

# Kubernetes CLI Commands Cheat Sheet

## Basic Commands

- Check cluster info: `kubectl cluster-info`
- Check node status: `kubectl get nodes`
- View all resources in default namespace: `kubectl get all`
- View all namespaces: `kubectl get namespaces`
- Set context to a specific namespace: `kubectl config set-context --current --namespace=<namespace>`

## Working with Pods

- List all pods: `kubectl get pods`
- Get pod details: `kubectl describe pod <pod-name>`
- View logs of a pod: `kubectl logs <pod-name>`
- Execute command inside a pod: `kubectl exec -it <pod-name> -- /bin/bash`
- Delete a pod: `kubectl delete pod <pod-name>`

## Deployments & Applications

- Create resources from a YAML file: `kubectl apply -f <filename>.yaml`
- Update deployment: `kubectl apply -f <deployment>.yaml`
- Get deployments: `kubectl get deployments`
- Scale a deployment: `kubectl scale deployment <name> --replicas=3`
- Delete deployment: `kubectl delete deployment <name>`

## YAML File Operations

- View a resource in YAML format: `kubectl get <resource> <name> -o yaml`
- Edit a resource: `kubectl edit <resource> <name>`
- Export resource YAML (deprecated): `kubectl get <resource> <name> -o yaml --export >`

myfile.yaml

## Services and Networking

- Get services: `kubectl get svc`
- Describe a service: `kubectl describe svc <service-name>`
- Port forward a service: `kubectl port-forward svc/<service-name> <local-port>:<service-port>`

## ConfigMaps & Secrets

- List ConfigMaps: `kubectl get configmaps`
- View ConfigMap details: `kubectl describe configmap <name>`
- List Secrets: `kubectl get secrets`
- View Secret (base64 encoded): `kubectl get secret <name> -o yaml`

## Namespace Operations

- Create a namespace: `kubectl create namespace <name>`
- Use a namespace: `kubectl config set-context --current --namespace=<name>`
- Get all pods in a namespace: `kubectl get pods -n <namespace>`

## Delete Resources

- Delete a pod: `kubectl delete pod <pod-name>`
- Delete a deployment: `kubectl delete deployment <deployment-name>`
- Delete everything in a file: `kubectl delete -f <filename>.yaml`