New issue

Several permission issues when running podman rootless on Debian 11 Bullseye #14878

Closed

luckylinux opened on Jul 9, 2022 · edited by luckylinux

Edits

Is this a BUG REPORT or FEATURE REQUEST? (leave only one on its own line)

/kind bug

Description

After instaling Podman on Debian 11 Bullseye AMD64, I am experiencing several permissions issues. Furthermore, several processes or directories change from "podman" user (the user that will run podman containers) to "root". This applies to /run/user/1001/libpod/* and /home/podman/.local/share/containers/storage/overlay/l for instance.

Steps to reproduce the issue:

1. Run attached script to setup Rootless Podman on Vanilla Debian 11 Bullseye

2. Run "podman info"

Describe the results you received:
3. Depending on some unidentified factors the result can either be:
a. [0000] XDG_RUNTIME_DIR directory "/run/user/1001" is not owned by the current user
b. Error: chown /home/podman/.local/share/containers/storage/overlay/l: operation not permitted

```
ls -ld /home/podman/.local/share/containers/storage/overlay/*
drwx------ 6 podman podman 4096 Jul  8 01:17
/home/podman/.local/share/containers/storage/overlay/08249ce7456a1c0613eafe868aed936a284ed9f1d6144f7d2d08c514974a2af9
drwx------ 5 podman podman 4096 Jul  8 01:18
/home/podman/.local/share/containers/storage/overlay/3e153b421881f0e7bdc8ad13588fbdd756e5c18289f491aace15a3cb278cac66
drwx------ 5 podman podman 4096 Jul  8 01:18
/home/podman/.local/share/containers/storage/overlay/926c8f89c9b92c24fb813a339b72ce7a1422506869adbddacb0da309bbb36aeb
drwx------ 5 podman podman 4096 Jul  8 01:18
/home/podman/.local/share/containers/storage/overlay/cdb109fa8c3e904d750d50e76f27d5b0ba7b9d9f311849511536a0b70e2af268
drwx------ 5 podman podman 4096 Jul  8 01:17
/home/podman/.local/share/containers/storage/overlay/da1f8336da190a692b3542627504aec6d743f9017bbca328c30144e81d0476d7
drwx------ 5 podman podman 4096 Jul  8 01:17
/home/podman/.local/share/containers/storage/overlay/df62b501daeb754940526c9d3f5a77efe5e3ed2f216754eb98bed05966d2d9af
drwx------ 5 podman podman 4096 Jul  8 01:18
/home/podman/.local/share/containers/storage/overlay/fb8e07fe6bce5142f78a951136702b2f7de1ad92212e4693a9f31ee6f00f16b9
drwx------ 2 root   root   4096 Jul  8 01:18 /home/podman/.local/share/containers/storage/overlay/l
```

c. runtime init lock: error opening /run/user/0/libpod/tmp/alive.lck: permission denied
d. ERRO[0000] set sticky bit on: chmod /run/user/1001/libpod: operation not permitted

```
ls -ld /run/user/1001/*
 srw-rw-rw- 1 podman podman   0 Jul  9 07:20 /run/user/1001/bus
 drwx------ 6 root   root   120 Jul  9 07:20 /run/user/1001/containers
 drwx------ 2 podman podman 140 Jul  9 07:20 /run/user/1001/gnupg
 drwxr-x--x 3 root   root    60 Jul  9 07:20 /run/user/1001/libpod
 drwxr-xr-x 4 podman podman 120 Jul  9 07:20 /run/user/1001/systemd
```

Describe the results you expected:
podman info running expected

Additional information you deem important (e.g. issue happens only occasionally):
Error message seems to be somewhat inconsistent. Reboot can change the type of message.
Changing permissions (chown -R podman:podman /run/user/1001/ or chown -R podman:podman /home/podman/.local/share/containers/storage/overlay/*) seems to not being able to survive reboots. While this can be understood for /run/user/*, I cannot understand it for /home/*.

Output of `podman version`:
Tried both Debian stable (v 3.0.1) and alvistack repository (v 4.1.1).

```
3.0.1/4.1.1
```

Output of `podman info --debug`:

```
podman info --debug
Error: chown /home/podman/.local/share/containers/storage/overlay/l: operation not permitted
```

Package info (e.g. output of `rpm -q podman` or `apt list podman`):

```
apt list podman
Listing... Done
podman/unknown,now 100:4.1.1-1 amd64 [installed]
N: There are 5 additional versions. Please use the '-a' switch to see them.
```

Have you tested with the latest version of Podman and have you checked the Podman Troubleshooting Guide? (https://github.com/containers/podman/blob/main/troubleshooting.md)

Yes - To no avail.

