

# 1wsx Open Shift Commands

Welcome to the OpenShift Web Terminal. Type "help" for a list of installed CLI tools.

```
bash-4.4 ~ $ help
Installed tools:
Command      Version      Name
oc            4.12.0       OpenShift CLI
kubectl       1.25.2       Kubernetes CLI
kustomize     4.5.7        Kustomize CLI (built-in to kubectl)
helm          3.10.1       Helm CLI
kn            1.6.1        KNative CLI
tkn           0.28.0       Tekton CLI
subctl        0.13.1       Submariner CLI
odo           3.8.0        Red Hat OpenShift Developer CLI
virtctl       0.58.0       KubeVirt CLI
jq            1.6          jq
```

To customize this terminal, see 'wtoclt'

```
bash-4.4 ~ $ oc
OpenShift Client
```

This client helps you develop, build, deploy, and run your applications on any OpenShift or Kubernetes cluster. It also includes the administrative commands for managing a cluster under the 'adm' subcommand.

## Basic Commands:

login	Log in to a server
new-project	Request a new project
new-app	Create a new application

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new-app	Create a new application
status	Show an overview of the current project
project	Switch to another project
projects	Display existing projects
explain	Get documentation for a resource

## Build and Deploy Commands:

rollout	Manage a Kubernetes deployment or OpenShift deployment config
rollback	Revert part of an application back to a previous deployment
new-build	Create a new build configuration
start-build	Start a new build
cancel-build	Cancel running, pending, or new builds
import-image	Import images from a container image registry
tag	Tag existing images into image streams

## Application Management Commands:

create	Create a resource from a file or from stdin
apply	Apply a configuration to a resource by file name or stdin
get	Display one or many resources
describe	Show details of a specific resource or group of resources
edit	Edit a resource on the server
set	Commands that help set specific features on objects
label	Update the labels on a resource
annotate	Update the annotations on a resource
expose	Expose a replicated application as a service or route
delete	Delete resources by file names, stdin, resources and names, or by resources and label selector

delete	Delete resources by file names, stdin, resources and names, or by resources and label selector
scale	Set a new size for a deployment, replica set, or replication controller
autoscale	Autoscale a deployment config, deployment, replica set, stateful set, or replication controller
secrets	Manage secrets

## Troubleshooting and Debugging Commands:

logs	Print the logs for a container in a pod
rsh	Start a shell session in a container
rsync	Copy files between a local file system and a pod
port-forward	Forward one or more local ports to a pod
debug	Launch a new instance of a pod for debugging
exec	Execute a command in a container
proxy	Run a proxy to the Kubernetes API server
attach	Attach to a running container
run	Run a particular image on the cluster
cp	Copy files and directories to and from containers
wait	Experimental: Wait for a specific condition on one or many resources

## Advanced Commands:

adm	Tools for managing a cluster
replace	Replace a resource by file name or stdin
patch	Update fields of a resource
process	Process a template into list of resources
extract	Extract secrets or config maps to disk
observe	Observe changes to resources and react to them (experimental)
policy	Manage authorization policy
auth	Inspect authorization

```

auth          Inspect authorization
image         Useful commands for managing images
registry      Commands for working with the registry
idle          Idle scalable resources
api-versions  Print the supported API versions on the server, in the form of "group/version"
api-resources Print the supported API resources on the server
cluster-info  Display cluster information
diff          Diff the live version against a would-be applied version
kustomize     Build a kustomization target from a directory or URL.

Settings Commands:
logout        End the current server session
config       Modify kubeconfig files
whoami       Return information about the current session
completion   Output shell completion code for the specified shell (bash, zsh, fish, or powershell)

Other Commands:
plugin       Provides utilities for interacting with plugins
version      Print the client and server version information

Usage:
  oc [flags] [options]

Use "oc <command> --help" for more information about a given command.
Use "oc options" for a list of global command-line options (applies to all commands).
bash-4.4 ~ $ oc get all
NAME
```

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NAME                                READY    STATUS    RESTARTS   AGE
pod/openshiftminiproj-git-1-build    0/1     Completed 0           4m8s
pod/openshiftminiproj-git-65c9c6bbd7-9spw4 0/1     Error     5 (108s ago) 3m11s
pod/openshiftminiproj-git-7784b94456-b62rv 0/1     CrashLoopBackOff 4 (66s ago) 4m7s
pod/python-basic-1-build             0/1     Completed 0           19m
pod/python-basic-7765c44f87-s8bkr    1/1     Running   0           18m
pod/workspace17ce588e9f5d40aa-68df66b9c8-tpjcp 2/2     Running   0           100s

NAME                                TYPE      CLUSTER-IP    EXTERNAL-IP    PORT(S)          AGE
service/modelmesh-serving           ClusterIP  None          <none>          8033/TCP,8008/TCP,8443/TCP,2112/TCP 34m
service/openshiftminiproj-git      ClusterIP  172.30.97.124 <none>          8080/TCP          4m7s
service/python-basic                ClusterIP  172.30.228.201 <none>          8081/TCP          19m
service/workspace17ce588e9f5d40aa-service ClusterIP  172.30.219.143 <none>          4444/TCP          100s

