172-31-38-229:~$ curl -LO https://storage.googleapis.com/minikube/releases/latest/minikube
% Total    % Received % Xferd Average Speed   Time    Time     Time  Current
           Dload  Upload   Total   Spent    Left     Speed
100 195 100 195    0     0  599      0 --:--:-- --:--:-- --:--:--  598
tlxp@ip-172-31-38-229:~$ sudo install minikube-linux-amd64 /usr/local/bin/minikube
tlxp@ip-172-31-38-229:~$ minikube version
minikube version: v1.37.0
commit: 65318f4cfff9c12cc87ec9eb8f4cdd57b25047f3
tlxp@ip-172-31-38-229:~$ minikube start --driver=docker
🐳 minikube v1.37.0 on Ubuntu 22.04 (xen/amd64)
🔧 Using the docker driver based on user configuration

🚨 The requested memory allocation of 3072MiB does not leave room for system overhead (total system memory: 3912MiB). You may face stability issues.
💡 Suggestion: Start minikube with less memory allocated: 'minikube start --memory=3072mb'

🌟 Using Docker driver with root privileges
🔥 Starting "minikube" primary control-plane node in "minikube" cluster
📡 Pulling base image v0.0.48 ...
📦 Downloading Kubernetes v1.34.0 preload ...
   > gcr.io/k8s-minikube/kicbase...: 488.51 MiB / 488.52 MiB 100.00% 24.23 M
   > preloaded-images-k8s-v18-v1...: 337.07 MiB / 337.07 MiB 100.00% 14.97 M
🔥 Creating docker container (CPUs=2, Memory=3072MB) ...
📦 Preparing Kubernetes v1.34.0 on Docker 28.4.0 ...
🔗 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
tlxp@ip-172-31-38-229:~$ kubectl get pods
No resources found in default namespace.
tlxp@ip-172-31-38-229:~$ kubectl get nodes
NAME          STATUS    ROLES    AGE   VERSION
minikube      Ready    control-plane  39s   v1.34.0
tlxp@ip-172-31-38-229:~$ kubectl get pods
No resources found in default namespace.
tlxp@ip-172-31-38-229:~$

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Week 7 - Cloud Native - Docker & X

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NAME      STATUS    ROLES    AGE     VERSION
minikube  Ready     control-plane 39s    v1.34.0
tlxp@ip-172-31-38-229:~$ kubectl get pods
No resources found in default namespace.
tlxp@ip-172-31-38-229:~$ kubectl get pods --all-namespaces kubectl get pods -A
error: a resource cannot be retrieved by name across all namespaces
tlxp@ip-172-31-38-229:~$ kubectl get pods --all-namespaces kubectl get
error: a resource cannot be retrieved by name across all namespaces
tlxp@ip-172-31-38-229:~$ kubectl get pods --all-namespaces
NAMESPACE   NAME                                     READY   STATUS    RESTARTS   AGE
kube-system  coredns-66bc5c9577-62lmf               1/1     Running   0           4m19s
kube-system  etcd-minikube                           1/1     Running   0           4m25s
kube-system  kube-apiserver-minikube                 1/1     Running   0           4m25s
kube-system  kube-controller-manager-minikube        1/1     Running   0           4m26s
kube-system  kube-proxy-2dr6q                        1/1     Running   0           4m19s
kube-system  kube-scheduler-minikube                 1/1     Running   0           4m24s
kube-system  storage-provisioner                     1/1     Running   1 (3m49s ago) 4m22s
tlxp@ip-172-31-38-229:~$ kubectl get pods -A
NAMESPACE   NAME                                     READY   STATUS    RESTARTS   AGE
kube-system  coredns-66bc5c9577-62lmf               1/1     Running   0           4m37s
kube-system  etcd-minikube                           1/1     Running   0           4m43s
kube-system  kube-apiserver-minikube                 1/1     Running   0           4m43s
kube-system  kube-controller-manager-minikube        1/1     Running   0           4m44s
kube-system  kube-proxy-2dr6q                        1/1     Running   0           4m37s
kube-system  kube-scheduler-minikube                 1/1     Running   0           4m42s
kube-system  storage-provisioner                     1/1     Running   1 (4m7s ago) 4m40s
tlxp@ip-172-31-38-229:~$ pods -o wide --all-namespaces
Command 'pods' not found, but can be installed with:
sudo apt install pmtools
tlxp@ip-172-31-38-229:~$ kubectl get pods -o wide --all-namespaces
NAMESPACE   NAME                                     READY   STATUS    RESTARTS   AGE   IP           NODE     NOMINATED NODE   READINESS GATES
kube-system  coredns-66bc5c9577-62lmf               1/1     Running   0           6m48s  10.244.0.2   minikube  <none>            <none>
kube-system  etcd-minikube                           1/1     Running   0           6m54s  192.168.49.2 minikube  <none>            <none>
kube-system  kube-apiserver-minikube                 1/1     Running   0           6m54s  192.168.49.2 minikube  <none>            <none>
kube-system  kube-controller-manager-minikube        1/1     Running   0           6m55s  192.168.49.2 minikube  <none>            <none>
kube-system  kube-proxy-2dr6q                        1/1     Running   0           6m48s  192.168.49.2 minikube  <none>            <none>
kube-system  kube-scheduler-minikube                 1/1     Running   0           6m53s  192.168.49.2 minikube  <none>            <none>
kube-system  storage-provisioner                     1/1     Running   1 (6m18s ago) 6m51s  192.168.49.2 minikube  <none>            <none>
tlxp@ip-172-31-38-229:~$ alias k=kubectl
tlxp@ip-172-31-38-229:~$
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Week 7 - Cloud Native - Docker & Kubernetes

