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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'podman-top.1' command

\$ man podman-top.1

podman-top(1) General Commands Manual podman-top(1)

NAME

podman-top - Display the running processes of a container

SYNOPSIS

podman top [options] container [format-descriptors]

podman container top [options] container [format-descriptors]

DESCRIPTION

Display the running processes of the container. The format-descriptors are ps (1) compatible AIX format descriptors but extended to print additional information, such as the seccomp mode or the effective capabilities of a given process. The descriptors can either be passed as separated arguments or as a single comma-separated argument. Note that options and or flags of ps(1) can also be specified; in this case, Podman will fallback to executing ps with the specified arguments and flags in the container. Please use the "h*" descriptors to extract host-related information. For instance, podman top \$name hpid huser to display the PID and user of the processes in the host context.

OPTIONS

--help, -h

Print usage statement

--latest, -l

Instead of providing the container name or ID, use the last created container. Note: the last started container could be from other users

of Podman on the host machine. (This option is not available with the remote Podman client, including Mac and Windows (excluding WSL2 machines))

FORMAT DESCRIPTORS

The following descriptors are supported in addition to the AIX format descriptors mentioned in `ps (1)`:

`args`, `capbnd`, `capeff`, `capinh`, `capprm`, `comm`, `etime`, `group`, `hgroup`, `hpid`, `huser`, `label`, `nice`, `pcpu`, `pgid`, `pid`, `ppid`, `rgroup`, `ruser`, `seccomp`, `state`, `time`, `tty`, `user`, `vsz`

`capbnd`

Set of bounding capabilities. See `capabilities (7)` for more information.

`capeff`

Set of effective capabilities. See `capabilities (7)` for more information.

`capinh`

Set of inheritable capabilities. See `capabilities (7)` for more information.

`capprm`

Set of permitted capabilities. See `capabilities (7)` for more information.

`hgroup`

The corresponding effective group of a container process on the host.

`hpid`

The corresponding host PID of a container process.

`huser`

The corresponding effective user of a container process on the host.

`label`

Current security attributes of the process.

`seccomp`

Seccomp mode of the process (i.e., disabled, strict or filter). See `seccomp (2)` for more information.

`state`

Process state codes (e.g, R for running, S for sleeping). See `proc(5)` for more information.

`stime`

Process start time (e.g, "2019-12-09 10:50:36 +0100 CET).

EXAMPLES

By default, `podman-top` prints data similar to `ps -ef`:

```
$ podman top f5a62a71b07
```

```
USER PID PPID %CPU ELAPSED TTY TIME COMMAND
root 1 0 0.000 20.386825206s pts/0 0s sh
root 7 1 0.000 16.386882887s pts/0 0s sleep
root 8 1 0.000 11.386886562s pts/0 0s vi
```

The output can be controlled by specifying format descriptors as arguments

after the container:

```
$ podman top -l pid seccomp args %C
```

```
PID SECCOMP COMMAND %CPU
1 filter sh 0.000
8 filter vi /etc/ 0.000
```

Podman will fallback to executing `ps(1)` in the container if an unknown descriptor is specified.

```
$ podman top -l -- aux
```

```
USER PID PPID %CPU ELAPSED TTY TIME COMMAND
root 1 0 0.000 1h2m12.497061672s ? 0s sleep 100000
```

SEE ALSO

`podman(1)`, `ps(1)`, `seccomp(2)`, `proc(5)`, `capabilities(7)`

HISTORY

July 2018, Introduce format descriptors by Valentin Rothberg vrothberg@suse.com

[?mailto:vrothberg@suse.com?](mailto:vrothberg@suse.com)

December 2017, Originally compiled by Brent Baude bbaude@redhat.com

[?mailto:bbaude@redhat.com?](mailto:bbaude@redhat.com)

`podman-top(1)`