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

APPS & BUILDS (cont.)

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

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

`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

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 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