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```
tlxp@ip-172-31-38-229:~$ cat ~/yaml_files/my-5gc-pod.yaml
apiVersion: v1
kind: Pod
metadata:
  name: my-5gc-pod
  labels:
    app: my-5gc
spec:
  containers:
  - name: my-5gc-container
    image: nginx:latest
    ports:
      - containerPort: 80
tlxp@ip-172-31-38-229:~$ kubectl apply -f ~/yaml_files/my-5gc-pod.yaml
pod/my-5gc-pod created
tlxp@ip-172-31-38-229:~$ kubectl get pods
NAME          READY   STATUS    RESTARTS   AGE
my-5gc-pod    1/1     Running   0           12s
tlxp@ip-172-31-38-229:~$ kubectl describe pod my-5gc-pod
Name:          my-5gc-pod
Namespace:     default
Priority:       0
Service Account: default
Node:          minikube/192.168.49.2
Start Time:    Wed, 31 Dec 2025 06:18:01 +0000
Labels:        app=my-5gc
Annotations:   <none>
Status:        Running
IP:            10.244.0.3
IPs:
  IP: 10.244.0.3
Containers:
  my-5gc-container:
    Container ID:  docker://782a3224a947dcc37facda2d5190a2425fc797d157f3bea3bcafadea54526c98
    Image:          nginx:latest
    Image ID:       docker-pullable://nginx@sha256:ca871a86d45a3ec6864dc45f014b11fe626145569ef0e74deaffc95a3b15b430
    Port:           80/TCP
    Host Port:      0/TCP
    State:          Running
      Started:      Wed, 31 Dec 2025 06:18:11 +0000
    Ready:          True
    Restart Count:  0
```

kubectl apply -f ~/yaml\_files/my-5gc-pod.yaml

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my-5gc-container:  
Container ID: docker://782a3224a947dcc37facda2d5190a2425fc797d157f3bea3bcafadea54526c98  
Image: nginx:latest  
Image ID: docker-pullable://nginx@sha256:ca871a86d45a3ec6864dc45f014b11fe626145569ef0e74deaffc95a3b15b430  
Port: 80/TCP  
Host Port: 0/TCP  
State: Running  
Started: Wed, 31 Dec 2025 06:18:11 +0000  
Ready: True  
Restart Count: 0  
Environment: <none>  
Mounts:  
/var/run/secrets/kubernetes.io/serviceaccount from kube-api-access-9mzx1 (ro)  
Conditions:  
Type Status  
PodReadyToStartContainers True  
Initialized True  
Ready True  
ContainersReady True  
PodScheduled True  
Volumes:  
kube-api-access-9mzx1:  
Type: Projected (a volume that contains injected data from multiple sources)  
TokenExpirationSeconds: 3607  
ConfigMapName: kube-root-ca.crt  
Optional: false  
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  
-----  
Normal Scheduled 26s default-scheduler Successfully assigned default/my-5gc-pod to minikube  
Normal Pulling 26s kubelet spec.containers{my-5gc-container}: Pulling image "nginx:latest"  
Normal Pulled 18s kubelet spec.containers{my-5gc-container}: Successfully pulled image "nginx:latest" in 7.945s (7.945s including waiting). Image size: 151914258 bytes  
Normal Created 16s kubelet spec.containers{my-5gc-container}: Created container: my-5gc-container  
Normal Started 16s kubelet spec.containers{my-5gc-container}: Started container my-5gc-container  
tlxp@ip-172-31-38-229:~\$

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command terminated with exit code 128
tlxp@ip-172-31-38-229:~$ kubectl exec -it my-5gc-pod -- /bin/bash
root@my-5gc-pod:/# hostname
my-5gc-pod
root@my-5gc-pod:/# exit
exit
tlxp@ip-172-31-38-229:~$
```

```

tlxp@ip-172-31-38-229:~$ kubectl get pod my-5gc-pod
NAME          READY   STATUS    RESTARTS   AGE
my-5gc-pod    1/1     Running   0           9m46s
tlxp@ip-172-31-38-229:~$ kubectl expose pod my-5gc-pod --type=ClusterIP --port=80 --target-port=80 --name=my5gc-svc-clusterip
service/my5gc-svc-clusterip exposed
tlxp@ip-172-31-38-229:~$ kubectl get svc
NAME          TYPE          CLUSTER-IP    EXTERNAL-IP  PORT(S)    AGE
kubernetes    ClusterIP     10.96.0.1     <none>       443/TCP    19m
my5gc-svc-clusterip  ClusterIP     10.101.224.211 <none>       80/TCP     14s
tlxp@ip-172-31-38-229:~$ kubectl expose pod my-5gc-pod --type=NodePort --port=80 --target-port=80 --name=my5gc-svc-nodeport
service/my5gc-svc-nodeport exposed
tlxp@ip-172-31-38-229:~$ kubectl get svc my-5gc-svc-nodeport
Error from server (NotFound): services "my-5gc-svc-nodeport" not found
tlxp@ip-172-31-38-229:~$ kubectl get svc
NAME          TYPE          CLUSTER-IP    EXTERNAL-IP  PORT(S)    AGE
kubernetes    ClusterIP     10.96.0.1     <none>       443/TCP    20m
my5gc-svc-clusterip  ClusterIP     10.101.224.211 <none>       80/TCP     68s
my5gc-svc-nodeport   NodePort      10.97.149.14   <none>       80:31674/TCP 29s
tlxp@ip-172-31-38-229:~$ kubectl expose pod my-5gc-pod --type=LoadBalancer --port=80 --target-port=80 --name=my-5gc-svc-lb
Error from server (NotFound): namespaces "ame=my-5gc-svc-lb" not found
tlxp@ip-172-31-38-229:~$ kubectl get svc my-5gc-svc-nodeport
Error from server (NotFound): services "my-5gc-svc-nodeport" not found
tlxp@ip-172-31-38-229:~$ kubectl get pod my-5gc-pod
NAME          READY   STATUS    RESTARTS   AGE
my-5gc-pod    1/1     Running   0           22m
tlxp@ip-172-31-38-229:~$ kubectl expose pod my-5gc-pod --type=ClusterIP --port=80 --target-port=80 --name=my5gc-svc-clusterip
Error from server (AlreadyExists): services "my5gc-svc-clusterip" already exists
tlxp@ip-172-31-38-229:~$ kubectl get svc
NAME          TYPE          CLUSTER-IP    EXTERNAL-IP  PORT(S)    AGE
kubernetes    ClusterIP     10.96.0.1     <none>       443/TCP    31m
my5gc-svc-clusterip  ClusterIP     10.101.224.211 <none>       80/TCP     12m
my5gc-svc-nodeport   NodePort      10.97.149.14   <none>       80:31674/TCP 11m