Additional environment details (AWS, VirtualBox, physical, etc.):

```
systemctl status podman.service podman.socket
● podman.service - Podman API Service
     Loaded: loaded (/lib/systemd/system/podman.service; enabled; vendor preset: enabled)
     Active: inactive (dead) since Sat 2022-07-09 10:37:27 CEST; 21min ago
TriggeredBy: ● podman.socket
       Docs: man:podman-system-service(1)
    Process: 462 ExecStart=/usr/bin/podman $LOGGING system service (code=exited, status=0/SUCCESS)
   Main PID: 462 (code=exited, status=0/SUCCESS)
        CPU: 93ms

Jul 09 10:37:22 ContainerServer15 systemd[1]: Starting Podman API Service...
Jul 09 10:37:22 ContainerServer15 systemd[1]: Started Podman API Service.
Jul 09 10:37:22 ContainerServer15 podman[462]: time="2022-07-09T10:37:22+02:00" level=info msg="/usr/bin/podman filtering at log level info"
Jul 09 10:37:22 ContainerServer15 podman[462]: time="2022-07-09T10:37:22+02:00" level=info msg="Setting parallel job count to 25"
Jul 09 10:37:22 ContainerServer15 podman[462]: time="2022-07-09T10:37:22+02:00" level=info msg="Using systemd socket activation to determine API
```

```
endpoint"
Jul 09 10:37:22 ContainerServer15 podman[462]: time="2022-07-09T10:37:22+02:00" level=info msg="API service listening on
\"/run/podman/podman.sock\". URI: \"/run/podman/podman.sock\""
Jul 09 10:37:22 ContainerServer15 podman[462]: time="2022-07-09T10:37:22+02:00" level=info msg="API service listening on
\"/run/podman/podman.sock\""
Jul 09 10:37:27 ContainerServer15 systemd[1]: podman.service: Succeeded.

● podman.socket - Podman API Socket
     Loaded: loaded (/lib/systemd/system/podman.socket; enabled; vendor preset: enabled)
     Active: active (listening) since Sat 2022-07-09 10:37:22 CEST; 22min ago
   Triggers: ● podman.service
       Docs: man:podman-system-service(1)
     Listen: /run/podman/podman.sock (Stream)
     CGroup: /system.slice/podman.socket

Jul 09 10:37:22 ContainerServer15 systemd[1]: Listening on Podman API Socket.
```

As root:

```
systemctl --user status podman.service podman.socket
Failed to connect to bus: Operation not permitted (consider using --machine=<user>@.host --user to connect to bus of other user)
```

as podman:

```
systemctl --user status podman.service podman.socket
Unit podman.service could not be found.
Unit podman.socket could not be found.
```

Running inside Proxmox VE KVM Machine (CPU configured as "host", so it should really be like bare metal)

```
pveversion --verbose
proxmox-ve: 7.2-1 (running kernel: 5.15.35-2-pve)
pve-manager: 7.2-4 (running version: 7.2-4/ca9d43cc)
pve-kernel-5.15: 7.2-4
pve-kernel-helper: 7.2-4
pve-kernel-5.15.35-2-pve: 5.15.35-5
ceph-fuse: 14.2.21-1
corosync: 3.1.5-pve2
```

```
criu: 3.15-1+pve-1
glusterfs-client: 9.2-1
ifupdown: residual config
ifupdown2: 3.1.0-1+pmx3
libjs-extjs: 7.0.0-1
libknet1: 1.24-pve1
libproxmox-acme-perl: 1.4.2
libproxmox-backup-qemu0: 1.3.1-1
libpve-access-control: 7.2-2
libpve-apiclient-perl: 3.2-1
libpve-common-perl: 7.2-2
libpve-guest-common-perl: 4.1-2
libpve-http-server-perl: 4.1-2
libpve-storage-perl: 7.2-4
libspice-server1: 0.14.3-2.1
lvm2: 2.03.11-2.1
lxc-pve: 4.0.12-1
lxcfs: 4.0.12-pve1
novnc-pve: 1.3.0-3
proxmox-backup-client: 2.2.3-1
proxmox-backup-file-restore: 2.2.3-1
proxmox-mini-journalreader: 1.3-1
proxmox-widget-toolkit: 3.5.1
pve-cluster: 7.2-1
pve-container: 4.2-1
pve-docs: 7.2-2
pve-edk2-firmware: 3.20210831-2
pve-firewall: 4.2-5
pve-firmware: 3.4-2
pve-ha-manager: 3.3-4
pve-i18n: 2.7-2
pve-qemu-kvm: 6.2.0-10
pve-xtermjs: 4.16.0-1
qemu-server: 7.2-3
smartmontools: 7.2-pve3
spiceterm: 3.2-2
swtpm: 0.7.1~bpo11+1
vncterm: 1.7-1
zfsutils-linux: 2.1.4-pve1
```

