

Minikube CheatSheet

CLOUD

- PDF Link: [cheatsheet-minikube-A4.pdf](#), Category: Cloud
- Blog URL: <https://cheatsheet.dennyzhang.com/cheatsheet-minikube-A4>
- Related posts: [Kubernetes kind CheatSheet](#), [Kubernetes Yaml](#), [#denny-cheatsheets](#)

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- Check kubernetes cheatsheet: <https://cheatsheet.dennyzhang.com/cheatsheet-kubernetes-A4>

1.1 Minikube basic

Name	Command
minikube lifecycle	<code>minikube delete</code> , <code>minikube start</code> , <code>minikube status</code> , Link: minikube
Get minikube version	<code>minikube version</code> , Link: all minikube releases
mac install minikube	<code>brew cask install minikube</code> , <code>brew cask reinstall minikube</code>
Start minikube with different machine flavor	<code>minikube start --memory 5120 --cpus=4</code>
Start minikube with a specific k8s version	<code>minikube start --kubernetes-version v1.11.0</code>
Start minikube with more customizations	<code>minikube start --kubernetes-version v1.11.0 --feature-gates=AdvancedAuditing=tr</code>
SSH to minikube vm	<code>minikube ssh</code> , <code>ssh -i ~/.minikube/machines/minikube/id_rsa docker@192.</code>
Your local docker to use minikube dockerd	<code>eval \$(minikube docker-env)</code> , Then no need for <code>docker push</code>
Minikube check latest version	<code>minikube update-check</code>
Reference	Minikube CheatSheet , Kubernetes kind CheatSheet
Reference	Kubectl CheatSheet , Kubernetes Yaml

1.2 Check status

Name	Command
Get minikube version	<code>minikube version</code> , Link: all minikube releases
Get cluster info	<code>kubectl cluster-info</code>
Get service info	<code>minikube service <srv-name></code>
Get dashboard	<code>minikube dashboard</code>
Get ip	<code>minikube ip</code>
Get minikube log	<code>minikube logs</code>
List addons	<code>minikube addons list</code>

1.3 Minikube Folders

Name	Command
Mount host OS's folder to minikube VM	<code>minikube mount /host-mount-path:/vm-mount-path</code>
Folder of k8s.io/minikube-hostpath provisioner	<code>/tmp/hostpath-provisioner</code> , <code>/tmp/hostpath_pv</code>
Mount host OS's folder to minikube VM	<code>minikube mount /host-mount-path:/vm-mount-path</code>
Critical minikube folder	<code>/var/lib/localkube</code> , <code>/var/lib/docker</code> , <code>/data</code>
Check minikube config in your host OS desktop	<code>~/.minikube/machines/minikube/config.json</code>
Minikube conf in local env	<code>~/.minikube</code> , <code>~/.kube</code>

1.4 Minikube Advanced

Name	Command
Install addon after creating minikube env	<code>minikube addons enable heapster</code> , <code>kubectl top node</code>

1.5 minikube CLI Online Help

```
> minikube version
minikube version: v0.31.0
```

```
> minikube --help
Minikube is a CLI tool that provisions and manages single-node Kubernetes clusters optimized for development
```

Usage:`minikube [command]`**Available Commands:**

<code>addons</code>	Modify minikube's kubernetes addons
<code>cache</code>	Add or delete an image from the local cache.
<code>completion</code>	Outputs minikube shell completion for the given shell (bash or zsh)
<code>config</code>	Modify minikube config
<code>dashboard</code>	Access the kubernetes dashboard running within the minikube cluster
<code>delete</code>	Deletes a local kubernetes cluster
<code>docker-env</code>	Sets up docker env variables; similar to '\$(docker-machine env)'
<code>help</code>	Help about any command
<code>ip</code>	Retrieves the IP address of the running cluster
<code>logs</code>	Gets the logs of the running instance, used for debugging minikube, not user code
<code>mount</code>	Mounts the specified directory into minikube
<code>profile</code>	Profile sets the current minikube profile
<code>service</code>	Gets the kubernetes URL(s) for the specified service in your local cluster
<code>ssh</code>	Log into or run a command on a machine with SSH; similar to 'docker-machine ssh'
<code>ssh-key</code>	Retrieve the ssh identity key path of the specified cluster
<code>start</code>	Starts a local kubernetes cluster
<code>status</code>	Gets the status of a local kubernetes cluster
<code>stop</code>	Stops a running local kubernetes cluster
<code>tunnel</code>	tunnel makes services of type LoadBalancer accessible on localhost
<code>update-check</code>	Print current and latest version number
<code>update-context</code>	Verify the IP address of the running cluster in kubeconfig.
<code>version</code>	Print the version of minikube

Flags:

<code>--alsologtostderr</code>	log to standard error as well as files
<code>-b, --bootstrapper string</code>	The name of the cluster bootstrapper that will set up the kubernetes
<code>-h, --help</code>	help for minikube
<code>--log_backtrace_at traceLocation</code>	when logging hits line file:N, emit a stack trace (default :0)
<code>--log_dir string</code>	If non-empty, write log files in this directory
<code>--logtostderr</code>	log to standard error instead of files
<code>-p, --profile string</code>	The name of the minikube VM being used. This can be modified to allow for multiple minikube instances to be
<code>--stderrthreshold severity</code>	logs at or above this threshold go to stderr (default 2)
<code>-v, --v Level</code>	log level for V logs
<code>--vmodule moduleSpec</code>	comma-separated list of pattern=N settings for file-filtered logging

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

1.6 More Resources

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<https://github.com/kubernetes/minikube/tree/master/docs>