NAME                                READY    UP-TO-DATE    AVAILABLE    AGE
deployment.apps/openshiftminiproj-git 0/1     1              0            4m7s
deployment.apps/python-basic          1/1     1              1            19m
deployment.apps/workspace17ce588e9f5d40aa 1/1     1              1            100s

NAME                                DESIRED    CURRENT    READY    AGE
replicaset.apps/openshiftminiproj-git-65c9c6bbd7 1          1          0        3m11s
replicaset.apps/openshiftminiproj-git-7784b94456 1          1          0        4m7s
replicaset.apps/python-basic-7765c44f87          1          1          1        18m
replicaset.apps/python-basic-796f97f6ff          0          0          0        19m
replicaset.apps/workspace17ce588e9f5d40aa-68df66b9c8 1          1          1        100s

NAME                                TYPE      FROM    LATEST
```

```

NAME                                TYPE      FROM    LATEST
buildconfig.build.openshift.io/openshiftminiproj-git Source    Git     1
buildconfig.build.openshift.io/python-basic      Docker    Git     1

NAME                                TYPE      FROM    STATUS    STARTED      DURATION
build.build.openshift.io/python-basic-1          Docker    Git@41017b7 Complete 19 minutes ago 1m24s
build.build.openshift.io/openshiftminiproj-git-1 Source    Git@61c9000 Complete 4 minutes ago 1m0s

NAME                                IMAGE REPOSITORY
TAGS    UPDATED
imagestream.image.openshift.io/openshiftminiproj-git default-route-openshift-image-registry.apps.sandbox-m3.1530.p1.openshiftapps.com/simranpatil1936-dev/openshiftminiproj-git-latest 3 minutes ago
imagestream.image.openshift.io/python-basic      default-route-openshift-image-registry.apps.sandbox-m3.1530.p1.openshiftapps.com/simranpatil1936-dev/python-basic-latest 18 minutes ago

NAME                                HOST/PORT                                PATH    SERVICES    PORT
TERMINATION    WILDCARD
route.route.openshift.io/openshiftminiproj-git  openshiftminiproj-git-simranpatil1936-dev.apps.sandbox-m3.1530.p1.openshiftapps.com  openshiftminiproj-git 8080
tcp            edge/Redirect  None
route.route.openshift.io/python-basic          python-basic-simranpatil1936-dev.apps.sandbox-m3.1530.p1.openshiftapps.com          python-basic          8081
None

bash-4.4 ~ $ oc get po -w
NAME                                READY    STATUS    RESTARTS   AGE
openshiftminiproj-git-1-build        0/1     Completed 0           4m29s
openshiftminiproj-git-65c9c6bbd7-9spw4 0/1     CrashLoopBackOff 5 (37s ago) 3m32s
openshiftminiproj-git-7784b94456-b62rv 0/1     Error     5 (87s ago) 4m28s
```

latest 18 minutes ago

NAME	TERMINATION	WILDCARD	HOST/PORT	PATH	SERVICES	PORT
route.route.openshift.io/openshiftminiproj-git	tcp	edge/Redirect	None	openshiftminiproj-git-simranpatil936-dev.apps.sandbox-m3.1530.p1.openshiftapps.com	openshiftminiproj-git	8888-
route.route.openshift.io/python-basic		None	python-basic-simranpatil936-dev.apps.sandbox-m3.1530.p1.openshiftapps.com		python-basic	8881

```
bash-4.4 ~ $ oc get po -w
```

NAME	READY	STATUS	RESTARTS	AGE
openshiftminiproj-git-1-build	0/1	Completed	0	4m29s
openshiftminiproj-git-65c9c6bbd7-9spw4	0/1	CrashLoopBackOff	5 (37s ago)	3m32s
openshiftminiproj-git-7784b94456-b62rv	0/1	Error	5 (87s ago)	4m28s
python-basic-1-build	0/1	Completed	0	20m
python-basic-7765c44f87-s8bkr	1/1	Running	0	18m
workspace17ce588e9f5d40aa-68df66b9c8-tpjcp	2/2	Running	0	2m1s

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^Z
[1]+  Stopped                  oc get po -w
bash-4.4 ~ $ oc get pod
```

NAME	READY	STATUS	RESTARTS	AGE
openshiftminiproj-git-1-build	0/1	Completed	0	4m45s
openshiftminiproj-git-65c9c6bbd7-9spw4	0/1	CrashLoopBackOff	5 (53s ago)	3m48s
openshiftminiproj-git-7784b94456-b62rv	0/1	CrashLoopBackOff	5 (20s ago)	4m44s
python-basic-1-build	0/1	Completed	0	20m
python-basic-7765c44f87-s8bkr	1/1	Running	0	19m
workspace17ce588e9f5d40aa-68df66b9c8-tpjcp	2/2	Running	0	2m17s

```
bash-4.4 ~ $
```