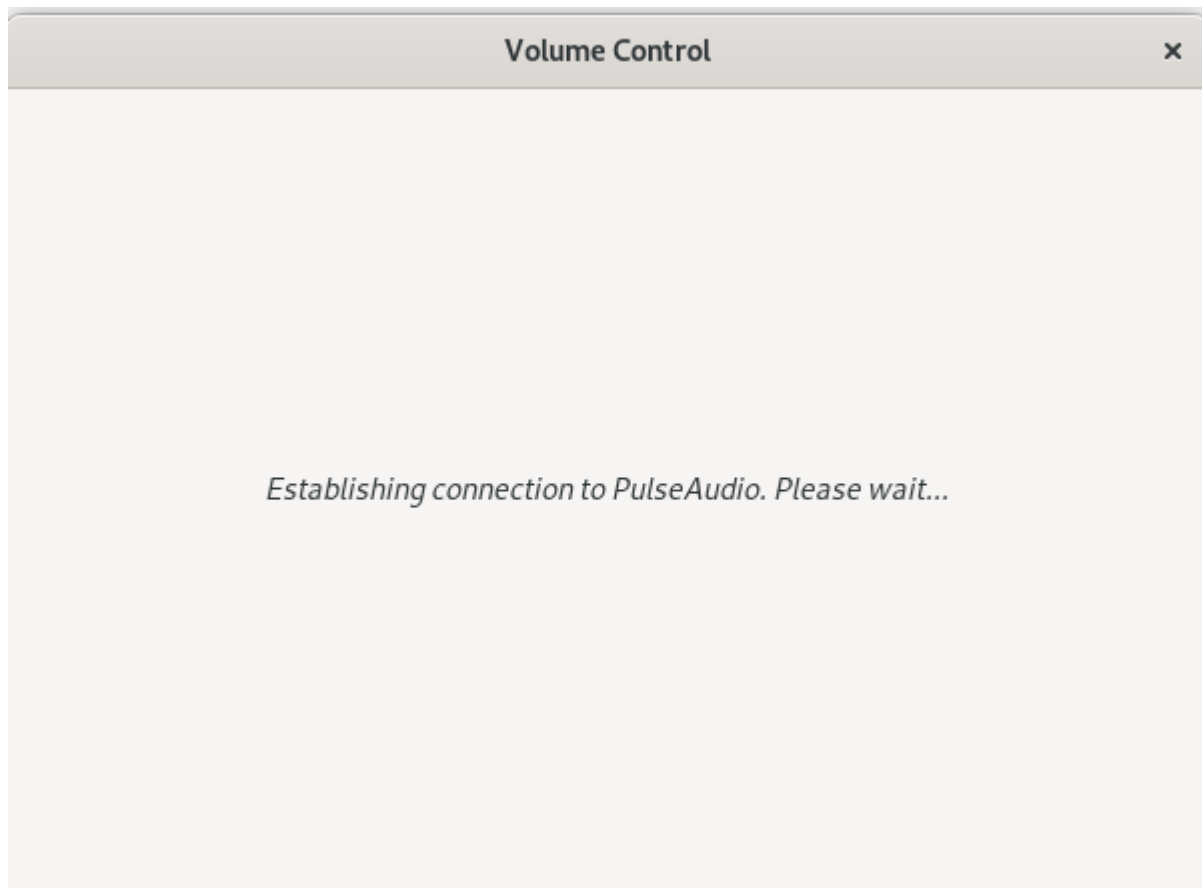**The troubleshooting steps after pulse audio is hung [overnight laptop just locked , not hibernated].**

1. **Pulse Audio volume manager does not work , its hung. Any attempt to close/restart it is futile as back end pulse audio process is not responding.**

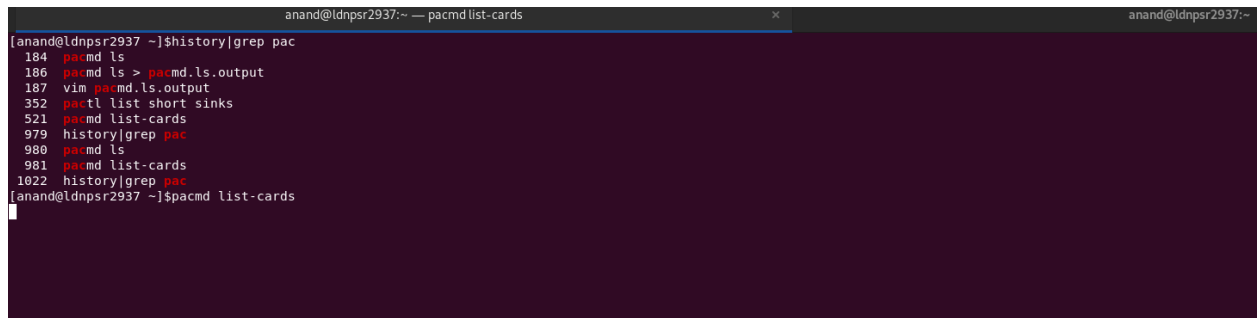2. **Attempt to kill the pulse audio process does not work.**

3. **Attempt to identify what the pulse process is doing via strace –p does not work. And strace also becomes immune to CTRL+C [gets stuck]. Had to kill the strace process manually.**

4. **pacmd list-cards command is stuck. Can not identify or list any sounds at all.**

```
anand@ldnpsr2937:~ — pacmd list-cards                                    anand@ldnpsr2937:~

[anand@ldnpsr2937 ~]$history|grep pac
  184  pacmd ls
  186  pacmd ls > pacmd.ls.output
  187  vim pacmd.ls.output
  352  pactl list short sinks
  521  pacmd list-cards
  979  history|grep pac
  980  pacmd ls
  981  pacmd list-cards
 1022  history|grep pac
[anand@ldnpsr2937 ~]$pacmd list-cards
```

5. Config - > sound does not indicate any active control or changeable status since no device is identifiable for sound service.

