

■ Kubernetes Quick Reference (Starter Cheat Sheet)

Pods

```
kubectl get pods -A # all pods in all namespaces
kubectl -n myns get pods -o wide # pods + node/IP info
kubectl -n myns describe pod mypod # details + events
kubectl -n myns logs mypod # container logs
kubectl -n myns exec -it mypod -- sh # shell inside pod
```

Deployments & Services

```
kubectl get deploy,svc -A
kubectl -n myns rollout status deploy/myapp
kubectl -n myns scale deploy myapp --replicas=3
```

Nodes

```
kubectl get nodes -o wide
kubectl describe node worker-01
```

Storage

```
kubectl get sc # storage classes
kubectl get pvc,pv -A # PVCs and PVs
kubectl describe pvc test-pvc
```

Cluster Info

```
kubectl cluster-info
kubectl get all -A # all objects in all namespaces
```

Useful Aliases

```
alias k=kubectl
alias kgp='kubectl get pods'
alias kga='kubectl get all -A'
alias kdp='kubectl describe pod'
```

Tips

- Use --rm for short-lived pods, or sleep 3600 for debugging.
- Always check Events in `kubectl describe` when debugging issues.
- `kubectl get all -A` is your cluster dashboard in one command.