

Proxmox is using [watchdog-mux](#). It is using /dev/watchdog and exposes watchdog service to multiple daemons using socket:

```
root@pve4:~# lsof -n 2>&1 | grep watch
watchdog-    3923                root    txt      REG
0,26      14728      75245 /usr/sbin/watchdog-mux
watchdog-    3923                root    1u       unix
0x000000006ba3be2b      0t0      40514 type=STREAM
watchdog-    3923                root    2u       unix
0x000000006ba3be2b      0t0      40514 type=STREAM
watchdog-    3923                root    3w       CHR
10,130      0t0      853 /dev/watchdog
watchdog-    3923                root    4u       unix
0x00000000ddb50a86      0t0      40529 /run/watchdog-mux.sock type=STREAM
watchdog-    3923                root    5u  a_inode
0,14        0      12480 [eventpoll]
watchdog-    3923                root    6u  a_inode
0,14        0      12480 [signalfd]
watchdog-    3923                root    7u       unix
0x00000000bd6f8c4d      0t0      33495 /run/watchdog-mux.sock type=STREAM
```

```
maj 24 07:09:57 pve4 watchdog-mux[3923]: Watchdog driver 'Software
Watchdog', version 0
```

```
ls -l /dev/watchdog*
```

```
crw----- 1 root root 10, 130 maj 24 08:03 /dev/watchdog
crw----- 1 root root 245,  0 maj 24 08:03 /dev/watchdog0
```

```
cat /proc/devices
```

```
10 misc
245 watchdog
```

```
cat /sys/dev/char/245:0/identity
Software Watchdog
```

What is /dev/watchdog ?

```
10 char    Non-serial mice, misc features
          1 = /dev/psaux      PS/2-style mouse port
          ...
          130 = /dev/watchdog  Watchdog timer port
```

Change watchdog

[/etc/default/pve-ha-manager](#)

```
WATCHDOG_MODULE=sp5100_tco
```

```
systemctl stop watchdog-mux  
rmmod softdog  
systemctl start watchdog-mux
```

Verify:

```
journalctl -u watchdog-mux
```

```
watchdog-mux[3984]: Loading watchdog module 'sp5100_tco'  
watchdog-mux[3984]: Watchdog driver 'SP5100 TCO timer', version 0
```

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