

**NAME**

**runc-exec** – execute new process inside the container

**SYNOPSIS**

**runc exec** [*option ...*] *container-id* [--] *command* [*arg ...*]

**runc exec** [*option ...*] **-p** *process.json* *container-id*

**OPTIONS**

**--console-socket** *path* : Path to an **AF\_UNIX** socket which will receive a file descriptor referencing the master end of the console's pseudoterminal. See docs/terminals (<https://github.com/opencontainers/runc/blob/master/docs/terminals.md>).

**--cwd** *path* : Change to *path* in the container before executing the command.

**--env|-e** *name=value* : Set an environment variable *name* to *value*. Can be specified multiple times.

**--tty|-t** : Allocate a pseudo-TTY.

**--user|-u** *uid[:gid]* : Run the *command* as a user (and, optionally, group) specified by *uid* (and *gid*).

**--additional-gids|-g** *gid* : Add additional group IDs. Can be specified multiple times.

**--process|-p** *process.json* : Instead of specifying all the exec parameters directly on the command line, get them from a *process.json*, a JSON file containing the process specification as defined by the OCI runtime spec (<https://github.com/opencontainers/runtime-spec/blob/master/config.md#process>).

**--detach|-d** : Detach from the container's process.

**--pid-file** *path* : Specify the file to write the container process' PID to.

**--process-label** *label* : Set the asm process label for the process commonly used with **selinux(7)**.

**--apparmor** *profile* : Set the **apparmor(7)** *profile* for the process.

**--no-new-privs** : Set the "no new privileges" value for the process.

**--cap** *cap* : Add a capability to the bounding set for the process. Can be specified multiple times.

**--preserve-fds** *N* : Pass *N* additional file descriptors to the container (**stdio** + **\$LISTEN\_FDS** + *N* in total). Default is **0**.

**--ignore-paused** : Allow exec in a paused container. By default, if a container is paused, **runc exec** errors out; this option can be used to override it. A paused container needs to be resumed for the exec to complete.

**--cgroup** *path* | *controller*[,*controller*...]:*path* : Execute a process in a sub-cgroup. If the specified cgroup does not exist, an error is returned. Default is empty path, which means to use container's top level cgroup. : For cgroup v1 only, a particular *controller* (or multiple comma-separated controllers) can be specified, and the option can be used multiple times to set different paths for different controllers. : Note for cgroup v2, in case the process can't join the top level cgroup, **runc exec** fallback is to try joining the cgroup of container's init. This fallback can be disabled by using **--cgroup /**.

## EXIT STATUS

Exits with a status of *command* (unless **-d** is used), or **255** if an error occurred.

## EXAMPLES

If the container can run **ps(1)** command, the following will output a list of processes running in the container:

```
# runc exec <container-id> ps
```

## SEE ALSO

**runc(8)**.