LS-WVL ??NUT (Network UPS Tools)??UPS

????

- **LS-WVL□ Debian 12**

????

```
apt install -y nut
```

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□□ `/etc/nut/nut.conf` □□□ **MODE=netclient□□□□□□ root nut**

none: Nut □□□
standalone: □□□□ , □□□□□□□ UPS □□□□□□□□ (□□□□□□□)□□□□□□ .
netserver: Nut Server.
netclient: □□□□□ , □□□ nut-monitor, □□□□□□□ Nut □□ .

```
root@LS-WVL885:~# cat /etc/nut/nut.conf
...
MODE=netclient
```

□□ `/etc/nut/upsmon.conf`□□□□□□□ **UPS□□□□□□□□ upssched□□□□□□□□□□□□ root nut**

```
#□□□UPS IP □□□□□□□□□□□□slave
MONITOR ups@192.168.1.1 1 monuser secret slave

#□□□□□□□□□□ UPS □□□□□□ UPS □□□1
MINSUPPLIES 1

#□□□□□□□□□ UPS □□□□□FSD□□□upsmon □□□□□□
SHUTDOWNCMD "/sbin/shutdown -h +0"

#□□□□□□ UPS □□
POLLFREQ 5
```

```
#□□□□□□□ ONBATT□□□□□□□□□□□
POLLFREQALERT 5

HOSTSYNC 15
#□ 15 □□□□□ UPS □□□□□□□□ UPS □□□□
DEADTIME 15

#□□□□□□□□□□□□□□□□□□□□□□□□□□□UPS daemon □□□□□□□□ UPS □□□□□□□□
POWERDOWNFLAG /etc/killpower

RBWARNTIME 43200

#□ 300 □□□□□□□ UPS □□□□□□□□□□□□□□□□
NOCOMMWARNTIME 300

#□□□□□□□□□□□□
FINALDELAY 5

#NUT□□□□□□
NOTIFYCMD /sbin/upssched

#UPS□□□□□□□□□□□□□□□□□□□□
NOTIFYFLAG ONBATT EXEC
NOTIFYFLAG ONLINE EXEC

#UPS□□□□□□□□□□□□□
NOTIFYFLAG COMMOK EXEC
NOTIFYFLAG NOCOMM EXEC
```

upssched□□□□□□□ `/etc/nut/upssched.conf` **□□□□□□□□□** **root nut**

```
#□□□□□□□□□
CMDSCRIPT /bin/upssched-cmd

#□□□□□□□□□
PIPEFN /var/run/nut/upssched.pipe
LOCKFN /var/run/nut/upssched.lock

#□UPS□□□□□□□□□
AT ONBATT * EXECUTE onbatt
```

```
AT ONLINE * EXECUTE onpower
AT NOCOMM * EXECUTE lost
AT COMMOK * EXECUTE connect

#□UPS□□□□□□□□shutdown□□□120□
AT ONBATT * START-TIMER shutdown 120

#□UPS□□□□□□□□□□□
AT ONLINE * CANCEL-TIMER shutdown
```

□□ `/bin/upssched-cmd`□□□□□□ root nut□□□□ `chmod +x`□ □□□□□□□□ log□□□ shutdown□□□□ 120□ UPS□□□□□□□□

```
#! /bin/sh
case $1 in
  shutdown)
    echo "$(date): AC Power not restored after 120s, shutting down system." >> /var/log/ups-
shutdown.log
    sleep 3
    sudo /sbin/shutdown -h +0
    ;;
  onbatt)
    echo "$(date): AC Power outage, on battery" >> /var/log/ups-shutdown.log
    ;;
  onpower)
    echo "$(date): AC Power restored" >> /var/log/ups-
shutdown.log
    ;;
  connect)
    echo "$(date): Communications with UPS established" >> /var/log/ups-
shutdown.log
    ;;
  lost)
    echo "$(date): Communications with UPS lost" >> /var/log/ups-
shutdown.log
    ;;
  *)
    logger -t upssched-cmd "Unrecognized command: $1"
    ;;
esac
```

□□ `visudo`□□□ **nut**□□□□□□□ **shutdown**□□

```
root@LS-WVL885:~# visudo


...
nut ALL=(ALL) NOPASSWD: /sbin/shutdown
```

□□ **nut**□□□□□ **log**□

```
touch /var/log/ups-shutdown.log


chown root:nut /var/log/ups-shutdown.log


chmod 664 /var/log/ups-shutdown.log
```

```
systemctl enable nut-monitor


systemctl start nut-monitor
```

??

□□□□□ **UPS**□□

```
root@LS-WVL885:~# upsc ups@192.168.1.1
Init SSL without certificate database
battery.charge: 96
battery.charge.low: 10
battery.charge.warning: 50
battery.date: 2001/09/25
battery.mfr.date: 2023/08/10
battery.runtime: 2636
ups.status: OL CHRG
ups.test.result: No test initiated
ups.timer.reboot: 0
ups.timer.shutdown: -1
ups.vendorid: 051d
```

□□ **UPS**□□□□□ **120**□□□□□□□□□□□□□□□ **log**

```
root@LS-WVL885:~# cat /var/log/ups-shutdown.log
Mon Sep  1 01:11:06 AM CST 2025: AC not restored after 120s, shutting down system.
Mon Oct 20 01:14:56 AM CST 2025: AC Power outage, on battery
Mon Oct 20 01:15:11 AM CST 2025: AC Power restored
```

UPS□□□□□□□□ log

```
root@test:~# cat /var/log/ups-shutdown.log
Sun Nov 16 04:52:15 PM CST 2025: Communications with UPS lost
Sun Nov 16 04:52:25 PM CST 2025: Communications with UPS established
```

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