■■ Kubernetes Command Bible (kubectl + Admin Reference)

A complete A–Z Kubernetes command guide covering all core kubectl operations, contexts, resources, networking, storage, logs, scaling, debugging, and more.

1. Basic Cluster Info

Task	Command
Cluster info	kubectl cluster-info
Get all namespaces	kubectl get namespaces
Get all nodes	kubectl get nodes
Describe node	kubectl describe node <node-name>

2. Pod Management

Task	Command
List pods	kubectl get pods
Describe pod	kubectl describe pod <pod-name>
Pod logs	kubectl logs <pod-name>
Exec shell	kubectl exec -it <pod-name> -- /bin/bash

3. Deployment Management

Task	Command
List deployments	kubectl get deployments
Create deployment	kubectl create deployment <name> --image=<image>
Scale deployment	kubectl scale deployment <name> --replicas=<num>
Rollback deployment	kubectl rollout undo deployment/<name>

4. Service Management

Task	Command
List services	kubectl get svc
Expose pod	kubectl expose pod <pod-name> --type=NodePort --port=8080
Describe service	kubectl describe svc <name>
Delete service	kubectl delete svc <name>

5. ConfigMaps & Secrets

Task	Command
Create configmap	kubectl create configmap <name> --from-file=<path>
View secrets	kubectl get secrets
Create secret	kubectl create secret generic <name> --from-literal=key=value
Decode secret	kubectl get secret <name> -o jsonpath='{.data.key}' | base64 --decode

6. Networking & Debug

Task	Command
Port forward	kubectl port-forward <pod> 8080:80
Debug pod	kubectl debug <pod> -it --image=busybox
View events	kubectl get events --sort-by=.metadata.creationTimestamp
Logs follow	kubectl logs -f <pod>

7. Scaling & Maintenance

Task	Command
Scale manually	kubectl scale deployment <name> --replicas=<num>
Autoscale	kubectl autoscale deployment <name> --min=2 --max=5 --cpu-percent=80
Restart deployment	kubectl rollout restart deployment <name>
Delete evicted pods	kubectl get pods | grep Evicted | awk '{print $1}' | xargs kubectl delete pod