

Kubernetes Cheatsheet

Pod Commands:-

- **kubectrl get pod** : Get pod
- **kubectrl get pod -o wide** : Get pod wide information
- **kubectrl get pod -w** : Get pod with watch
- **kubectrl get pod -o yaml** : Get pod in yaml
- **kubectrl edit pod <pod_name>** : Edit pod
- **kubectrl describe pod <pod_name>** : Describe pod
- **kubectrl delete pod <pod_name>** : Delete pod
- **kubectrl logs pod <pod_name>** : Logs of the pod
- **kubectrl exec -it pod <pod_name> /bin/bash** :
Execute into pod

Node Commands:-

- **kubectrl describe node <node_name>** : Describe node
- **kubectrl get node <node_name> -o yaml**: Get node in
yaml
- **kubectrl get node <node_name>** : Get node
- **kubectrl drain node <node_name>** : Drain node
- **kubectrl cordon node <node_name>** : Cordon node
- **kubectrl uncordon node <node_name>** : Uncordon node

Creating Objects:-

- **kubectl apply -f <file_name> yaml** : Create resource
- **kubectl apply -f <file_name>.yaml -f <file_name>.yaml** : Create from multiple files
- **kubectl apply -f ./ <directory_name>** : Create all files in directory
- **kubectl apply -f https:// <url>** : Create from url
- **kubectl run <pod_name> --image<image_name>** : Create pod
- **kubectl run <pod_name>-image <image_name> --port <port> --expose** :
Create pod, then expose it as service
- **kubectl run <pod_name> --image=<image_name> -dry-run=client -o yaml > <file_name>.yaml** :
Create Pod YAML File
- **kubectl create deployment <deployment_name> -image=<image_name>** : Create Deployment
- **kubectl create deployment <deployment_name> -image=<image_name> --dry-run=client -o yaml > <file_name>.yaml** : Create Deployment YAML File
- **kubectl create service <service-type> <service_name> --tcp=<port:target_port>** :
Create Service

- **kubectl create service <service-type> <service_name> --tcp=<port:target_port> --dry-run=client -o yaml > <file_name>.yaml :** Create Service YAML File
- **kubectl expose deployment <pod/deployment_name> --type=<service-type> --port=<port> --target-port=<target_port> :**
Expose Service from Pod/Deployment
- **kubectl create configmap <configmap_name> --from-literal=<key>=<value> --from-literal=<key>=<value> :** Create ConfigMap from Key-Value Pairs
- **kubectl create configmap <configmap_name> --from-file=<file_name> :** Create ConfigMap from File
- **kubectl create configmap <configmap_name> --from-env-file=<file_name> :**
Create ConfigMap from Environment File
- **kubectl create secret generic <secret_name> --from-literal=<key>=<value> --from-literal=<key>=<value> :** Create Secret from Key-Value Pairs
- **kubectl create secret generic <secret_name> --from-file=<file_name> :** Create Secret from File

Monitoring Usage Commands:-

- **kubectl top node <node_name> :**
Get node cpu and memory utilization
- **kubectl top pods <pod_name> :**
Get pod cpu and memory utilization

Deployment Commands:-

- **kubectl get deployment <deployment_name> :**
Get Deployment
- **kubectl get deployment <deployment_name> -o yaml :**
Get Deployment in YAML Format
- **kubectl get deployment <deployment_name> -o wide :**
Get Deployment Wide Information
- **kubectl edit deployment <deployment_name> :** Edit Deployment
- **kubectl describe deployment <deployment_name> :** Describe Deployment
- **kubectl delete deployment <deployment_name> :** Delete Deployment
- **kubectl scale deployment <deployment_name> -- replicas=<replicas> :** Scale Deployment with Replicas

Service Commands:-

- **kubectl get service <service> :** Get Service
- **kubectl get service <service> -o yaml :**
Get Service in YAML Format
- **kubectl get service <service> -o wide :**
Get Service Wide Information
- **kubectl edit service <service> :** Edit Service
- **kubectl describe service <service> :** Describe Service
- **kubectl delete service <service> :** Delete Service

Ingress Commands:-

- **kubectl get ingress ;** Get Ingress
- **kubectl get ingress -o yaml :** Get Ingress in YAML Format
- **kubectl get ingress -o wide :** Get Ingress Wide Information
- **kubectl edit ingress <ingress_name> :** Edit Ingress
- **kubectl describe ingress <ingress_name> :**
Describe Ingress
- **kubectl delete ingress <ingress_name> :** Delete Ingress

Endpoints Commands:-

- **kubectl get endpoints <endpoints_name> :**
Get endpoints

DaemonSet Commands:-

- **kubectl get daemonset**
 <daemonset_name> : Get DaemonSet
- **kubectl get daemonset**
 <daemonset_name> -o yaml :
 Get DaemonSet in YAML Format
- **kubectl edit daemonset**
 <daemonset_name> : Edit DaemonSet
- **kubectl describe daemonset**
 <daemonset_name> : Describe DaemonSet
- **kubectl delete daemonset**
 <daemonset_name> : Delete DaemonSet

Job Commands:-

- **kubectl get job <job_name> :** Get Job
- **kubectl get job <job_name> -o yaml :** Get Job in YAML
 Format
- **kubectl edit job <job_name> :** Edit Job
- **kubectl describe job <job_name> :** Describe Job
- **kubectl delete job <job_name> :** Delete Job

Rollout Commands:-

- **kubectl rollout restart deployment**
<deployment_name> : Restart Deployment
- **kubectl rollout undo deployment**
<deployment_name> : Undo Deployment with the Latest Revision
- **kubectl rollout undo deployment**
<deployment_name> --to-revision=
<revision_number> : Undo Deployment with Specified Revision
- **kubectl rollout history deployment**
<deployment_name> : Get All Revisions of Deployment
- **kubectl rollout history deployment**
<deployment_name> --revision=
<revision_number> : Get Specified Revision of Deployment

Secret Commands:-

- **kubectl get secret <secret_name>** : Get Secret
- **kubectl describe secret <secret_name>** : Describe Secret
- **kubectl delete secret <secret_name>** : Delete Secret
- **kubectl edit secret <secret_name>** : Edit Secret