** Scripts to setup system & reproduce issue
upgrade_podman_v4.txt
setup_podman.txt

** Needed to add in ~/.bashrc and ~/.bash_profile

```
export XDG_RUNTIME_DIR=/run/user/$UID
```

Otherwise XDG_RUNTIME_DIR would refault to /run/user/0 (root)

openshift-ci added kind/bug on Jul 9, 2022

luckylinux on Jul 9, 2022 Author

Several edits in order to enclose commands/results in code blocks.

luckylinux on Jul 9, 2022 · edited by luckylinux Edits Author

I also tried to setup systemd as user and disable root-level podman.

As user:

```
# Setup Systemd
# Source: https://salsa.debian.org/debian/libpod/-/blob/debian/sid/contrib/systemd/README.md#user-podman-service-run-as-given-user-aka-rootless
# Need to execute as podman user
# Setup files
sudo -u $user mkdir -p ~/.config/systemd/user
sudo -u $user cp /lib/systemd/user/podman.service ~/.config/systemd/user/
sudo -u $user cp /lib/systemd/user/podman.socket ~/.config/systemd/user/

# Enable services
```

```
sudo -u $user systemctl --user enable podman.socket
sudo -u $user systemctl --user start podman.socket
sudo -u $user systemctl --user status podman.socket podman.service
```

However usual permission errors:

```
systemctl --user status podman.socket podman.service
● podman.socket - Podman API Socket
     Loaded: loaded (/home/podman/.config/systemd/user/podman.socket; enabled; vendor preset: enabled)
     Active: active (listening) since Sat 2022-07-09 11:41:32 CEST; 1min 49s ago
   Triggers: ● podman.service
       Docs: man:podman-system-service(1)
     Listen: /run/user/1001/podman/podman.sock (Stream)
     CGroup: /user.slice/user-1001.slice/user@1001.service/app.slice/podman.socket

Jul 09 11:41:32 ContainerServer15 systemd[525]: Listening on Podman API Socket.

● podman.service - Podman API Service
     Loaded: loaded (/home/podman/.config/systemd/user/podman.service; disabled; vendor preset: enabled)
     Active: failed (Result: exit-code) since Sat 2022-07-09 11:43:14 CEST; 7s ago
TriggeredBy: ● podman.socket
       Docs: man:podman-system-service(1)
    Process: 684 ExecStart=/usr/bin/podman $LOGGING system service (code=exited, status=1/FAILURE)
   Main PID: 684 (code=exited, status=1/FAILURE)
        CPU: 20ms

Jul 09 11:43:14 ContainerServer15 systemd[525]: Starting Podman API Service...
Jul 09 11:43:14 ContainerServer15 systemd[525]: Started Podman API Service.
Jul 09 11:43:14 ContainerServer15 podman[684]: time="2022-07-09T11:43:14+02:00" level=error msg="set sticky bit on: chmod /run/user/1001/libpod:
operation not permitted"
Jul 09 11:43:14 ContainerServer15 systemd[525]: podman.service: Main process exited, code=exited, status=1/FAILURE
Jul 09 11:43:14 ContainerServer15 systemd[525]: podman.service: Failed with result 'exit-code'.
```

As root:

```
systemctl disable podman
```

Nothing helped :(

luckylinux on Jul 9, 2022 · edited by luckylinux — Edits — Author

The "fix" is to issue the following commands after each system boot process has been completed, as these commands don't however survive a reboot.
It seems that manually issuing these commands is the only reliable way.

```
chown -R podman:podman /home/podman/
chown -R podman:podman /home/podman/.local/share/containers/storage/overlay/l
chown -R podman:podman /run/user/1001/
```

Putting these commands in /etc/rc.local seems to give inconsistent results. Possibly because the systemd service / podman process is only starting AFTER /etc/rc.local has already been executed.

This is definitively NOT normal.

rhatdan on Jul 9, 2022 — Member

If /home/podman is not still owned by podman:podman after a reboot, then you have something far stranger then Podman not running on your system
Is /home/podman on a normal file system?

luckylinux on Jul 9, 2022 — Author

/home/podman is on EXT4 filesystem (same as /).

