

Kubernetes kind CheatSheet

CLOUD

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

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

1.1 Kind Basic

Name	Command
Kind	Kubernetes IN Docker - local clusters for testing Kubernetes
Install kind	Install go and docker, then <code>go get -u sigs.k8s.io/kind</code>
Check kind cli	<code>which kind, kind version</code>
Reference	Minikube CheatSheet, Kubectrl CheatSheet, Kubernetes Yaml

1.2 Kind Command

Name	Command
List all kind clusters	<code>kind get clusters</code>
Get kubeconfig for a given cluster	<code>kind get kubeconfig-path --name \$cluster-name</code>
List all nodes for a given cluster	<code>kind get nodes --name \$cluster_name</code>
Create kind cluster	<code>kind create cluster --name clusterapi</code>
Create cluster with different version of k8s	<code>kind create cluster --image=kindest/node:v1.15.0@sha256:XXX</code>
Delete kind cluster	<code>kind delete cluster --name clusterapi</code>
Load docker image from host to nodes	<code>kind load docker-image debian:9</code>

1.3 Kind Conf

Name	Command
Conf files	<code>/etc/kubernetes</code>
Services start conf files	<code>/etc/kubernetes/manifests</code>
kube api server conf file	<code>/etc/kubernetes/manifests/kube-apiserver.yaml</code>

1.4 Kind Serviceability

Name	Command
Restart kind clusters, after dockerd restarts	<code>docker start kind-control-plane</code> , GitHub: Cluster doesn't restart when docke

1.5 Kind CLI Online Help

```
> kind version
0.3.0-alpha
```

```
> kind --help
kind creates and manages local Kubernetes clusters using Docker container 'nodes'
```

```
Usage:
  kind [command]
```

Available Commands:

```
  build      Build one of [base-image, node-image]
  completion Output shell completion code for the specified shell (bash or zsh)
  create     Creates one of [cluster]
  delete     Deletes one of [cluster]
  export     exports one of [logs]
```

```
get          Gets one of [clusters, nodes, kubeconfig-path]
help         Help about any command
load         Loads images into nodes
version      prints the kind CLI version
```

Flags:

```
-h, --help          help for kind
--loglevel string   logrus log level [panic, fatal, error, warning, info, debug] (default "warning")
--version           version for kind
```

Use "kind [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>