OpenShift CLI Commands Cheat Sheet

Authentication & Context Management

- oc login <url>

  Log in to OpenShift cluster

- oc whoami

  Show current user info

- oc logout

  Log out from the cluster

- oc project <name>

  Switch current project

Application Deployment

- oc new-app <image|repo>

  Create and deploy new app

- oc new-project <name>

  Create a new project

- oc start-build <buildconfig>

  Trigger a build manually

- oc new-build

  Create a build configuration

Resource Viewing

- oc get all

  List all resources in current project

- oc get pods

  List pods

- oc describe <resource> <name>

  Show detailed info of resource

- oc logs <pod>

  Get pod logs

Pod & Deployment Management

- oc delete pod <name>

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Delete a pod

- oc rollout restart dc/<name>

Restart a DeploymentConfig

- oc scale --replicas=3 dc/<name>

Scale application

- oc exec <pod> -it -- bash

Access shell in a pod

Networking

- oc expose svc/<name>

Expose service as a route

- oc get routes

List routes

- oc port-forward <pod> 8080:80

Forward local port to pod

Build & Image

- oc get bc

List BuildConfigs

- oc get builds

List builds

- oc logs build/<name>

View build logs

Config & Secret Management

- oc create configmap <name> --from-literal=key=value

Create ConfigMap

- oc create secret generic <name> --from-literal=key=value

Create Secret

- oc get configmap

List ConfigMaps

RBAC & Security

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- oc create serviceaccount <name>

  Create a ServiceAccount

- oc adm policy add-role-to-user <role> <user>

  Add role to user

- oc policy who-can <verb> <resource>

  Check who has access

YAML & Debug

- oc apply -f file.yaml

  Apply config from YAML

- oc delete -f file.yaml

  Delete from YAML

- oc explain <resource>

  Show schema and docs

- oc debug pod/<name>

  Debug a pod interactively

Admin & Monitoring

- oc adm top nodes

  View node resource usage

- oc adm drain <node>

  Drain a node

- oc adm cordon <node>

  Mark node unschedulable

- oc adm uncordon <node>

  Re-enable scheduling on node