```

```
tlxp@ip-172-31-38-229:~$ kubectl expose pod my-5gc-pod --type=LoadBalancer --port=80 --target-port=80 --name=my-5gc-svc-lb
service/my-5gc-svc-lb exposed
tlxp@ip-172-31-38-229:~$ kubectl get svc my-5gc-svc-lb
```

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
my-5gc-svc-lb	LoadBalancer	10.97.239.37	<pending>	80:30362/TCP	17s

```
tlxp@ip-172-31-38-229:~$
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tlxp@ip-172-31-38-229:~$ kubectl apply -f ~/yaml_files/my-5gc-deployment.yaml
deployment.apps/my-5gc-deployment created
tlxp@ip-172-31-38-229:~$ kubectl apply -f ~/yaml_files/my-5gc-replicaset.yaml
replicaset.apps/my-5gc-rs created
tlxp@ip-172-31-38-229:~$ kubectl get replicaset
NAME          DESIRED   CURRENT   READY   AGE
my-5gc-rs     3         3         3       37s
tlxp@ip-172-31-38-229:~$ kubectl delete -f my-5gc-replicaset.yaml
error: the path "my-5gc-replicaset.yaml" does not exist
tlxp@ip-172-31-38-229:~$ kubectl delete -f ~/yaml_files/my-5gc-replicaset.yaml
replicaset.apps "my-5gc-rs" deleted from default namespace
tlxp@ip-172-31-38-229:~$ kubectl get pods
No resources found in default namespace.
tlxp@ip-172-31-38-229:~$ kubectl get replicaset
No resources found in default namespace.
tlxp@ip-172-31-38-229:~$ kubectl apply -f ~/yaml_files/my-5gc-deployment.yaml
deployment.apps/my-5gc-deployment created
tlxp@ip-172-31-38-229:~$ kubectl get deployments
NAME          READY   UP-TO-DATE   AVAILABLE   AGE
my-5gc-deployment  3/3     3            3           21s
tlxp@ip-172-31-38-229:~$ kubectl get ReplicaSet
NAME          DESIRED   CURRENT   READY   AGE
my-5gc-deployment-6d6cf88fd  3         3         3       39s
tlxp@ip-172-31-38-229:~$ kubectl get pods -l app=my-5gc
NAME          READY   STATUS    RESTARTS   AGE
my-5gc-deployment-6d6cf88fd-m9pd4  1/1     Running   0           60s
my-5gc-deployment-6d6cf88fd-pqzsl  1/1     Running   0           60s
my-5gc-deployment-6d6cf88fd-vhblw  1/1     Running   0           60s
tlxp@ip-172-31-38-229:~$ █

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tlxp@ip-172-31-38-229:~$ kubectl scale deployment my-5gc-deployment --replicas=6
```

```
deployment.apps/my-5gc-deployment scaled
```

```
tlxp@ip-172-31-38-229:~$ kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
my-5gc-deployment-6d6cf88fd-8rt5b	1/1	Running	0	17s
my-5gc-deployment-6d6cf88fd-g8h9p	1/1	Running	0	17s
my-5gc-deployment-6d6cf88fd-kcxhn	1/1	Running	0	17s
my-5gc-deployment-6d6cf88fd-m9pd4	1/1	Running	0	8m52s
my-5gc-deployment-6d6cf88fd-pqzsl	1/1	Running	0	8m52s
my-5gc-deployment-6d6cf88fd-vhblw	1/1	Running	0	8m52s

```
tlxp@ip-172-31-38-229:~$ kubectl get deployment my-5gc-deployment
```

NAME	READY	UP-TO-DATE	AVAILABLE	AGE
my-5gc-deployment	6/6	6	6	9m28s

