

Minikube & Kubernetes Basic Commands

Minikube Commands

minikube start: Starts a local Kubernetes cluster.

minikube stop: Stops the Minikube cluster.

minikube delete: Deletes the Minikube cluster.

minikube status: Shows the status of the cluster.

minikube dashboard: Opens the Kubernetes Dashboard UI.

minikube ip: Displays the Minikube cluster IP address.

minikube addons list: Lists available Minikube addons.

minikube addons enable <addon>: Enables a specific addon.

minikube addons disable <addon>: Disables a specific addon.

minikube service <service-name>: Opens a service in your browser.

minikube ssh: Accesses the Minikube VM shell.

minikube logs: Displays Minikube service logs.

Kubectl Commands

kubectl config view: Displays Kubernetes configuration.

kubectl config current-context: Shows the current cluster context.

kubectl cluster-info: Shows cluster information.

kubectl get nodes: Lists all nodes.

kubectl get pods: Lists all pods.

kubectl get services: Lists all services.

kubectl get deployments: Lists all deployments.

kubectl get all: Lists all resources in the namespace.

kubectl describe pod <name>: Shows pod details and events.

kubectl delete pod <name>: Deletes a specific pod.

kubectl delete service <name>: Deletes a service.

kubectl apply -f <file>: Applies a YAML config.

kubectl create -f <file>: Creates resources from YAML.

kubectl edit <resource>/<name>: Opens live editor for resource.

kubectl replace -f <file>: Replaces existing resource.

kubectl logs <pod>: Shows logs from a pod.

kubectl logs -f <pod>: Streams pod logs.

kubectl exec -it <pod> -- bash: Access container shell.

kubectl port-forward <pod> 8080:80: Forwards port from pod to host.

kubectl rollout status deployment/<name>: Shows deployment status.

kubectl scale deployment <name> --replicas=3: Scales deployment to 3 replicas.

kubectl delete deployment <name>: Deletes a deployment.

kubectl get namespaces: Lists namespaces.

kubectl create namespace <name>: Creates a new namespace.

kubectl delete namespace <name>: Deletes a namespace.