OC CLI commands Cheat Sheet

by ITServicesTool Start-Up (ITServiceStart-Up) via cheatography.com/32307/cs/993

Ansible



Basic CLI Operations

types	`oc types`	Display an introduction to some core OpenShift concepts
login	`oc login`	Log in to the OpensShift server
logout	`oc logout`	End the current session
new-project	`oc new-project <project_name>`	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	`oc project <project_name>`	Switch to another project
list projects	`oc project`	View all projects you have access to

Build and Deployment CLI Operations

Build and Deployment CLI Operations (cont)

rollback	`oc rollback <deployment_name>`
new-build	`oc new-build .`
cancel-build	`oc cancel-build <build_name>`
import-image	`oc import-image <image_stream>`
scale	`oc scale <object_type> <object_id> \ --replicas>`

start-build	`oc start- build <bu ild Con fig _na me>`	Manually start the build process with the specified build config-uration file
start-build	`oc start- build --from -bu ild =<b uil d_n ame>`	Manually start the build process by specifying the name of a previous build as a starting point
start-build	`oc start- build \[< bui ldC onf ig_ nam e>| --f ame >] --follow`	Manually start the build process by specifying either a config-uration file or the name of a previous build and retreives its build logs
build-logs	`oc build-logs <bu ild _na me>`	Retreive the build logs for the specified build
deploy	`oc deploy <de plo yme ntc onf ig>`	View a , or manually start, cancel, or retry a deployment

tag	`oc tag <cu rre nt_ ime ge> <im age _st rea m>`	Manually

Application Modification CLI Operations

get	`oc get <ob jec t_t ype> [<o bje ct_ nam e_o`
describe	`oc describe <ob jec t_t ype>`
edit	`oc edit <ob jec t_t ype >/< obj ect _ty pe_`
edit	`OC_EDI TOR ="<t ext _ed ito r>" oc edit \ <o`
edit	`oc edit <ob jec t_t ype >/< obj ect _ty pe_ <ob jec t_t ype _fo rma t>`

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Application Modification CLI Operations (cont)

env	`oc env <ob jec t_t ype >/< obj ect _ty pe_ nam e> \ <EN _VA R>= /<V ALU E>`	Update the desired object type with a new enviro-nment variable
volume	`oc volume <ob jec t_t ype >/< obj ect _ty pe_ nam e> \ [--o ption]`	Modify a volume
label	`oc label <ob jec t_t ype> <ob ejc t_n ame _or _id> \ <la be l>`	Update the labels on an object
expose	`oc expose <ob jec t_t ype> <ob jec t_n ame _or _id>`	Look up a service and expose it as a route
stop	`oc stop -f <fi le_ pat h>`	Gracefully shut down an object by ID or file name.
stop	`oc stop <ob jec t_t ype> <ob jec t_n ame _or _id>`	Gracefully shut down an object with the specified ID
stop	`oc stop <ob jec t_t ype> -l <la bel>`	Gracefully shit down an object with the specified label
stop	`oc stop all -l <la bel>`	Gracefully shut down all objects with the specified label
delete	`oc delete -f <fi le_ pat h>`	Delete the specified object

Advanced Commands

delete	`oc delete <ob jec t_t ype> <ob jec t_n ame _or _id>`	Delete the specified object
delete	`oc delete <ob jec t_t ype> -l <la bel>`	Delete the object matching the specified label
delete	`oc delete all -l <la bel>`	Delete all object matching the specified label

Troubleshooting and Debugging CLI Operations

create	`oc create -f <fi le_ or_ dir _pa th>`	Parse configuration file and create one or more Openshift objects based on the file content. The -f flag can be passed multiple times with different file or directory paths
update	`oc update -f <fi le_ or_ dir _pa th>`	Attempt to modify existing objects based on the content of the specified configuration file.
process	`oc process -f <te mpl ate _fi le_ pat -h>`	Transform a project template into a project configuration file
export	`oc export <ob jec t_t ype> [--opt ions]`	Export resources to be used elsewhere
policy	`oc policy [--opt ions]`	Manage authorization policies
secrets	`oc secrets [--opt ions] path/t o/s sh_key`	Configure secrets

Object Types

logs	`oc logs -f <po d_n ame> <co nta ine r_n ame>`	Receive the log output for a specific pod or container. This command does not work for other object types
exec	`oc exec <po d_I D> \ [-c <co nta ine r_I D>] <co mma nd>`	Execute a command in an already-r-unning container. You can optionally specify a container ID, otherwise it defaults to the first container
rsh	`oc rsh <po d_I D>`	Open a remote shell session to a container
port-f-orward	`oc port-f orward <po d_I D> \ <fi rst _po rt_ ID> <se con d _p ort _ID>`	Forward one or more local ports to a pod
proxy	`oc proxy --port =<p ort _ID> \ --www= <st ati c_d ire cto r y>`	Run a proxy to the Kubernetes AI server

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

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