System Volume

Volume Levels

Output

Output Device	⌄ Test
Configuration	⌄
Balance	Left ———○——— Right
Fade	Rear ———○——— Front
Subwoofer	○———

Input

Input Device	⌄
Configuration	⌄
Volume	○———

Alert Sound

Bark	Drip	Glass	Sonar

6. Logout does not have any effect on the pulse audio.

7. Reboot does not kill the process nor does the poweroff option and the restart gets stuck at point of waiting for the pulse audio deamon to finish [which it will never]. Hence all reboots are now unclean and have to resort to power button.

```
[43470.024797] audit: type=1131 audit(1593907489.314:800): pid=1 uid=0 auid=4294967295 ses=4294967295 subj=system_u:system_r:init_t:s0 msg='unit=gdm comm="systemd" exe="
/usr/lib/systemd/systemd" hostname=? addr=? terminal=? res=success'
[43470.037874] audit: type=1131 audit(1593907489.327:801): pid=1 uid=0 auid=4294967295 ses=4294967295 subj=system_u:system_r:init_t:s0 msg='unit=livesys comm="systemd" ex
e="/usr/lib/systemd/systemd" hostname=? addr=? terminal=? res=success'
[43470.081184] audit: type=1131 audit(1593907489.371:802): pid=1 uid=0 auid=4294967295 ses=4294967295 subj=system_u:system_r:init_t:s0 msg='unit=systemd-user-sessions com
m="systemd" exe="/usr/lib/systemd/systemd" hostname=? addr=? terminal=? res=success'
[43470.103205] wlp2s0: deauthenticating from 6c:72:20:14:04:10 by local choice (Reason: 3=DEAUTH_LEAVING)
[43470.141919] audit: type=1131 audit(1593907489.431:803): pid=1 uid=0 auid=4294967295 ses=4294967295 subj=system_u:system_r:init_t:s0 msg='unit=wpa_supplicant comm="syst
emd" exe="/usr/lib/systemd/systemd" hostname=? addr=? terminal=? res=success'
[43470.224302] audit: type=1131 audit(1593907489.514:804): pid=1 uid=0 auid=4294967295 ses=4294967295 subj=system_u:system_r:init_t:s0 msg='unit=sssd comm="systemd" exe="
/usr/lib/systemd/systemd" hostname=? addr=? terminal=? res=success'
[43470.318857] audit: type=1131 audit(1593907489.608:805): pid=1 uid=0 auid=4294967295 ses=4294967295 subj=system_u:system_r:init_t:s0 msg='unit=NetworkManager comm="syst
emd" exe="/usr/lib/systemd/systemd" hostname=? addr=? terminal=? res=success'
[43470.338240] audit: type=1325 audit(1593907489.628:806): table=security family=2 entries=13
[43470.338504] audit: type=1325 audit(1593907489.628:807): table=raw family=2 entries=51
[43470.338797] audit: type=1325 audit(1593907489.628:808): table=mangle family=2 entries=65
[43470.339166] audit: type=1325 audit(1593907489.629:809): table=nat family=2 entries=108
[43470.339696] audit: type=1325 audit(1593907489.629:810): table=filter family=2 entries=206
[43470.346114] audit: type=1325 audit(1593907489.636:811): table=security family=10 entries=13
[43470.346314] audit: type=1325 audit(1593907489.636:812): table=raw family=10 entries=53
[43470.346492] audit: type=1325 audit(1593907489.636:813): table=mangle family=10 entries=64
[43470.346732] audit: type=1325 audit(1593907489.636:814): table=nat family=10 entries=97
[43470.347016] audit: type=1325 audit(1593907489.636:815): table=filter family=10 entries=191
[43481.803466] kauditd_printk_skb: 31 callbacks suppressed
[43481.803468] audit: type=1131 audit(1593907501.173:847): pid=1 uid=0 auid=4294967295 ses=4294967295 subj=system_u:system_r:init_t:s0 msg='unit=NetworkManager-dispatcher
 comm="systemd" exe="/usr/lib/systemd/systemd" hostname=? addr=? terminal=? res=success'
[43531.923141] audit: type=1131 audit(1593907551.212:852): pid=1 uid=0 auid=4294967295 ses=4294967295 subj=system_u:system_r:init_t:s0 msg='unit=geoclue comm="systemd" ex
e="/usr/lib/systemd/systemd" hostname=? addr=? terminal=? res=success'
[43691.503069] watchdog: watchdog0: watchdog did not stop!
[43691.522164] printk: systemd-shutdown: 75 output lines suppressed due to ratelimiting
[43693.114528] systemd-shutdown[1]: Syncing filesystems and block devices.
[43693.338783] systemd-shutdown[1]: Sending SIGTERM to remaining processes...
[43693.337801] systemd-journald[1248]: Received SIGTERM from PID 1 (systemd-shutdown).
[43703.338319] systemd-shutdown[1]: Waiting for process: gconf-helper, pulseaudio
```