

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

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- **LS-WVL** **Debian 12**

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```
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 192.168.1.10slave
```

```
MONITOR ups@192.168.1.1 1 monuser secret slave
```

#UPS UPS UPS1

MINSUPPLIES 1

```
# UPS  FSD upsmon
```

```
SHUTDOWNCMD "/sbin/shutdown -h +0"
```

#UPS 11

POLLFRE0 5

```
#ONBATTONBATT
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
```

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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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