

OpenShift Cheatsheet

Connection

oc login <cluster_url>
Authenticate with an OpenShift cluster

oc logout
Log out of current session

oc whoami
Show current logged in user

oc status
Show a high-level overview of the current project

Project Management

oc project <project_name>
Switch to a project

oc new-project <project_name>
Create a new project

oc get projects
List all projects

oc delete project <project_name>
Delete a project

Resource Management

oc get <resource_type>
List resources (pods, services, deployments, etc.)

oc get <resource_type> <resource_name> -o yaml
Describe a resource in YAML format

oc describe <resource_type> <resource_name>
Show detailed information about a resource

oc edit <resource_type> <resource_name>
Edit a resource

oc delete <resource_type> <resource_name>
Delete a resource

Pod Operations

oc get pods
List pods in current project

oc logs <pod_name>
View pod logs

oc logs -f <pod_name>
Stream pod logs

oc exec -it <pod_name> -- <command>
Execute command in a pod

oc rsh <pod_name>
Open a remote shell into a pod

oc port-forward <pod_name> <local_port>:<pod_port>
Forward local port to pod port

Deployment Operations

oc rollout status deployment/<deployment_name>
Check deployment status

oc rollout history deployment/<deployment_name>
View deployment history

oc rollout undo deployment/<deployment_name>
Rollback to previous deployment

oc scale deployment/<deployment_name> -- replicas=<count>
Scale deployment

Resource Creation

oc create -f <file.yaml>
Create resource from file

oc apply -f <file.yaml>
Create or update resource from file

oc new-app <source>
Create a new application

oc start-build <buildconfig_name>
Start a new build

Observability

oc get events
List events in current project

oc adm top nodes
Show CPU/memory usage of nodes

oc adm top pods
Show CPU/memory usage of pods

oc get routes
List routes (ingress points)

Troubleshooting

oc debug node/<node_name>
Debug a node

oc debug deployment/<deployment_name>
Debug a deployment

oc get nodes
List nodes and their status

oc adm diagnostics
Run diagnostics

oc get pod <pod_name> -o yaml
Get pod definition for troubleshooting