The storage is on another partition (mounted to /mnt/containers, then rbind to /home/podman/.local/share/containers/storage).

This is the relevant part of my /etc/fstab

```
# Root filesystem
UUID=e5d187b4-49d9-419e-a521-200948759e55 /               ext4    errors=remount-ro 0       1
```

```
# Containers Storage
UUID=97b6e592-cf49-45d7-bf0e-2808b843393d       /mnt/containers               ext4       auto            0       1


# Rbind
/mnt/containers/storage                         /home/podman/.local/share/containers/storage     none     rbind,auto      0       0
/mnt/containers/storage                         /var/lib/containers/storage      none     rbind,auto      0       0
```

rhatdan on Jul 10, 2022 — Member

After reboot who owns /home/podman/.local/containers/storage?
ls -l /home/podman/.local/containers/storage

luckylinux on Jul 10, 2022 — Author

I assume you mean /home/podman/.local/share/containers/ (added "/share/") since /home/podman/.local/containers/storage doesn't exist

After reboot

```
root@ContainerServer15:~# uptime
 13:24:31 up 0 min,  1 user,  load average: 0.00, 0.00, 0.00
root@ContainerServer15:~# ls -l /home/podman/.local/share/containers/storage
total 40
drwx------  2 podman podman 4096 Jul  9 07:18 cache
-rw-r--r--  1 podman podman    3 Jul  8 22:38 defaultNetworkBackend
drwx------  2 podman podman 4096 Jul  9 09:17 libpod
drwx------  2 podman podman 4096 Jul  8 01:16 mounts
drwx------ 10 podman podman 4096 Jul 10 13:23 overlay
drwx------  3 podman podman 4096 Jul  8 01:18 overlay-containers
drwx------  3 podman podman 4096 Jul  8 01:18 overlay-images
drwx------  2 podman podman 4096 Jul  8 01:18 overlay-layers
-rw-r--r--  1 podman podman   64 Jul 10 13:23 storage.lock
```

```
drwx------  2 podman podman 4096 Jul  8 01:16 tmp
-rw-r--r--  1 podman podman    0 Jul  8 01:16 userns.lock
```

Your original command says the folder doesn't exist (I assume /share/ is needed in the path):

```
root@ContainerServer15:~# ls -l /home/podman/.local/containers/storage
ls: cannot access '/home/podman/.local/containers/storage': No such file or directory
```

rhatdan on Jul 11, 2022 — Member

Sorry for the typo. This looks correct. Does Podman work now?

luckylinux on Jul 11, 2022 — Author

Nope. As I said, the error "switches" between the different alternatives mentioned in the original post (a. b. c. and d.). The only "solution" to make it work is by applying #14878 (comment) at every reboot.

This is however not normal at all

rhatdan on Jul 12, 2022 — Member

What about the owners of the other directories after reboot, are they something other then Podman? Do they get erased ?

luckylinux on Jul 12, 2022 — Author

Based on my experience so far, 2 locations (not necessarily the same every time, since the error message is different) get owned by root after reboot:

/home/podman/.local/share/containers/storage/overlay/l
/run/user/1001/

```
root@ContainerServer15:~# uptime
 19:39:04 up 1 min,  1 user,  load average: 0.00, 0.00, 0.00
root@ContainerServer15:~# ls -la /home/podman/.local/share/containers/storage/overlay/l
total 36
drwx------  2 root   root   4096 Jul  8 01:18 .
drwx------ 10 podman podman 4096 Jul 11 19:37 ..
lrwxrwxrwx  1 podman podman   72 Jul  8 01:17 5VTL3X26OJPDEYWAWZATQVDM6T -> ../df62b501daeb754940526c9d3f5a77efe5e3ed2f216754eb98bed05966d2d9af/diff
lrwxrwxrwx  1 podman podman   72 Jul  8 01:18 5ZLBXCEVZVPH4KCXJPTLKOMATM -> ../fb8e07fe6bce5142f78a951136702b2f7de1ad92212e4693a9f31ee6f00f16b9/diff
lrwxrwxrwx  1 podman podman   72 Jul  8 01:18 6H7Q2AX2WNUU56IQAJ7SUTQR7W -> ../926c8f89c9b92c24fb813a339b72ce7a1422506869adbddacb0da309bbb36aeb/diff
lrwxrwxrwx  1 podman podman   72 Jul  8 01:18 6JXNJZBIGXR2IB657VTOCSBDPF -> ../cdb109fa8c3e904d750d50e76f27d5b0ba7b9d9f311849511536a0b70e2af268/diff
lrwxrwxrwx  1 podman podman   72 Jul  8 01:17 FHV3I72TQNHLYIRGTIKXMFOVVW -> ../08249ce7456a1c0613eafe868aed936a284ed9f1d6144f7d2d08c514974a2af9/diff
lrwxrwxrwx  1 podman podman   72 Jul  8 01:18 UU36MH65THKWB2LKNI5B6NTE57 -> ../3e153b421881f0e7bdc8ad13588fbdd756e5c18289f491aace15a3cb278cac66/diff
lrwxrwxrwx  1 podman podman   72 Jul  8 01:17 UWVOV5OAXTNU44J2QZSQEU5TY3 -> ../da1f8336da190a692b3542627504aec6d743f9017bbca328c30144e81d0476d7/diff
root@ContainerServer15:~# ls -la /run/user/1001/
total 0
drwx------ 7 podman podman 160 Jul 11 19:37 .
drwxr-xr-x 4 root   root    80 Jul 11 19:39 ..
srw-rw-rw- 1 podman podman   0 Jul 11 19:37 bus
drwx------ 6 root   root   120 Jul 11 19:37 containers
drwx------ 2 podman podman 140 Jul 11 19:37 gnupg
drwxr-x--x 3 root   root    60 Jul 11 19:37 libpod
drwxr-xr-x 2 podman podman  60 Jul 11 19:37 podman
drwxr-xr-x 4 podman podman 120 Jul 11 19:37 systemd
root@ContainerServer15:~#
```

