Red Hat Enterprise Linux Release 9.2 Manual Pages on 'runc.8' command

$ man runc.8

runc(8)   System Manager's Manual   runc(8)

NAME

   runc - Open Container Initiative runtime

SYNOPSIS

   runc [global-option ...] command [command-option ...] [argument ...]

DESCRIPTION

   runc is a command line client for running applications packaged accord?

   ing to the Open Container Initiative (OCI) format and is a compliant

   implementation of the Open Container Initiative specification.

   runc integrates well with existing process supervisors to provide a

   production container runtime environment for applications. It can be

   used with your existing process monitoring tools and the container will

   be spawned as a direct child of the process supervisor.

   Containers are configured using bundles. A bundle for a container is a

   directory that includes a specification file named config.json and a

   root filesystem. The root filesystem contains the contents of the con?

   tainer.

   To run a new instance of a container:

        # runc run [-b bundle] container-id

   Where container-id is your name for the instance of the container that

   you are starting. The name you provide for the container instance must

   be unique on your host.

   Providing the bundle directory using -b is optional. The default value

for bundle is the current directory.

COMMANDS

checkpoint

Checkpoint a running container. See runc-checkpoint(8).

create Create a container. See runc-create(8).

delete Delete any resources held by the container often used with de?

tached containers. See runc-delete(8).

events Display container events such as OOM notifications, cpu, memory,

IO and network stats. See runc-events(8).

exec   Execute a new process inside the container. See runc-exec(8).

init   Initialize the namespaces and launch the container init process.

This command is not supposed to be used directly.

kill   Send a specified signal to the container's init process. See

runc-kill(8).

list   List containers started by runc with the given --root. See

runc-list(8).

pause Suspend all processes inside the container. See runc-pause(8).

ps   Show processes running inside the container. See runc-ps(8).

restore

Restore a container from a previous checkpoint. See runc-re?

store(8).

resume Resume all processes that have been previously paused. See

runc-resume(8).

run   Create and start a container. See runc-run(8).

spec   Create a new specification file (config.json). See runc-spec(8).

start Start a container previously created by runc create. See

runc-start(8).

state Show the container state. See runc-state(8).

update Update container resource constraints. See runc-update(8).

help, h

Show a list of commands or help for a particular command.

GLOBAL OPTIONS

These options can be used with any command, and must precede the com?

mand.

--debug

    Enable debug logging.

--log path

    Set the log destination to path. The default is to log to stderr.

--log-format text|json

    Set the log format (default is text).

--root path

    Set the root directory to store containers' state. The path should be located on tmpfs. Default is /run/runc, or $XDG_RUN?TIME_DIR/runc for rootless containers.

--criu path

    Set the path to the criu(8) binary used for checkpoint and re?store. Default is criu.

--systemd-cgroup

    Enable systemd cgroup support. If this is set, the container spec (config.json) is expected to have cgroupsPath value in the slice:prefix:name form (e.g. system.slice:runc:434234).

--rootless true|false|auto

    Enable or disable rootless mode. Default is auto, meaning to auto-detect whether rootless should be enabled.

--help|-h

    Show help.

--version|-v

    Show version.

SEE ALSO

runc-checkpoint(8), runc-create(8), runc-delete(8), runc-events(8), runc-exec(8), runc-kill(8), runc-list(8), runc-pause(8), runc-ps(8), runc-restore(8), runc-resume(8), runc-run(8), runc-spec(8), runc-start(8), runc-state(8), runc-update(8).

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