


```

1. root@granite2:~# modprobe dec-fuser-app ①
2. fuser_app_sys_init ENTRY
3. Kernel Thread : DEC Fuser Contr
4. fuser_dec_fuser_app_init 3 6 20 100 8 1
5. dec_fuser_thread ENTRY
6. thread runs
7. root@granite2:~# cd /sys/firmware
8. root@granite2:/sys/firmware# ls
9. dec_fuser_app_sys devicetree
10. root@granite2:/sys/firmware# cd dec_fuser_app_sys/
11. root@granite2:/sys/firmware/dec_fuser_app_sys# ls
12. dec_fuser_app
13. root@granite2:/sys/firmware/dec_fuser_app_sys# cd dec_fuser_app/
14. root@granite2:/sys/firmware/dec_fuser_app_sys/dec_fuser_app# pwd
15. /sys/firmware/dec_fuser_app_sys/dec_fuser_app
16. root@granite2:/sys/firmware/dec_fuser_app_sys/dec_fuser_app# ls -l
17. -rw-r--r--    1 root    root          4096 Feb 26 10:24 dec_fuser_24v
18. -rw-r--r--    1 root    root          4096 Feb 26 10:24 dec_fuser_temp
19. -rw-r--r--    1 root    root          4096 Feb 26 10:24 dec_fuser_timeout
20. root@granite2:/sys/firmware/dec_fuser_app_sys/dec_fuser_app# cat dec_fuser_24v
21. XXXXroot@granite2:/sys/firmware/dec_fuser_app_sys/dec_fuser_app# echo 1 > dec_fuser_24v ②
22. dec_fuser_sysfs_set_24v calling dec_fuser_enable_power: 1
23. root@granite2:/sys/firmware/dec_fuser_app_sys/dec_fuser_app# SLOW service_fuser 1
24. root@granite2:/sys/firmware/dec_fuser_app_sys/dec_fuser_app# cd /sys/class/dcmotor
25. root@granite2:/sys/class/dcmotor# ls -l
26. --w-----    1 root    root          4096 Feb 26 10:24 create
27. --w-----    1 root    root          4096 Feb 26 10:24 destroy
28. root@granite2:/sys/class/dcmotor# echo paper > create ③
29. Created motor with motor_id = 0 and named: paper
30. root@granite2:/sys/class/dcmotor# ls -l
31. --w-----    1 root    root          4096 Feb 26 10:25 create
32. --w-----    1 root    root          4096 Feb 26 10:24 destroy
33. lrwxrwxrwx    1 root    root           0 Feb 26 10:25 paper -> ../../devices/virtual/dcmotor/paper
34. root@granite2:/sys/class/dcmotor# echo mirror > create ④
35. Created motor with motor_id = 1 and named: mirror
36. root@granite2:/sys/class/dcmotor# ls -l
37. --w-----    1 root    root          4096 Feb 26 10:25 create
38. --w-----    1 root    root          4096 Feb 26 10:24 destroy
39. lrwxrwxrwx    1 root    root           0 Feb 26 10:25 mirror -> ../../devices/virtual/dcmotor/mirror
40. lrwxrwxrwx    1 root    root           0 Feb 26 10:25 paper -> ../../devices/virtual/dcmotor/paper
41. root@granite2:/sys/class/dcmotor# cd paper
42. root@granite2:/sys/class/dcmotor/paper# ls -l
43. -rw-r--r--    1 root    root          4096 Feb 26 10:25 direction
44. -r--r--r--    1 root    root          4096 Feb 26 10:25 ms_to_ramp_speed_0
45. -r--r--r--    1 root    root          4096 Feb 26 10:25 ms_to_ramp_speed_1
46. drwxr-xr-x    2 root    root           0 Feb 26 10:25 power
47. -rw-r--r--    1 root    root          4096 Feb 26 10:25 run

```

```

48.  lrwxrwxrwx    1 root    root                0 Feb 26 10:25 subsystem -> ../../../../
    /class/dcmotor
49.  -rw-r--r--    1 root    root            4096 Feb 26 10:25 uevent
50.  --w-----    1 root    root            4096 Feb 26 10:25 wait
51.  root@granite2:/sys/class/dcmotor/paper# cat run
52.  0
53.  root@granite2:/sys/class/dcmotor/paper# echo 1 > run
54.  root@granite2:/sys/class/dcmotor/paper# echo 0 > run

```

①

dc motor (paper and mirror motor)的power是dec-fuser-app.ko控制的

②

enable sc motor的24v power supply

③

④

使得user可以控制paper and mirror motor。这里的"paper" and "mirror"来自与dts中的

```

1.      dcmotor-paper {
2.          compatible = "mrvl,mv62x0-dcmotor-instance";
3.          motor_name = "paper";
4.      .....
5.  }
6.
7.      dcmotor-mirror {
8.          compatible = "mrvl,mv62x0-dcmotor-instance";
9.          motor_name = "mirror";
10.     .....
11.  }

```

⑤

in /sys/class/dcmotor/paper目录下是控制dc motor的参数

run是paper motor的speed number

num_speeds = <2>;

0 is stop

1 is running

mirror motor:

num_speeds = <3>;

0 is stop

1,2 are 2 different running speed.

⑥

stop paper motor