Specifically root seems to own the following (sub)directories after reboot:

- /run/user/1001/containers
- /run/user/1001/libpod
- /home/podman/.local/share/containers/storage/overlay/l

Any other idea ? There seems to be some root stuff going on with podman, even though podman Systemd root service was disabled.

```
root@ContainerServer15:~# ps aux | grep podman
podman       517  0.0  0.0  15140  8544 ?        Ss   19:37   0:00 /lib/systemd/systemd --user
podman       519  0.0  0.0 101160  2664 ?        S    19:37   0:00 (sd-pam)
root         723  0.0  0.0   6180   652 pts/0    R+   19:42   0:00 grep podman
```

Systemd journal log

```
root@ContainerServer15:~# journalctl -xe | grep -i podman
Jul 11 19:37:27 ContainerServer15 systemd[1]: Unmounting /home/podman/.local/share/containers/storage...
░░ Subject: A stop job for unit home-podman-.local-share-containers-storage.mount has begun execution
░░ A stop job for unit home-podman-.local-share-containers-storage.mount has begun execution.
Jul 11 19:37:27 ContainerServer15 systemd[1]: home-podman-.local-share-containers-storage.mount: Succeeded.
░░ The unit home-podman-.local-share-containers-storage.mount has successfully entered the 'dead' state.
Jul 11 19:37:27 ContainerServer15 systemd[1]: Unmounted /home/podman/.local/share/containers/storage.
░░ Subject: A stop job for unit home-podman-.local-share-containers-storage.mount has finished
░░ A stop job for unit home-podman-.local-share-containers-storage.mount has finished.
Jul 11 19:37:41 ContainerServer15 systemd[1]: Mounting /home/podman/.local/share/containers/storage...
░░ Subject: A start job for unit home-podman-.local-share-containers-storage.mount has begun execution
░░ A start job for unit home-podman-.local-share-containers-storage.mount has begun execution.
Jul 11 19:37:41 ContainerServer15 systemd[1]: Mounted /home/podman/.local/share/containers/storage.
░░ Subject: A start job for unit home-podman-.local-share-containers-storage.mount has finished successfully
░░ A start job for unit home-podman-.local-share-containers-storage.mount has finished successfully.
Jul 11 19:37:41 ContainerServer15 systemd[1]: Started Podman auto-update timer.
░░ Subject: A start job for unit podman-auto-update.timer has finished successfully
░░ A start job for unit podman-auto-update.timer has finished successfully.
Jul 11 19:37:41 ContainerServer15 systemd[1]: Listening on Podman API Socket.
░░ Subject: A start job for unit podman.socket has finished successfully
░░ A start job for unit podman.socket has finished successfully.
Jul 11 19:37:41 ContainerServer15 systemd[1]: Starting Podman auto-update service...
░░ Subject: A start job for unit podman-auto-update.service has begun execution
░░ A start job for unit podman-auto-update.service has begun execution.
Jul 11 19:37:41 ContainerServer15 systemd[1]: Starting Podman Start All Containers With Restart Policy Set To Always...
░░ Subject: A start job for unit podman-restart.service has begun execution
░░ A start job for unit podman-restart.service has begun execution.
Jul 11 19:37:41 ContainerServer15 systemd[517]: pam_unix(systemd-user:session): session opened for user podman(uid=1001) by (uid=0)
Jul 11 19:37:41 ContainerServer15 podman[486]: time="2022-07-11T19:37:41+02:00" level=info msg="/usr/bin/podman filtering at log level info"
Jul 11 19:37:41 ContainerServer15 systemd[1]: home-podman-.local-share-containers-storage-overlay-metacopy\x2dcheck3480788365-merged.mount:
Succeeded.
░░ The unit home-podman-.local-share-containers-storage-overlay-metacopy\x2dcheck3480788365-merged.mount has successfully entered the 'dead' state.
