

1 Minishift CheatSheet

KUBERNETES

- PDF Link: [cheatsheet-minishift-A4.pdf](#), Category: tools
- Blog URL: <https://cheatsheet.dennyzhang.com/cheatsheet-minishift-A4>
- Related posts: [OpenShift CheatSheet](#), [Kubectl CheatSheet](#), [#denny-cheatsheets](#)

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1.1 Minishift Summary

Name	Command
Install/upgrade minishift	<code>brew cask install minishift, brew cask install --force minishift</code>
Try OpenShift in virtualbox	<code>minishift start --vm-driver=virtualbox</code>
OpenShift web console	<code>https://192.168.99.100:8443, system/admin</code>
Stop/delete minishift env	<code>minishift stop, minishift delete</code>
ssh minishift	<code>minishift ssh</code>
Get minishift IP	<code>minishift ip</code>
Check status	<code>minishift status, oc config view, minishift oc-env, minishift docker-env</code>
List addons	<code>minishift addons list</code>
Apply addon	<code>minishift addons apply admin-user</code>
OC login and change kube context	<code>oc login -u system:admin, kubectl get nodes</code>

1.2 Minishift Footprint

Process	Command
etcd	<code>openshift start etcd --config=/etc/origin/master/master-config.yaml</code>
hyperkube openshift-kube-apiserver	<code>hypershift openshift-kube-apiserver --config=/etc/origin/master/master-config.yaml</code>
hyperkube openshift-apiserver	<code>hypershift openshift-apiserver --config=/etc/origin/master/master-config.yaml</code>
hyperkube kubelet	
hyperkube kubelet-scheduler	
hyperkube kubelet-controller-manager	
network proxy	<code>openshift start network --enable=proxy --config=/etc/origin/node/node-config.yaml</code>
network dns	<code>openshift start network --enable=dns --config=/etc/origin/node/node-config.yaml</code>
origin-web-console	<code>/usr/bin/origin-web-console --audit-log-path... --config=/.../webconsole-config.yaml</code>
openshift-webconsole-operator	<code>hypershift experimental openshift-webconsole-operator --config=/.../operator-config.yaml</code>
dockerregistry	<code>/usr/bin/dockerregistry /config.yml</code>
openshift-router	
dockerd	
haproxy	

1.3 Minishift CLI Help

Denny > `minishift --help`

Minishift is a command-line tool that provisions and manages single-node OpenShift clusters optimized for dev

Usage:

`minishift [command]`

Available Commands:

```

addons      Manages Minishift add-ons.
completion  Outputs minishift shell completion for the given shell (bash or zsh)
config       Modifies Minishift configuration properties.
console      Opens or displays the OpenShift Web Console URL.
delete       Deletes the Minishift VM.
docker-env   Sets Docker environment variables.
help         Help about any command
hostfolder   Manages host folders for the Minishift VM.
```

image	Exports and imports container images.
ip	Gets the IP address of the running cluster.
logs	Gets the logs of the running OpenShift cluster.
oc-env	Sets the path of the 'oc' binary.
openshift	Interacts with your local OpenShift cluster.
profile	Manages Minishift profiles.
ssh	Log in to or run a command on a Minishift VM with SSH.
start	Starts a local OpenShift cluster.
status	Gets the status of the local OpenShift cluster.
stop	Stops the running local OpenShift cluster.
update	Updates Minishift to the latest version.
version	Gets the version of Minishift.

Flags:

--alsologtostderr	log to standard error as well as files
-h, --help	help for minishift
--log_backtrace_at traceLocation	when logging hits line file:N, emit a stack trace (default :0)
--log_dir string	If non-empty, write log files in this directory (default "")
--logtostderr	log to standard error instead of files
--profile string	Profile name (default "minishift")
--show-libmachine-logs	Show logs from libmachine.
--stderrthreshold severity	logs at or above this threshold go to stderr (default 2)
-v, --v Level	log level for V logs. Level varies from 1 to 5 (default 1).
--vmodule moduleSpec	comma-separated list of pattern=N settings for file-filtered logging

Use "minishift [command] --help" for more information about a command.

1.4 More Resources

<https://www.okd.io/>

https://access.redhat.com/documentation/en-us/minishift_container_platform/3.11/

https://access.redhat.com/documentation/en-us/minishift_container_platform/3.11/html/cli_reference/

cli-reference-basic-cli-operations

<https://docs.okd.io/latest/minishift/getting-started/quickstart.html>

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