1 Minishift CheatSheet

KUBERNETES

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- PDF Link: cheatsheet-minishift-A4.pdf, Category: tools
- $\bullet \ \operatorname{Blog} \ \operatorname{URL}: \texttt{https://cheatsheet.dennyzhang.com/cheatsheet-minishift-A4}$
- \bullet 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 installforce minishift
Try OpenShift in virtualbox	minishift startvm-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 etcdconfig=/etc/origin/master/master-config.yaml
hyperkube openshift-kube-apiserver	hypershift openshift-kube-apiserverconfig=/etc/origin/master/master-con
hyperkube openshift-apiserver	hypershift openshift-apiserverconfig=/etc/origin/master/master-config.y
hyperkube kubelet	
hyperkube kubelet-scheduler	
hyperkube kubelet-controller-manager	
network proxy	openshift start networkenable=proxyconfig=/etc/origin/node/node-conf
network dns	openshift start networkenable=dnsconfig=/etc/origin/node/node-config
origin-web-console	/usr/bin/origin-web-consoleaudit-log-pathconfig=//webconsole-
openshift-webconsole-operator	hypershift experimental openshift-webconsole-operatorconfig=//operat
dockerregistry	/usr/bin/dockerregistry /config.yml
openshift-router	
dockerd	

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:

haproxy

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.

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image Exports and imports container images. ip Gets the IP address of the running cluster. logs Gets the logs of the running OpenShift cluster.

Sets the path of the 'oc' binary. oc-env

Interacts with your local OpenShift cluster. openshift

Manages Minishift profiles. profile

Log in to or run a command on a Minishift VM with SSH. ssh

start Starts a local OpenShift cluster.

Gets the status of the local OpenShift cluster. status Stops the running local OpenShift cluster. stop Updates Minishift to the latest version. update

Gets the version of Minishift. version

Flags:

--alsologtostderr log to standard error as well as files help for minishift -h, --help

when logging hits line file:N, emit a stack trace (default :0) --log_backtrace_at traceLocation If non-empty, write log files in this directory (default "") --log_dir string

--logtostderr log to standard error instead of files Profile name (default "minishift") --profile string

Show logs from libmachine. --show-libmachine-logs

--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.

More Resources 1.4

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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