











• Issues 596

17 Pull requests 218

Actions

Security 1

✓ Insights

## dockerd: failed to start daemon: Devices cgroup isn't mounted #2104



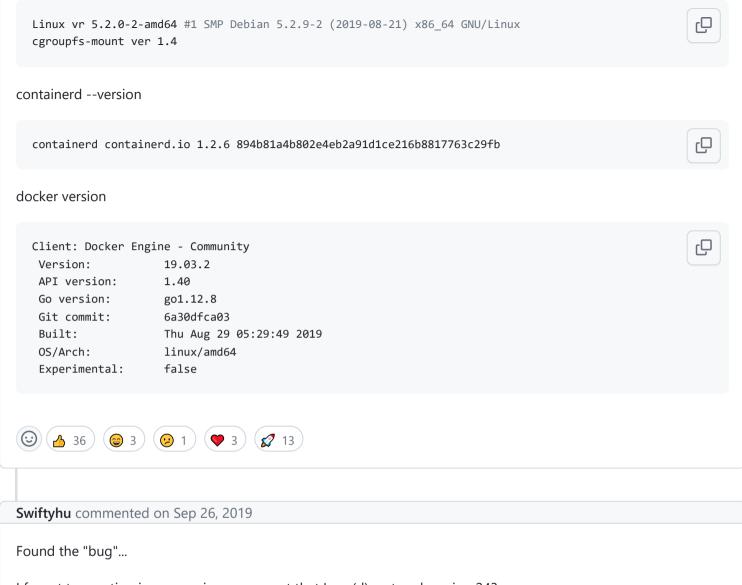


lyndalopez544 opened this issue on Sep 25, 2019 · 30 comments



## lyndalopez544 commented on Sep 25, 2019 • edited -Description The problematic part of dockerd 's output: Q WARN[2019-09-24T16:38:43.968826308Z] Your kernel does not support cgroup memory limit WARN[2019-09-24T16:38:43.968902465Z] Unable to find cpu cgroup in mounts WARN[2019-09-24T16:38:43.968935049Z] Unable to find blkio cgroup in mounts WARN[2019-09-24T16:38:43.969017890Z] Unable to find cpuset cgroup in mounts WARN[2019-09-24T16:38:43.969031008Z] mountpoint for pids not found failed to start daemon: Devices cgroup isn't mounted Output of cgroupfs-mount: mount: /sys/fs/cgroup/cpu: cgroup already mounted on /sys/fs/cgroup/cpuset. mount: /sys/fs/cgroup/blkio: cgroup already mounted on /sys/fs/cgroup/cpuset. mount: /sys/fs/cgroup/memory: cgroup already mounted on /sys/fs/cgroup/cpuset. mount: /sys/fs/cgroup/pids: cgroup already mounted on /sys/fs/cgroup/cpuset. Output of docker version: Client: Docker Engine - Community 19.03.2 Version: API version: 1.40

go1.12.8 Go version: Git commit: 6a30dfc Built: Thu Aug 29 05:29:29 2019 OS/Arch: linux/amd64 Experimental: false Cannot connect to the Docker daemon at unix:///var/run/docker.sock. Is the docker daemon running? Output of docker info: Client: Debug Mode: false Server: ERROR: Cannot connect to the Docker daemon at unix:///var/run/docker.sock. Is the docker daemon running? errors pretty printing info Running physically on Debian 10 with kernel 5.3.0-rc5-amd64 (👍 31) Swiftyhu commented on Sep 26, 2019 I have the same issue. However I found a workaround: Q service docker stop service containerd stop cgroupfs-umount cgroupfs-mount service containerd start service docker start Sysinfo:





I forgot to mention in my previous comment that I use(d) systemd version 243. With systemd 242 works everything flawlessly...:)

From the systemd changelog:

\* systemd now defaults to the "unified" cgroup hierarchy setup during build-time, i.e. -Ddefault-hierarchy=unified is now the build-time default. Previously, -Ddefault-hierarchy=hybrid was the default. This change reflects the fact that cgroupsv2 support has matured substantially in both systemd and in the kernel, and is clearly the way forward. Downstream production distributions might want to

continue to use -Ddefault-hierarchy=hybrid (or even =legacy) for their builds as unfortunately the popular container managers have not caught up with the kernel API changes. Sooo... Houston, we have a problem: 1. systemd will (or already did) jump on the cgroupsv2 bandwagon... 2. cgroupfs-mount tools does not work with newer systemd setups. "Same" issue in kubernetes 12 kj54321 commented on Oct 30, 2019 • edited ▼ Hi All, Q Seems issue still persist on latest Fedora 31, even with adding extra command --exec-opt native.cgroupdriver=systemd And per upstream workaround, which works temporarily with cgroup v1. However, the question lays on how do we address/fix this issue permanently as it's kernel API relater Thanks (👍 15 ) moughamir commented on Nov 15, 2019 @kj54321 Fixed by the workaround suggested, just add the argument systemd.unified cgroup hierarchy=0 in grub











## narfman0 commented on Dec 10, 2019

Very old fedora install here. I:

- 1. Added GRUB\_CMDLINE\_LINUX="systemd.unified\_cgroup\_hierarchy=0" to /etc/default/grub
- 2. Ran grub2-mkconfig -o /boot/grub2/grub.cfg
- 3. Ran reboot

and everything was happy











## duckinator commented on Jan 1, 2020

Running this on Fedora 31, after an in-place upgrade from Fedora 30, works:

sudo grubby --args='systemd.unified\_cgroup\_hierarchy=0' --update-kernel /boot/vmlinuz-5.3.16-300.fc31.x86\_64



See a specific comment on the Fedora 31 bug report and the Fedora 31 documentation on using grubby.



