

KUBERNETES CHEAT SHEET

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Configuration of POD

Let's start with pods. Here is the YAML for a basic busybox pod:

```
apiVersion: v1
kind: Pod
metadata:
  name: busybox
spec:
  containers:
  - image: busybox:1.28.4
    command:
    - sleep
    - "3600"
  name: busybox
  restartPolicy: Always
```

Learn more about YAML [here](#).

Create the pod with this command:

```
kubectl create -f busybox.yaml
```

Use this command to create a deployment:

```
kubectl run nginx --image=nginx
```

Use this command to create a service from the deployment above:

```
kubectl expose deployment nginx --port=80 --type=NodePort
```

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Here is the YAML for a simple persistent volume using local storage from the node:

```
apiVersion: v1
kind: PersistentVolume
metadata:
  name: data-pv
  namespace: web
spec:
  storageClassName: local-storage
  capacity:
    storage: 1Gi
  accessModes:
    - ReadWriteOnce
  hostPath:
    path: /mnt/data
```

Use the following command to create the persistent volume:

```
kubectl apply -f my-pv.yaml
```

Here is the YAML for a simple ConfigMap:

```
apiVersion: v1
kind: ConfigMap
metadata:
  name: my-config-map
data:
  myKey: myValue
  anotherKey: anotherValue
```

Use the following command to create the ConfigMap:

```
kubectl apply -f configmap.yaml
```

Here is the YAML for a secret:

```
apiVersion: v1
kind: Secret
metadata:
  name: my-secret
stringData:
  myKey: myPassword
```

Use this command to create the secret:

```
kubectl apply -f secret.yaml
```

Here is the YAML for a service account:

```
apiVersion: v1
kind: ServiceAccount
metadata:
  name: acr
  namespace: default
secrets:
  - name: acr
```

Use this command to create the service account:

```
kubectl apply -f serviceaccount.yaml
```

CHEAT SHEET

link:https://linuxacademy.com/site-content/uploads/2019/04/Kubernetes-Cheat-Sheet_07182019.pdf?x96242[Cheat Sheet]

TUTO

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