1. Basic Commands

Start minikube: minikube start

Stop minikube: minikube stop

Delete cluster: minikube delete

Check status: minikube status

Get version: minikube version

Update check: minikube update-check

2. Custom Start Options

Start with memory/CPU: minikube start --memory 5120 --cpus=4

Specific k8s version: minikube start --kubernetes-version v1.11.0

Feature gates: minikube start --kubernetes-version v1.11.0 --feature-gates=AdvancedAuditing=true

3. Docker Integration

Use minikube's Docker daemon: eval \$(minikube docker-env)

4. Addons

List addons: minikube addons list

Enable addon: minikube addons enable <addon-name>

Disable addon: minikube addons disable <addon-name>

Example: minikube addons enable metrics-server

5. Cluster Info

Cluster info: kubectl cluster-info

Dashboard: minikube dashboard

Get IP: minikube ip

Logs: minikube logs

Service URL: minikube service <service-name>

6. Important Folders

Config file: ~/.minikube/machines/minikube/config.json

Main config dirs: ~/.minikube, ~/.kube

Provisioner paths: /tmp/hostpath-provisioner, /tmp/hostpath_pv

Docker data: /var/lib/docker, /data, /var/lib/localkube

7. Mounting

Mount host folder: minikube mount /host-path:/vm-path

8. SSH Access

SSH into minikube: minikube ssh

Manual SSH: ssh -i ~/.minikube/machines/minikube/id_rsa docker@<minikube-ip>

9. CLI Help

Run minikube --help to see available commands.

10. Drivers Supported

docker, virtualbox, podman, vmwarefusion, kvm2, hyperkit, hyperv, vmware, parallels, none

11. Kubectl Commands

Set context: kubectl config use-context minikube

Get versions: kubectl version

Create deployment: kubectl create deployment hello-node --image=k8s.gcr.io/echoserver:1.4

Get deployments: kubectl get deployments

Get pods: kubectl get pods

Get services: kubectl get services

Get events: kubectl get events

Expose deployment: kubectl expose deployment hello-node --type=LoadBalancer --port=8080

Delete service: kubectl delete service hello-node

Delete deployment: kubectl delete deployment hello-node

12. YAML Deployment Example

apiVersion: apps/v1

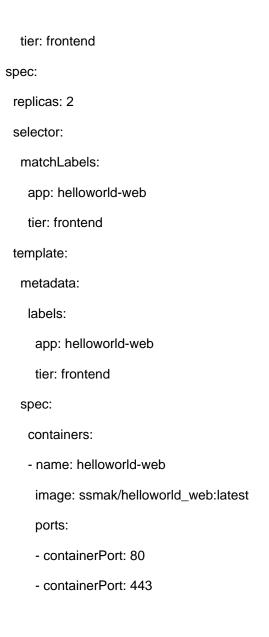
kind: Deployment

metadata:

name: helloworld-web

labels:

app: helloworld-web



13. Resources

Docs: https://github.com/kubernetes/minikube/tree/master/docs

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