Kubernetes – Proper 100 Commands Cheat Sheet

Clear, real kubectl commands with simple explanations. Created for CommandX.

1. kubectl version
Show client and server Kubernetes versions

2. kubectl cluster-info
Display cluster information

3. kubectl get nodes
List all nodes in the cluster

4. kubectl describe node
Show detailed info about a node

5. kubectl get namespaces
List namespaces

6. kubectl create namespace
Create a namespace

7. kubectl delete namespace
Delete a namespace

8. kubectl get pods
List pods in current namespace

9. kubectl get pods -A
List pods in all namespaces

10. kubectl describe pod
Detailed info about a pod

11. kubectl logs
Show pod logs

12. kubectl logs -c
Logs of a specific container

13. kubectl exec -it -- /bin/sh
Exec into a pod shell

14. kubectl get deployments
List deployments

15. kubectl describe deployment
Deployment details

16. kubectl scale deployment --replicas=3
Scale deployment replicas

17. kubectl rollout status deployment/
Check rollout status

18. kubectl rollout undo deployment/
Rollback a deployment

19. kubectl get services
List services

20. kubectl describe service
Service details

21. kubectl expose deployment --type=NodePort
Expose deployment as service

22. kubectl get svc
Short form to list services

23. kubectl get configmaps
List ConfigMaps

24. kubectl describe configmap
ConfigMap details

25. kubectl get secrets
List Secrets

26. kubectl describe secret
Secret details

27. kubectl apply -f app.yaml
Apply configuration from YAML

28. kubectl delete -f app.yaml
Delete resources from YAML

29. kubectl get events
Show cluster events

30. kubectl top nodes
Show node resource usage

31. kubectl top pods
Show pod resource usage

32. kubectl get ingresses
List Ingress resources

33. kubectl describe ingress
Ingress details

34. kubectl get daemonsets
List DaemonSets

35. kubectl describe daemonset
DaemonSet details

36. kubectl get statefulsets
List StatefulSets

37. kubectl describe statefulset
StatefulSet details

38. kubectl get jobs
List Jobs

39. kubectl describe job
Job details

40. kubectl get cronjobs
List CronJobs

41. kubectl describe cronjob
CronJob details

42. kubectl cordon
Mark node unschedulable

43. kubectl uncordon
Mark node schedulable

44. kubectl drain
Drain a node for maintenance

45. kubectl taint nodes key=value:NoSchedule
Add a taint to node

46. kubectl label nodes key=value
Add label to node

47. kubectl get pv
List PersistentVolumes

48. kubectl get pvc
List PersistentVolumeClaims

49. kubectl describe pvc
PVC details

50. kubectl get storageclass
List StorageClasses

51. kubectl auth can-i create pods
Check RBAC permission

52. kubectl get roles
List Roles

53. kubectl get rolebindings
List RoleBindings

54. kubectl get clusterroles
List ClusterRoles

55. kubectl get clusterrolebindings
List ClusterRoleBindings

56. kubectl api-resources
List API resources

57. kubectl api-versions
List API versions

58. kubectl explain pod
Explain resource fields

59. kubectl config view
View kubeconfig

60. kubectl config get-contexts
List contexts

61. kubectl config use-context
Switch context

62. kubectl proxy
Run API server proxy

63. kubectl get endpoints
List endpoints

64. kubectl describe endpoints
Endpoint details

65. kubectl get hpa
List Horizontal Pod Autoscalers

66. kubectl describe hpa
HPA details

67. kubectl autoscale deployment --min=2 --max=5 --cpu-percent=80
Create autoscaler

68. kubectl set image deployment/ app=image:tag
Update container image

69. kubectl set env deployment/ KEY=VALUE
Set env vars

70. kubectl delete pod
Delete a pod

71. kubectl get all
List common resources

72. kubectl get pods -o wide
List pods with more info

73. kubectl get pods --field-selector status.phase=Running
Filter running pods

74. kubectl wait --for=condition=Ready pod/
Wait for pod ready

75. kubectl create secret generic --from-literal=key=value
Create secret

76. kubectl create configmap --from-file=app.conf
Create ConfigMap

77. kubectl patch deployment -p '{"spec":{}}'
Patch resource

78. kubectl delete deployment
Delete deployment

79. kubectl get nodes -o wide
Nodes with details

80. kubectl get pods -l app=myapp
Select by label