

# 1 Minishift CheatSheet

## CLOUD

- PDF Link: [cheatsheet-minishift-A4.pdf](#), Category: Cloud
- 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>                |
| openshift-kube-apiserver      | <code>hypershift openshift-kube-apiserver --config=/etc/origin/master/master-config.yaml</code> |
| openshift-apiserver           | <code>hypershift openshift-apiserver --config=/etc/origin/master/master-config.yaml -v</code>   |
| kubelet                       |   |
| kubelet-scheduler             |   |
| 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</code>   |
| openshift-webconsole-operator | <code>hypershift experimental openshift-webconsole-operator --config=../../operator-con</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/)

[https://access.redhat.com/documentation/en-us/minishift\\_container\\_platform/3.11/html/cli\\_reference/](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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