```
tlxp@ip-172-31-38-229:~$ kubectl delete deployment my-5gc-deployment
```

```
deployment.apps "my-5gc-deployment" deleted from default namespace
```

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tlxp@ip-172-31-38-229:~$
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tlxp@ip-172-31-38-229:~\$ nano nginx-deployment.yaml  
tlxp@ip-172-31-38-229:~\$ nano nginx-deployment.yaml  
tlxp@ip-172-31-38-229:~\$ kubectl apply -f nginx-deployment.yaml  
deployment.apps/nginx-deploy created  
tlxp@ip-172-31-38-229:~\$ kubectl get pods -l app=nginx  
NAME READY STATUS RESTARTS AGE  
nginx-deploy-77bf8679f9-nl7x1 1/1 Running 0 41s  
nginx-deploy-77bf8679f9-v5t7t 1/1 Running 0 41s  
tlxp@ip-172-31-38-229:~\$ kubectl expose deployment nginx-deploy \ --port=80 \ --target-port=80 \ --type=ClusterIP \ --name=nginx-service  
service/nginx-deploy exposed  
Error from server (NotFound): deployments.apps " --port=80" not found  
Error from server (NotFound): deployments.apps " --target-port=80" not found  
Error from server (NotFound): deployments.apps " --name=nginx-service" not found  
tlxp@ip-172-31-38-229:~\$ kubectl expose deployment nginx-deploy --port=80 --target-port=80 --type=ClusterIP --name=nginx-service  
service/nginx-service exposed  
tlxp@ip-172-31-38-229:~\$ kubectl get svc nginx-service  
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE  
nginx-service ClusterIP 10.109.100.27 <none> 80/TCP 20s  
tlxp@ip-172-31-38-229:~\$ kubectl run tester --image=busybox --restart=Never -it --rm --command -- sh  
pod "tester" deleted from default namespace  
pod default/tester terminated (ContainerCannotRun)  
failed to create task for container: failed to create shim task: OCI runtime create failed: runc create failed: unable to start container process: error during container init: exec: "--":  
executable file not found in \$PATH: unknown  
tlxp@ip-172-31-38-229:~\$ kubectl run tester --image=busybox --restart=Never -it --rm --command -- sh  
pod "tester" deleted from default namespace  
pod default/tester terminated (ContainerCannotRun)  
failed to create task for container: failed to create shim task: OCI runtime create failed: runc create failed: unable to start container process: error during container init: exec: "--":  
executable file not found in \$PATH: unknown  
tlxp@ip-172-31-38-229:~\$ kubectl run tester --image=busybox --restart=Never -it --rm  
Error from server (AlreadyExists): pods "tester" already exists  
tlxp@ip-172-31-38-229:~\$ kubectl run tester \ --image=busybox:1.35 \ --restart=Never \ -it --rm  
Error from server (AlreadyExists): pods "tester" already exists  
tlxp@ip-172-31-38-229:~\$ kubectl delete pod tester  
pod "tester" deleted from default namespace

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tlxp@ip-172-31-38-229: ~ | login | X

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tlxp@ip-172-31-38-229:~\$ nano nginx-deployment.yaml  
tlxp@ip-172-31-38-229:~\$ nano nginx-deployment.yaml  
tlxp@ip-172-31-38-229:~\$ kubectl apply -f nginx-deployment.yaml  
deployment.apps/nginx-deploy created  
tlxp@ip-172-31-38-229:~\$ kubectl get pods -l app=nginx  
NAME READY STATUS RESTARTS AGE  
nginx-deploy-77bf8679f9-nl7x1 1/1 Running 0 41s  
nginx-deploy-77bf8679f9-v5t7t 1/1 Running 0 41s  
tlxp@ip-172-31-38-229:~\$ kubectl expose deployment nginx-deploy \ --port=80 \ --target-port=80 \ --type=ClusterIP \ --name=nginx-service  
service/nginx-deploy exposed  
