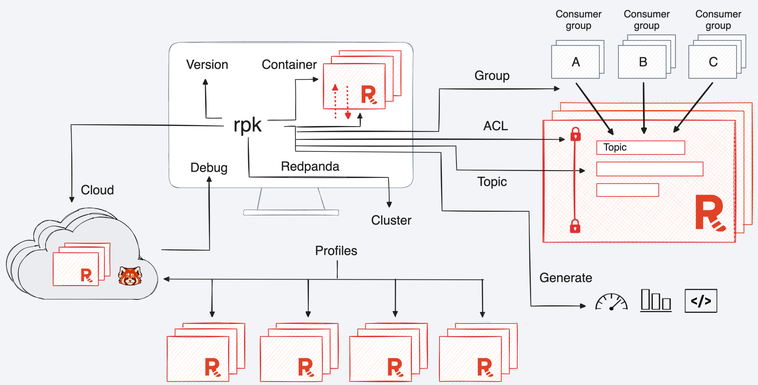
Redpanda rpk cheat sheet



Quick start

Start/stop Redpanda

`rpk container start -n [number]`: Quickly set up Redpanda on your local machine using Docker

`rpk container stop`: Stop Redpanda on your local machine

`rpk container purge`: Remove cluster data on your local machine

`rpk redpanda mode dev`: Switch to development mode

Manage profiles

`rpk profile list`: List available profiles

`rpk profile create [profile-name]`: Create a profile

`rpk profile use [profile-name]`: Switch to a specific profile

`rpk profile set kafka_api.brokers=[broker-address:port]`: Set profile cluster address

`rpk profile set admin_api.addresses=[admin-address:port]`: Set profile cluster admin address

`rpk profile edit [profile-name]`: Edit an existing profile

Produce/consume topics

`rpk topic create [topic-name] -p [partition number]`: Create a topic

`rpk topic produce [topic-name]`: Produce data to a specific topic

`rpk topic produce [topic-name] -f '%k %v\n'`: Produce data with key and value to a specific topic

`rpk topic consume [topic-name] -f '%k %v\n' -o @-60m:end`: Consume data since last hour from a topic, showing key and value

`rpk topic delete [topic-name]`: Delete a topic

Manage clusters

`rpk version`: View cluster version and rpk build information.

`rpk cluster config edit`: Edit cluster-level configuration

`rpk cluster config set [property] [value]`: Set specific cluster properties

`rpk cluster config import -f [config-file]`: Import configuration from a file

`rpk cluster config force-reset [property]`: Reset a specific property to its default value

`rpk cluster storage recovery`: Recover storage

Upgrade clusters

`rpk cluster maintenance enable/disable [broker-id]`: Change maintenance mode

`rpk cluster maintenance status`: Check maintenance mode status

`rpk cluster partitions balancer-status`: View information about topic partitions and leader assignments

`rpk cluster self-test start/stop/status`: Run tests to diagnose cluster health

`rpk cluster health`: Check the overall health of the cluster

`rpk cluster info`: Display cluster information

Manage brokers

`rpk redpanda start/stop`: Start or stop a Redpanda broker

`rpk redpanda admin brokers list`: List brokers in a cluster

`rpk redpanda admin brokers decommission [broker-id]`: Decommission a broker

`rpk redpanda admin brokers recommission [broker-id]`: Recommission a broker

`rpk debug bundle --logs-since [YYYY-MM-DD] --logs-size-limit [SIZE]`: Collect environment data into a ZIP file

`rpk redpanda tune`: Optimize Redpanda settings for your machine's hardware (Linux only)

`rpk iotune`: Enhance I/O performance for a specific Redpanda setup (Linux only)

`rpk redpanda config set [property] [value]`: Configure specific broker properties

Manage topics

`rpk topic list`: List all topics in the cluster

`rpk topic produce [topic-name]`: Produce data to a specific topic

`rpk topic trim-prefix [topic-name] --offset [offset]`: Trim records from a topic to free up space

`rpk topic add-partitions [topic-name] --num [number]`: Add partitions to a topic

`rpk topic alter-config [topic-name] --set [property]=[value]`: Modify topic configuration

`rpk topic consume [topic-name] -f '[format]' -o [offset]`: Consume data from a topic

Security and access control

`rpk acl user create/delete [user-name] --password [password]`: Create/delete a single SASL user with the given password

`rpk acl create --allow-principal User:[user-name] --operation [read/write/all]`: Create a single SASL user with the given password

`rpk acl user list`: List SASL users

`rpk acl list`: List ACL rules

Generate templates

`rpk generate prometheus-config --seed-addr [address]`: Generate Prometheus configuration

`rpk generate grafana-dashboard --dashboard [dashboard-name]`: Generate Grafana dashboard configuration

Cloud integration

`rpk cloud login`: Log in to Redpanda Cloud

`rpk cloud logout --clear-credentials`: Log out of Redpanda Cloud

`rpk cloud byoc [aws/gcp] apply --redpanda-id=[redpanda-cluster-id]`: Provision Redpanda BYOC agent

Video walkthrough

▶ Click here to watch on Redpanda.com