# OpenShift CLI (oc)

OpenShift cluster CLI

## CONCEPTS

oc contains kubectl: get, describe, apply, logs, exec, scale and every other kubectl verb work unchanged as oc <verb>. This sheet lists only what OpenShift adds.

## LOGIN & SESSION

**oc login** *<url>*
Log in, prompting for credentials

**oc login --token=***<token>* **--server=***<url>*
Log in with a token

**oc whoami**
Show logged-in user

**oc logout**
End the session

## PROJECTS

**oc projects**
List projects you can access

**oc project**
Show current project

**oc project** *<name>*
Switch project

**oc new-project** *<name>*
Create and switch to project

**oc status**
Overview of the current project

## APPS & BUILDS

**oc new-app** *<git-url>*
Detect, build and deploy source

**oc new-app --image=***<img>* **--name=***<name>*
Deploy an existing image

**oc new-app** *<builder>~<git-url>*
Build source with a builder image

**oc start-build** *<bc>*
Start a build

**oc start-build** *<bc>* **--follow**
Start and stream build log

**oc start-build** *<bc>* **--from-dir=***<dir>* **--follow**
Build from local files

## APPS & BUILDS (cont.)

**oc logs -f bc/***<bc>*
Follow latest build log

## ROUTES & NETWORK

**oc expose svc/***<name>*
Create a route for a service

**oc get routes**
List routes and hosts

**oc create route edge --service=***<svc>*
TLS route, edge termination

**oc port-forward pod/***<pod>* *<local>:<remote>*
Tunnel a local port

## DEPLOY & ROLLOUT

**oc rollout status deploy/***<name>*
Watch a rollout

**oc rollout restart deploy/***<name>*
Restart all pods

**oc rollout undo deploy/***<name>*
Roll back one revision

**oc set env deploy/***<name>* *<KEY>=<value>*
Set env var (triggers rollout)

## IMAGES

**oc get is**
List image streams

**oc import-image** *<is>:<tag>* **--from=***<img>* **--confirm**
Import an external image

**oc tag** *<is>:<tag> <is>:<newtag>*
Point a tag at an image

## DEBUG & FILES

**oc rsh** *<pod>*
Shell in first container

**oc debug deploy/***<name>*
Copy pod and open a shell

**oc debug node/***<node>*
Root shell on a node

## ADMIN (OC ADM)

**oc adm must-gather**
Collect cluster data for support