Error from server (NotFound): deployments.apps " --port=80" not found  
Error from server (NotFound): deployments.apps " --target-port=80" not found  
Error from server (NotFound): deployments.apps " --name=nginx-service" not found  
tlxp@ip-172-31-38-229:~\$ kubectl expose deployment nginx-deploy --port=80 --target-port=80 --type=ClusterIP --name=nginx-service  
service/nginx-service exposed  
tlxp@ip-172-31-38-229:~\$ kubectl get svc nginx-service  
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE  
nginx-service ClusterIP 10.109.100.27 <none> 80/TCP 20s  
tlxp@ip-172-31-38-229:~\$ kubectl run tester --image=busybox --restart=Never -it --rm --command -- sh  
pod "tester" deleted from default namespace  
pod default/tester terminated (ContainerCannotRun)  
failed to create task for container: failed to create shim task: OCI runtime create failed: runc create failed: unable to start container process: error during container init: exec: "--":  
executable file not found in \$PATH: unknown  
tlxp@ip-172-31-38-229:~\$ kubectl run tester --image=busybox --restart=Never -it --rm --command -- sh  
pod "tester" deleted from default namespace  
pod default/tester terminated (ContainerCannotRun)  
failed to create task for container: failed to create shim task: OCI runtime create failed: runc create failed: unable to start container process: error during container init: exec: "--":  
executable file not found in \$PATH: unknown  
tlxp@ip-172-31-38-229:~\$ kubectl run tester --image=busybox --restart=Never -it --rm  
Error from server (AlreadyExists): pods "tester" already exists  
tlxp@ip-172-31-38-229:~\$ kubectl run tester \ --image=busybox:1.35 \ --restart=Never \ -it --rm  
Error from server (AlreadyExists): pods "tester" already exists  
tlxp@ip-172-31-38-229:~\$ kubectl delete pod tester  
pod "tester" deleted from default namespace

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```
ttxp@ip-172-31-38-229:~$ cat ~/yaml_files/my-5gc-configmap.yaml
apiVersion: v1
kind: ConfigMap
metadata:
  name: my-5gc-config
data:
  APP_ENV: production
  LOG_LEVEL: debug
ttxp@ip-172-31-38-229:~$ kubectl apply -f my-5gc-configmap.yaml
error: the path "my-5gc-configmap.yaml" does not exist
ttxp@ip-172-31-38-229:~$ kubectl apply -f ~/yaml_files/my-5gc-configmap.yaml
configmap/my-5gc-config created
ttxp@ip-172-31-38-229:~$ kubectl get configmap my-5gc-config -o yaml
apiVersion: v1
data:
  APP_ENV: production
  LOG_LEVEL: debug
kind: ConfigMap
metadata:
  annotations:
    kubectl.kubernetes.io/last-applied-configuration: |
      {"apiVersion":"v1","data":{"APP_ENV":"production","LOG_LEVEL":"debug"},"kind":"ConfigMap","metadata":{"annotations":{},"name":"my-5gc-config","namespace":"default"}}
  creationTimestamp: "2025-12-31T08:12:13Z"
  name: my-5gc-config
  namespace: default
  resourceVersion: "6678"
  uid: cb5196c5-9d15-446e-9a7e-eca845c63324
ttxp@ip-172-31-38-229:~$ Cat ~/yaml_files/my-5gc-secret.yaml
Command 'Cat' not found, did you mean:
command 'at' from deb at (3.2.5-1ubuntu1)
command 'bat' from deb bacula-console-qt (9.6.7-5~22.04.1)
command 'pat' from deb dist (1:3.5-236-1)
command 'iat' from deb iat (0.1.3-7build1)
command 'dat' from deb liballegro4-dev (2:4.4.3.1-2)
command 'cat' from deb coreutils (8.32-4.1ubuntu1.2)
Try: sudo apt install <deb name>
ttxp@ip-172-31-38-229:~$ cat ~/yaml_files/my-5gc-secret.yaml
apiVersion: v1
kind: Secret
metadata:
  name: my-5gc-secret
type: Opaque
```

