

Minikube CheatSheet

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- PDF Link: [cheatsheet-minikube-A4.pdf](#), Category: Cloud
- Blog URL: <https://cheatsheet.dennyzhang.com/cheatsheet-minikube-A4>
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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=true</code>
SSH to minikube vm	<code>minikube ssh</code> , <code>ssh -i ~/.minikube/machines/minikube/id_rsa docker@192.168.99.1</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:

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

Flags:

```
--alsologtostderr  log to standard error as well as files
-b, --bootstrapper string  The name of the cluster bootstrapper that will set up the kubernetes
-h, --help            help for minikube
--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
--logtostderr         log to standard error instead of files
-p, --profile string  The name of the minikube VM being used.
                        This can be modified to allow for multiple minikube instances to be
--stderrthreshold severity  logs at or above this threshold go to stderr (default 2)
-v, --v Level         log level for V logs
--vmodule moduleSpec  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

License: Code is licensed under MIT License.

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