Jul 11 19:37:41 ContainerServer15 systemd[1]: home-podman-.local-share-containers-storage-overlay-opaque\x2dbug\x2dcheck1171851606-merged.mount:
Succeeded.
░░ The unit home-podman-.local-share-containers-storage-overlay-opaque\x2dbug\x2dcheck1171851606-merged.mount has successfully entered the 'dead'
state.
Jul 11 19:37:41 ContainerServer15 podman[486]: time="2022-07-11T19:37:41+02:00" level=info msg="Setting parallel job count to 25"
Jul 11 19:37:41 ContainerServer15 systemd[1]: home-podman-.local-share-containers-storage-overlay.mount: Succeeded.
░░ The unit home-podman-.local-share-containers-storage-overlay.mount has successfully entered the 'dead' state.
Jul 11 19:37:41 ContainerServer15 systemd[1]: Finished Podman Start All Containers With Restart Policy Set To Always.
```

```
 Subject: A start job for unit podman-restart.service has finished successfully
 A start job for unit podman-restart.service has finished successfully.
Jul 11 19:37:41 ContainerServer15 systemd[1]: home-podman-.local-share-containers-storage-overlay.mount: Succeeded.
 The unit home-podman-.local-share-containers-storage-overlay.mount has successfully entered the 'dead' state.
Jul 11 19:37:41 ContainerServer15 systemd[1]: podman-auto-update.service: Succeeded.
 The unit podman-auto-update.service has successfully entered the 'dead' state.
Jul 11 19:37:41 ContainerServer15 systemd[1]: Finished Podman auto-update service.
 Subject: A start job for unit podman-auto-update.service has finished successfully
 A start job for unit podman-auto-update.service has finished successfully.
Jul 11 19:38:32 ContainerServer15 sshd[683]: Accepted password for podman from xxx.xxx.xxx.xxx port 41906 ssh2
Jul 11 19:38:32 ContainerServer15 sshd[683]: pam_unix(sshd:session): session opened for user podman(uid=1001) by (uid=0)
Jul 11 19:38:32 ContainerServer15 systemd-logind[492]: New session 2 of user podman.
 Subject: A new session 2 has been created for user podman
 A new session with the ID 2 has been created for the user podman.
Jul 11 19:38:32 ContainerServer15 systemd[1]: Started Session 2 of user podman.
Jul 11 19:38:53 ContainerServer15 sshd[683]: pam_unix(sshd:session): session closed for user podman
Jul 11 19:39:01 ContainerServer15 systemd[697]: Listening on Podman API Socket.
```

```
root@ContainerServer15:~# journalctl -xb | grep -i podman
Jul 11 19:37:41 ContainerServer15 systemd[1]: Mounting /home/podman/.local/share/containers/storage...
 Subject: A start job for unit home-podman-.local-share-containers-storage.mount has begun execution
 A start job for unit home-podman-.local-share-containers-storage.mount has begun execution.
Jul 11 19:37:41 ContainerServer15 systemd[1]: Mounted /home/podman/.local/share/containers/storage.
 Subject: A start job for unit home-podman-.local-share-containers-storage.mount has finished successfully
 A start job for unit home-podman-.local-share-containers-storage.mount has finished successfully.
Jul 11 19:37:41 ContainerServer15 systemd[1]: Started Podman auto-update timer.
 Subject: A start job for unit podman-auto-update.timer has finished successfully
 A start job for unit podman-auto-update.timer has finished successfully.
Jul 11 19:37:41 ContainerServer15 systemd[1]: Listening on Podman API Socket.
 Subject: A start job for unit podman.socket has finished successfully
 A start job for unit podman.socket has finished successfully.
Jul 11 19:37:41 ContainerServer15 systemd[1]: Starting Podman auto-update service...
 Subject: A start job for unit podman-auto-update.service has begun execution
 A start job for unit podman-auto-update.service has begun execution.
