

Ansible



Build and Deployment CLI Operations (cont)

```
start-build \
  oc 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

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

Retrieve the build logs for the specified build

```
oc deploy
  <deploymentconfig>
```

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

```
oc rollback
  <deployment_name>
```

Perform a **rollback**

```
oc new-build .
```

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

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

Stop a build that is in progress

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

Import tag and image information from an external Docker image repository

Basic CLI Operations

```
oc types
```

Display an introduction to some core OpenShift concepts

```
oc login
```

Log in to the OpenShift server

```
oc logout
```

End the current session

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

Create a new project

```
oc new-app .
```

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

```
oc status
```

Show an overview of the current project

```
oc project
  <project_name>
```

Switch to another project

```
oc project
```

View all projects you have access to

Build and Deployment CLI Operations

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

Manually start the build process with the specified build configuration file

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

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



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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> \ [--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

