Kubernetes Cheatsheet

Pod Commands:

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

Node Commands:

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

Creating objects:

- **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 -o yaml** : Get Deployment in YAML Format
- **kubectl get deployment -o wide** : Get Deployment Wide Information
- **kubectl edit deployment** :Edit Deployment
- **kubectl describe deployment** : 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