Kubernetes Cheatsheet

Pod Commands:-

- **kubectl get pod :** Get pod
- **kubectl get 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

- **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