1   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	`git clone https://github.com/rkt/rkt`, `cd rkt`, `vagrant up`
Run rkt with minikube	`minikube start --network-plugin=cni --container-runtime=rkt`
Try rkt from web browser	Link: KataKoda CoreOS Rkt - Hello World
Run rkt container with coreos registry	`sudo rkt run coreos.com/etcd:v3.1.7`
Run rkt container with docker.io registry	`sudo rkt run docker://nginx:latest --insecure-options=image`
List all containers	`sudo rkt list`
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
```
   License: Code is licensed under MIT License.