Jul 11 19:37:41 ContainerServer15 systemd[1]: Starting Podman Start All Containers With Restart Policy Set To Always...
 Subject: A start job for unit podman-restart.service has begun execution
 A start job for unit podman-restart.service has begun execution.
Jul 11 19:37:41 ContainerServer15 systemd[517]: pam_unix(systemd-user:session): session opened for user podman(uid=1001) by (uid=0)
Jul 11 19:37:41 ContainerServer15 podman[486]: time="2022-07-11T19:37:41+02:00" level=info msg="/usr/bin/podman filtering at log level info"
Jul 11 19:37:41 ContainerServer15 systemd[517]: Listening on Podman API Socket.
Jul 11 19:37:41 ContainerServer15 systemd[1]: home-podman-.local-share-containers-storage-overlay-metacopy\x2dcheck3480788365-merged.mount:
```

```
Succeeded.
 The unit home-podman-.local-share-containers-storage-overlay-metacopy\x2dcheck3480788365-merged.mount has successfully entered the 'dead' state.
Jul 11 19:37:41 ContainerServer15 systemd[517]: home-podman-.local-share-containers-storage-overlay-metacopy\x2dcheck3480788365-merged.mount:
Succeeded.
Jul 11 19:37:41 ContainerServer15 systemd[1]: home-podman-.local-share-containers-storage-overlay-opaque\x2dbug\x2dcheck1171851606-merged.mount:
Succeeded.
 The unit home-podman-.local-share-containers-storage-overlay-opaque\x2dbug\x2dcheck1171851606-merged.mount has successfully entered the 'dead'
state.
Jul 11 19:37:41 ContainerServer15 podman[486]: time="2022-07-11T19:37:41+02:00" level=info msg="Setting parallel job count to 25"
Jul 11 19:37:41 ContainerServer15 systemd[517]: home-podman-.local-share-containers-storage-overlay.mount: Succeeded.
Jul 11 19:37:41 ContainerServer15 systemd[1]: home-podman-.local-share-containers-storage-overlay.mount: Succeeded.
 The unit home-podman-.local-share-containers-storage-overlay.mount has successfully entered the 'dead' state.
Jul 11 19:37:41 ContainerServer15 systemd[1]: Finished Podman Start All Containers With Restart Policy Set To Always.
 Subject: A start job for unit podman-restart.service has finished successfully
 A start job for unit podman-restart.service has finished successfully.
Jul 11 19:37:41 ContainerServer15 systemd[517]: home-podman-.local-share-containers-storage-overlay.mount: Succeeded.
Jul 11 19:37:41 ContainerServer15 systemd[1]: home-podman-.local-share-containers-storage-overlay.mount: Succeeded.
 The unit home-podman-.local-share-containers-storage-overlay.mount has successfully entered the 'dead' state.
Jul 11 19:37:41 ContainerServer15 systemd[1]: podman-auto-update.service: Succeeded.
 The unit podman-auto-update.service has successfully entered the 'dead' state.
Jul 11 19:37:41 ContainerServer15 systemd[1]: Finished Podman auto-update service.
 Subject: A start job for unit podman-auto-update.service has finished successfully
 A start job for unit podman-auto-update.service has finished successfully.
Jul 11 19:38:32 ContainerServer15 sshd[683]: Accepted password for podman from xxx.xxx.xxx.xxx port 41906 ssh2
Jul 11 19:38:32 ContainerServer15 sshd[683]: pam_unix(sshd:session): session opened for user podman(uid=1001) by (uid=0)
Jul 11 19:38:32 ContainerServer15 systemd-logind[492]: New session 2 of user podman.
 Subject: A new session 2 has been created for user podman
 A new session with the ID 2 has been created for the user podman.
Jul 11 19:38:32 ContainerServer15 systemd[1]: Started Session 2 of user podman.
Jul 11 19:38:53 ContainerServer15 sshd[689]: Disconnected from user podman xxx.xxx.xxx.xxx port 41906
Jul 11 19:38:53 ContainerServer15 sshd[683]: pam_unix(sshd:session): session closed for user podman
Jul 11 19:39:01 ContainerServer15 systemd[697]: Listening on Podman API Socket.
```

