

# Podman CLI Commands Cheatsheet

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For a full reference go to <https://docs.podman.io/en/latest/Commands.html> (alternatively the Docker documentation: <https://docs.docker.com/engine/reference/commandline/cli/>)

## pull

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*Download an image from a registry*

**Ex:** `podman pull <image_name>`

## build

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*Build an image from a Dockerfile*

**Ex:** `podman build -t <image_name> .`

## rmi

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*Remove one or more images*

**Ex:** `podman rmi <image_name>`

## run

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*Run a command in a new container*

**Ex:** `podman run --interactive --tty --rm --name <container_name> --publish <host_port>:<container_port> <image_name>`

- `--interactive` -> Keep STDIN open even if not attached
- `--tty` -> Allocate a pseudo-TTY
- `--name` -> Assign a name to the container
- `--publish` -> Publish a container's port(s) to the host
- `--rm` -> Automatically remove the container when it exits

## exec

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*Run a command in a running container*

**Ex:** `podman exec -it <container_name> /bin/bash`

## stop

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*Stop one or more running containers*

**Ex:** podman stop <container\_name>

## start

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*Start one or more stopped containers*

**Ex:** podman start <container\_name>

## rm

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*Remove one or more containers*

**Ex:** podman rm <container\_name>

## ps

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*List containers*

**Ex:** podman ps

## images

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*List images*

**Ex:** podman images

## logs

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*Fetch the logs of a container*

**Ex:** podman logs <container\_name>

## help

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*Get help on a command*

**Ex:** podman help

## attach

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*Attach local standard input, output, and error streams to a running container*

**Ex:** podman attach <container\_name>

## ps

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*List containers*

**Ex:** podman ps

**Ex:** podman ps --all

- --all -> List all containers, including stopped ones

## container

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*Manage containers*

**Ex:** podman container ls

- Alias for podman ps

**Ex:** podman container rm

- Alias for podman rm

## kill

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*Kill one or more running containers*

**Ex:** podman kill <container\_name>

# Podman Compose Cheatsheet

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For a full reference go to <https://docs.docker.com/compose/reference/> (note that podman-compose is 1:1 with docker-compose)

## up

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*Run containers*

Ex: `podman-compose up --detach`

- `--detach` -> Detached mode: Run containers in the background, print new container names

## down

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*Stop and remove containers, networks, images, and volumes*

Ex: `podman-compose down`

## ps

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*List containers*

Ex: `podman-compose ps`

## restart

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*Restart services*

Ex: `podman-compose restart`

## logs

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*View output from containers*

Ex: `podman-compose logs`

## exec

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*Run a command in a running container*

Ex: `podman-compose exec <service_name> /bin/bash`

- `<service_name>` -> Service name defined in `docker-compose.yml`
- `/bin/bash` -> Command to run, in this case a `bash` shell

## build

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*Build or rebuild services*

**Ex:** `podman-compose build`

## pull

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*Pull service images*

**Ex:** `podman-compose pull`

## push

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*Push service images*

**Ex:** `podman-compose push`

## start

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*Start services*

**Ex:** `podman-compose start`

## stop

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*Stop services*

**Ex:** `podman-compose stop`

## help

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*Get help on a command*

**Ex:** `podman-compose help`

- `<command>` -> Command to get help on

## port

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*Print the public port for a port binding*

**Ex:** `podman-compose port <service_name> <container_port>`

- `<service_name>` -> Service name defined in `docker-compose.yml`
- `<container_port>` -> Container port defined in `docker-compose.yml`

## scale

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*Set number of containers for a service*

**Ex:** `podman-compose scale <service_name>=<number_of_containers>`

- `<service_name>` -> Service name defined in `docker-compose.yml`
- `<number_of_containers>` -> Number of containers to scale

## kill

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*Kill containers*

**Ex:** `podman-compose kill <service_name>`

- `<service_name>` -> Service name defined in `docker-compose.yml`

## pause

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*Pause services*

**Ex:** `podman-compose pause <service_name>`

- `<service_name>` -> Service name defined in `docker-compose.yml`

## unpause

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*Unpause services*

**Ex:** `podman-compose unpause <service_name>`

- `<service_name>` -> Service name defined in `docker-compose.yml`