Rocky Enterprise Linux 9.2 Manual Pages on command 'podman-exec.1'

$ man podman-exec.1

podman-exec(1)()   podman-exec(1)()

NAME

   podman-exec - Execute a command in a running container

SYNOPSIS

   podman exec [options] container [command [arg ...]]

   podman container exec [options] container [command [arg ...]]

DESCRIPTION

   podman exec executes a command in a running container.

OPTIONS

  --detach, -d

   Start the exec session, but do not attach to it. The command will run in the background

   and the exec session will be automatically removed when it completes. The podman exec com?

   mand will print the ID of the exec session and exit immediately after it starts.

  --detach-keys=sequence

   Specify the key sequence for detaching a container. Format is a single character [a-Z] or

   one or more ctrl-<value> characters where <value> is one of: a-z, @, ^, [, , or _. Speci?

   fying "" will disable this feature. The default is ctrl-p,ctrl-q.

  --env, -e

   You may specify arbitrary environment variables that are available for the command to be

   executed.

  --env-file=file

   Read in a line delimited file of environment variables.

  --interactive, -i=true|false

When set to true, keep stdin open even if not attached. The default is false.

--latest, -l

Instead of providing the container name or ID, use the last created container. If you use

methods other than Podman to run containers such as CRI-O, the last started container

could be from either of those methods. (This option is not available with the remote Pod?

man client)

--preserve-fds=N

Pass down to the process N additional file descriptors (in addition to 0, 1, 2). The to?

tal FDs will be 3+N.

--privileged

Give extended privileges to this container. The default is false.

By default, Podman containers are "unprivileged" and cannot, for example, modify parts of

the operating system. This is because by default a container is only allowed limited ac?

cess to devices. A "privileged" container is given the same access to devices as the user

launching the container.

A privileged container turns off the security features that isolate the container from the

host. Dropped Capabilities, limited devices, read/only mount points, Apparmor/SELinux sep?

aration, and Seccomp filters are all disabled.

Rootless containers cannot have more privileges than the account that launched them.

--tty, -t

Allocate a pseudo-TTY.

--user, -u

Sets the username or UID used and optionally the groupname or GID for the specified com?

mand. The following examples are all valid: --user [user | user:group | uid | uid:gid |

user:gid | uid:group]

--workdir, -w=path

Working directory inside the container

The default working directory for running binaries within a container is the root direc?

tory (/). The image developer can set a different default with the WORKDIR instruction,

which can be overridden when creating the container.

Exit Status

The exit code from podman exec gives information about why the command within the con?

tainer failed to run or why it exited. When podman exec exits with a non-zero code, the

exit codes follow the chroot standard, see below:

125 The error is with Podman itself

```
$ podman exec --foo ctrID /bin/sh; echo $?
```

Error: unknown flag: --foo

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126 The contained command cannot be invoked

```
$ podman exec ctrID /etc; echo $?
```

Error: container_linux.go:346: starting container process caused "exec: \"/etc\": permission denied": OCI runtime

error

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127 The contained command cannot be found

```
$ podman exec ctrID foo; echo $?
```

Error: container_linux.go:346: starting container process caused "exec: \"foo\": executable file not found in $PATH":

OCI runtime error

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Exit code The contained command exit code

```
$ podman exec ctrID /bin/sh -c 'exit 3'; echo $?
```

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EXAMPLES

```
$ podman exec -it ctrID ls
$ podman exec -it -w /tmp myCtr pwd
$ podman exec --user root ctrID ls
```

SEE ALSO

podman(1), podman-run(1)

HISTORY

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hat.com?

<div align="center">podman-exec(1)()</div>