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```
Week 7 - Cloud Native - Docker & X tlxp@ip-172-31-38-229: ~ | login ( X Week 7 - Handson labs.pdf X + - o X
```

← ↻ ⚠ Not secure 13.200.249.161:8080 🔍 ☆ ⚙️ ⚡ ⚙️ 👤 ... Chat

```
creationTimestamp: "2025-12-31T08:12:13Z"
name: my-5gc-config
namespace: default
resourceVersion: "6678"
uid: cb5196c5-9d15-446e-9a7e-eca845c63324
tlxp@ip-172-31-38-229:~$ cat ~/yaml_files/my-5gc-secret.yaml
Command 'cat' not found, did you mean:
  command 'at' from deb at (3.2.5-1ubuntu1)
  command 'bat' from deb bacula-console-qt (9.6.7-5~22.04.1)
  command 'pat' from deb dist (1:3.5-236-1)
  command 'iat' from deb iat (0.1.3-7build1)
  command 'dat' from deb liballegro4-dev (2:4.4.3.1-2)
  command 'cat' from deb coreutils (8.32-4.1ubuntu1.2)
Try: sudo apt install <deb name>
tlxp@ip-172-31-38-229:~$ cat ~/yaml_files/my-5gc-secret.yaml
apiVersion: v1
kind: Secret
metadata:
  name: my-5gc-secret
type: Opaque
data:
  DB_PASSWORD: cGFzc3dvcmQxMjM= # base64 encoded 'password123'
tlxp@ip-172-31-38-229:~$ kubectl apply -f my-5gc-secret.yaml
tlxp@ip-172-31-38-229:~$ kubectl apply -f ~/yaml_files/my-5gc-secret.yaml
secret/my-5gc-secret created
tlxp@ip-172-31-38-229:~$ kubectl get secret my-5gc-secret -o yaml
apiVersion: v1
data:
  DB_PASSWORD: cGFzc3dvcmQxMjM=
kind: Secret
metadata:
  annotations:
    kubectl.kubernetes.io/last-applied-configuration: |
      {"apiVersion":"v1","data":{"DB_PASSWORD":"cGFzc3dvcmQxMjM="},"kind":"Secret","metadata":{"annotations":{},"name":"my-5gc-secret","namespace":"default"},"type":"Opaque"}
  creationTimestamp: "2025-12-31T08:14:49Z"
  name: my-5gc-secret
  namespace: default
  resourceVersion: "6805"
  uid: 4efbe886-df04-4ea1-a907-96c9e582348f
type: Opaque
tlxp@ip-172-31-38-229:~$
```

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