luckylinux on Jul 12, 2022 — Author

A prime suspect at the moment for me would be podman-auto-update timer, but I'm not sure what this does to be honest.

```
root@ContainerServer15:~# systemctl status podman-auto-update
● podman-auto-update.service - Podman auto-update service
```

```
     Loaded: loaded (/lib/systemd/system/podman-auto-update.service; enabled; vendor preset: enabled)
     Active: inactive (dead) since Mon 2022-07-11 19:37:41 CEST; 9min ago
TriggeredBy: ● podman-auto-update.timer
       Docs: man:podman-auto-update(1)
    Process: 485 ExecStart=/usr/bin/podman auto-update (code=exited, status=0/SUCCESS)
    Process: 596 ExecStartPost=/usr/bin/podman image prune -f (code=exited, status=0/SUCCESS)
   Main PID: 485 (code=exited, status=0/SUCCESS)
        CPU: 138ms

Jul 11 19:37:41 ContainerServer15 systemd[1]: Starting Podman auto-update service...
Jul 11 19:37:41 ContainerServer15 systemd[1]: podman-auto-update.service: Succeeded.
Jul 11 19:37:41 ContainerServer15 systemd[1]: Finished Podman auto-update service.
```

Otherwise it could be something related to the "dead" states reported in the system log. Not sure why, but sometimes I also get the feeling like the PATH environment variable is not always set correctly for root (e.g. sometimes I cannot run "reboot", I must run "/sbin/reboot").

luckylinux on Jul 12, 2022 — Author

I tried disabling all podman related services

```
root@ContainerServer15:~# systemctl status podman-restart.service
● podman-restart.service - Podman Start All Containers With Restart Policy Set To Always
     Loaded: loaded (/lib/systemd/system/podman-restart.service; enabled; vendor preset: enabled)
     Active: active (exited) since Mon 2022-07-11 19:51:52 CEST; 2min 16s ago
       Docs: man:podman-start(1)
    Process: 445 ExecStart=/usr/bin/podman $LOGGING start --all --filter restart-policy=always (code=exited, status=0/SUCCESS)
   Main PID: 445 (code=exited, status=0/SUCCESS)
        CPU: 114ms

Jul 11 19:51:52 ContainerServer15 systemd[1]: Starting Podman Start All Containers With Restart Policy Set To Always...
Jul 11 19:51:52 ContainerServer15 podman[445]: time="2022-07-11T19:51:52+02:00" level=info msg="/usr/bin/podman filtering at log level info"
Jul 11 19:51:52 ContainerServer15 podman[445]: time="2022-07-11T19:51:52+02:00" level=info msg="Setting parallel job count to 25"
Jul 11 19:51:52 ContainerServer15 systemd[1]: Finished Podman Start All Containers With Restart Policy Set To Always.
root@ContainerServer15:~# systemctl status podman.socket
● podman.socket - Podman API Socket
     Loaded: loaded (/lib/systemd/system/podman.socket; enabled; vendor preset: enabled)
     Active: active (listening) since Mon 2022-07-11 19:51:51 CEST; 2min 25s ago
   Triggers: ● podman.service
       Docs: man:podman-system-service(1)
```

```
     Listen: /run/podman/podman.sock (Stream)
     CGroup: /system.slice/podman.socket

Jul 11 19:51:51 ContainerServer15 systemd[1]: Listening on Podman API Socket.

root@ContainerServer15:~# systemctl disable podman-restart.service
Removed /etc/systemd/system/default.target.wants/podman-restart.service.
root@ContainerServer15:~# systemctl disable podman.socket
Removed /etc/systemd/system/sockets.target.wants/podman.socket.
```

At least now there is a new development/error:

```
podman@ContainerServer15:~$ podman info
Error: command required for rootless mode with multiple IDs: exec: "newuidmap": executable file not found in $PATH
``
```

luckylinux on Jul 12, 2022 · edited by luckylinux

Edits Author •••

Solved by

```
apt install uidmap fuse-overlayfs slirp4netns
```

(shadow-utils is not available on Debian 11)

At least now I can reboot and issue "podman info" without some funky permission errors.
This still doesn't explain me why I have to change so many defaults, and I don't think all of these were documented accurately (I might have missed them, sorry if that's the case).

rhatdan on Jul 12, 2022

Member •••

Ok I will close.

rhatdan closed this as completed on Jul 12, 2022

nccurry on Jun 20, 2023

This can also be caused if you impersonate a user from root via `su <user>` instead of `su - <user>`.

github-actions added **locked - please file ...** on Sep 18, 2023

github-actions locked as resolved and limited conversation to collaborators on Sep 18, 2023

Assignees

No one assigned

Labels

kind/bug **locked - please file new issue/PR**

Type

No type

Projects

No projects

Milestone

No milestone

Relationships

None yet

Development

Code with agent mode

No branches or pull requests

Participants