

CheatSheet: rkt

CLOUD

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

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1.1 rkt Basic

| Name | Summary |
|---|--|
| rkt | Initiated by CoreOS |
| rkt key features | rkt doesn't need daemon to run containers; secure-by-default |
| rkt project overall status | GitHub: rkt milestones |
| rkt supported linux distributions | GitHub: Installing rkt on popular Linux distributions |
| Try rkt with vagrant | <code>git clone https://github.com/rkt/rkt, cd rkt, vagrant up</code> |
| Run rkt with minikube | <code>minikube start --network-plugin=cni --container-runtime=rkt</code> |
| Try rkt from web browser | Link: KataKoda CoreOS Rkt - Hello World |
| Run rkt container with coreos registry | <code>sudo rkt run coreos.com/etcd:v3.1.7</code> |
| Run rkt container with docker.io registry | <code>sudo rkt run docker://nginx:latest --insecure-options=image</code> |
| List all containers | <code>sudo rkt list</code> |
| Reference | CheatSheet: Docker, CheatSheet: CRI-O, CheatSheet: rkt, CheatSheet: containerd |

1.2 rkt online usage

```
vagrant@ubuntu-xenial:~$ rkt --help
```

NAME:

rkt - rkt, the application container runner

USAGE:

rkt [command]

VERSION:

1.30.0

COMMANDS:

api-service Run API service (experimental)

cat-manifest Inspect and print the pod manifest

completion Output shell completion code for the specified shell

config Print configuration for each stage in JSON format

enter Enter the namespaces of an app within a rkt pod

export Export an app from an exited pod to an ACI file

fetch Fetch image(s) and store them in the local store

gc Garbage collect rkt pods no longer in use

image cat-manifest Inspect and print the image manifest

image export Export a stored image to an ACI file

image extract Extract a stored image to a directory

image gc Garbage collect local store

image list List images in the local store

image render Render a stored image to a directory with all its dependencies

image rm Remove one or more images with the given IDs or image names from the local store

image verify Verify one or more rendered images in the local store

list List pods

metadata-service Run metadata service

prepare Prepare to run image(s) in a pod in rkt

rm Remove all files and resources associated with an exited pod

run Run image(s) in a pod in rkt

run-prepared Run a prepared application pod in rkt

status Check the status of a rkt pod
stop Stop a pod
trust Trust a key for image verification
version Print the version and exit
help Help about any command

DESCRIPTION:

A CLI for running app containers on Linux.

To get the help on any specific command, run "rkt help command".

OPTIONS:

- debug[=false] print out more debug information to stderr
- dir=/var/lib/rkt rkt data directory
- insecure-options=none comma-separated list of security features to disable. Allowed values: "none", "
- local-config=/etc/rkt local configuration directory
- system-config=/usr/lib/rkt system configuration directory
- trust-keys-from-https[=false] automatically trust gpg keys fetched from https
- user-config= user configuration directory

1.3 More Resources

<https://github.com/rkt/rkt>

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