Pods and Containers

- Create a Pod: kubectl create pod <name> --image=<image_name>

- List all Pods: kubectl get pods

- Describe a Pod: kubectl describe pod <name>

- Delete a Pod: kubectl delete pod <name>

- Get logs from a Pod: kubectl logs <pod_name>

Deployments and ReplicaSets

- Create a Deployment: kubectl create deployment <name> --image=<image_name>

- List all Deployments: kubectl get deployments

- Scale a Deployment: kubectl scale deployment <name> --replicas=<num_replicas>

- Rollback a Deployment: kubectl rollout undo deployment/<name>

- Create a ReplicaSet: kubectl create replicaset <name> --replicas=<num_replicas> --image=<image_name>

Services and Networking

- Create a Service: kubectl create service <name> <service_type> --tcp=<port>

- List all Services: kubectl get services

- Describe a Service: kubectl describe service <name>

- Expose a Deployment: kubectl expose deployment <name> --type=<service_type> --port=<port>

- Port forwarding: kubectl port-forward <pod_name> <local_port>:<pod_port>

Nodes and Clusters

- List all Nodes: kubectl get nodes

- Describe a Node: kubectl describe node <name>

- Drain a Node: kubectl drain <node_name> --ignore-daemonsets

- Uncordon a Node: kubectl uncordon <node_name>

- List all Cluster Roles: kubectl get clusterroles

Security and Authentication

- Create a Service Account: kubectl create serviceaccount <name>

- Create a Role: kubectl create role <name> --verb=<verb> --resource=<resource>

- Create a Role Binding: kubectl create rolebinding <name> --role=<role_name> --serviceaccount=<service_account_name>

- Create a Secret: kubectl create secret generic <name> --from-literal=<key>=<value>

- Check cluster-wide RBAC permissions: kubectl auth can-i <verb> <resource>