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

1.2 Minishift Footprint

Process	Command
etcd	`openshift start etcd --config=/etc/origin/master/master-config.yaml`
openshift-kube-apiserver	`hypershift openshift-kube-apiserver --config=/etc/origin/master/master-config.yam`
openshift-apiserver	`hypershift openshift-apiserver --config=/etc/origin/master/master-config.yaml -v=`
kubelet	
kubelet-scheduler	
kubelet-controller-manager	
network proxy	`openshift start network --enable=proxy --config=/etc/origin/node/node-config.yam`
network dns	`openshift start network --enable=dns --config=/etc/origin/node/node-config.yaml`
origin-web-console	`/usr/bin/origin-web-console --audit-log-path...  --config=/.../webconsole-config`
openshift-webconsole-operator	`hypershift experimental openshift-webconsole-operator --config=/.../operator-con`
dockerregistry	`/usr/bin/dockerregistry /config.yml`
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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