

Ansible



Build and Deployment CLI Operations (cont)

```
start-build \
  [ <buildConfig_name>
  | --from-build=
  <build_name> ] --
  follow
```

Manually start the build process by specifying either a configuration file or the name of a previous build and retrieves its build logs

```
build-logs <build_name>
```

Retrieve the build logs for the specified build

```
deploy <deploymentconfig>
```

View a **deployment**, or manually start, cancel, or retry a deployment

```
rollback <deployment_name>
```

Perform a **rollback**

```
new-build .
```

Create a build config based on the source code in the current git repository (with a public remote) and a Docker image

```
cancel-build <build_name>
```

Stop a build that is in progress

```
import-image <imagestream>
```

Import tag and image information from an external Docker image repository

Basic CLI Operations

```
types
```

oc types Display an introduction to some core OpenShift concepts

```
login
```

oc login Log in to the Openshift server

```
logout
```

oc logout End the current session

```
new-project <project_name>
```

oc new-project Create a new project

```
new-app .
```

oc new-app Create a new application based on the source code in the current directory

```
status
```

oc status Show an overview of the current project

```
project <project_name>
```

oc project Switch to another project

```
list
```

oc project View all projects you have access to projects

Build and Deployment CLI Operations

```
start-build <buildConfig_name>
```

oc start-build Manually start the build process with the specified build configuration file

```
start-build -from-build= <build_name>
```

oc start-build Manually start the build process by specifying the name of a previous build as a starting point



By **ITServicesTool Start-Up**
(ITServiceStart-Up)
cheatography.com/itservicestart-up/

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Build and Deployment CLI Operations (cont)

scale `oc scale` Set the number of desired replicas for a replication controller or a deployment configuration to the number of specified replicas

```
<object_type>
<object_id> \ -
-replicas=
<#_of_replicas>
```

tag `oc tag` Take an existing tag or image from an image stream, or a Docker image pull spec, and set it as the most recent image fro a tag in one or more other image streams

```
<current_image>
<image_stream>
```

Application Modification CLI Operations

get `oc get <object_type>` Return a list of objects for the specified object type

```
[<object_name_or_id>]
```

describe `oc describe <object_type>` Returns information about the specific object returned by the query

edit `oc edit` Edit the desired object type

```
<object_type>/<object_type_name>
```

edit `OC_EDITOR="<text_editor>" oc edit \` Edit the desired object type with a specified text editor

```
<object_type>/<object_type_name>
```

edit `oc edit` Edit the desired object in a specified format (e.g: JSON)

```
<object_type>/<object_type_name> \ --output-version=
<object_type_version> \ -o
<object_type_format>
```

Application Modification CLI Operations (cont)

env `oc env` Update the desired object type with a new environment variable

```
<object_type>/<object_type_name> \
e_name> \
<EN_VAR>=/<VALUE>
```

volume `oc volume` Modify a volume

```
<object_type>/<object_type_name> \
e_name> \ [--option]
```

label `oc label <object_type>` Update the labels on an object

```
<object_name_or_id> \
<label>
```

expose `oc expose <object_type>` Look up a service and expose it as a route

```
<object_name_or_id>
```

stop `oc stop -f <file_path>` Gracefully shut down an object by ID or file name.

stop `oc stop <object_type>` Gracefully shut down an object with the specified ID

```
<object_name_or_id>
```

stop `oc stop <object_type> -l` Gracefully shut down an object with the specified label

```
<label>
```

stop `oc stop all -l <label>` Gracefully shut down all objects with the specified label

delete `oc delete -f` Delete the specified object

```
<file_path>
```

delete `oc delete <object_type>` Delete the specified object

```
<object_name_or_id>
```

delete `oc delete <object_type>` Delete the object matching the specified label

```
-l <label>
```

delete `oc delete all -l` Delete all object matching the specified label

```
<label>
```



Troubleshooting and Debugging CLI Operations

logs `oc logs -f <pod_name> <container_name>` Retrieve the log output for a specific pod or container. This command does not work for other object types

exec `oc exec <pod_ID> \ [-c <container_ID>] <command>` Execute a command in an already-running container. You can optionally specify a container ID, otherwise it defaults to the first container

rsh `oc rsh <pod_ID>` Open a remote shell session to a container

port-forward `oc port-forward <pod_ID> \ <first_port_ID> <second_port_ID>` Forward one or more local ports to a pod

proxy `oc proxy --port=<port_ID> \ --www=<static_directory>` Run a proxy to the Kubernetes API server

Advanced Commands

create `oc create -f <file_or_dir_path>` Parse a configuration file and create one or more OpenShift object based on the file contents. The `-f` flag can be passed multiple times with different file or directory paths.

update `oc update -f <file_or_dir_path>` Attempt to modify an existing object based on the contents of the specified configuration file.

process `oc process -f <template_file_path>` Transform a project `template` into a project configuration file

Advanced Commands (cont)

export `oc export <object_type> [--options]` Export resources to be used elsewhere

policy `oc policy [--options]` Manage authorization policies

secrets `oc secrets [--options] path/to/ssh_key` Configure **secrets**

Object Types

Object Type	Abbreviated Version
build	
buildConfig	bc
deploymentConfig	dc
imageStream	is
imageStreamTag	istag
imageStreamImage	isimage
event	ev
node	
pod	po
replicationController	rc
service	svc
persistentVolume	pv
persistentVolumeClaim	pvc

