


POWERCOM PRO V1.4 UPS Monitoring Software User Manual

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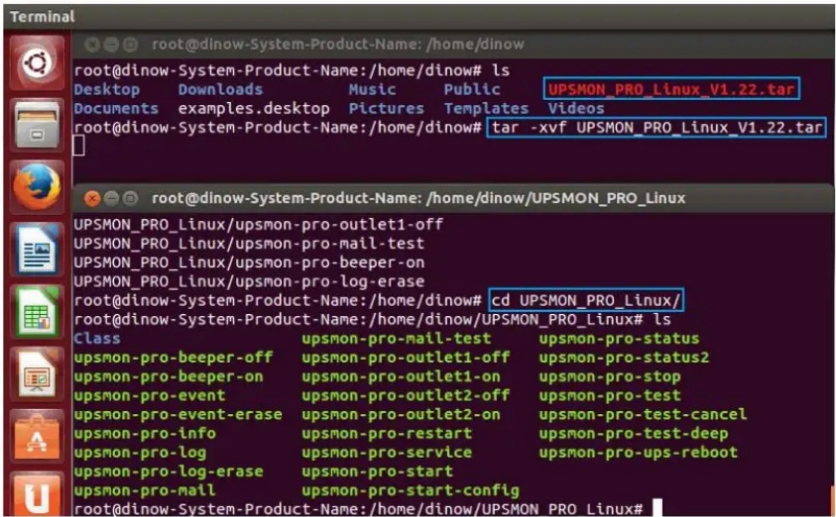
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POWERCOM PRO V1.4 UPS Monitoring Software



Product Information

The UPSMON PRO V1.4 is a UPS monitoring software that allows users to monitor, configure, and control their uninterruptible power supply (UPS) devices. It provides users with information on the status, condition, and events of the UPS. The software also supports email notification for UPS events.

Installation Instructions

1. Copy the UPSMON_PRO_Linux.tar file to the /home/user directory using the command: `cp UPSMON_PRO_Linux.tar /home/user`.
2. Extract the contents of the UPSMON_PRO_Linux.tar file using the command: `tar -xvf UPSMON_PRO_Linux.tar`.
3. Navigate to the UPSMON_PRO_Linux directory using the command: `cd UPSMON_PRO_Linux`.

Starting UPSMON PRO

To start the UPSMON PRO monitoring service, use the command: `upsmon-pro-start`. This will prompt you for basic information and automatically start the UPS monitoring service. Once the program successfully executes, it will show "UPSMON: Start Monitor" indicating a successful UPS connection.

Checking UPS Status

To check the UPS status and ensure the connection is working correctly, use the command: `upsmon-pro-status`. This will continuously poll the current UPS status until you press Ctrl-C.

Configuring UPSMON PRO

To configure email notifications for UPS events, use the command: `upsmon-pro-mail`. This will help you set up email notifications once UPS events occur. To test the email configuration, use the command: `upsmon-pro-mail-test`.

Performing UPS Tests

To check the battery health of the UPS, use the command: `upsmon-pro-test`. This will briefly supply power from the UPS battery. To simulate the battery capability, use the command: `upsmon-pro-test-deep`. This will test the UPS battery power to its limits. To cancel the deep battery power test, use the command: `upsmon-pro-test-cancel`.

Controlling UPS Alarm

To turn on the UPS alarm for warning conditions, use the command: `upsmon-pro-beeper-on`. To turn off the UPS alarm, use the command: `upsmon-pro-beeper-off`.

PRODUCT USAGE INSTRUCTIONS

UPSMON PRO Install

- **Command:** `cp UPSMONtar/home/user`
- **Command:** `tar -xvf UPSMON_PRO_Linux.tar`
- **Command:** `cd UPSMON_PRO_Linux`

This command will copy and uncompressed this ups monitoring software
The package contains executable files about UPS monitoring, configuration, and control

```

root@dlnow-System-Product-Name: /home/dlnow
root@dlnow-System-Product-Name: /home/dlnow# ls
Desktop  Downloads  Music  Public  UPSMON_PRO_Linux_V1.22.tar
Documents  examples.desktop  Pictures  Templates  Videos
root@dlnow-System-Product-Name: /home/dlnow# tar -xvf UPSMON_PRO_Linux_V1.22.tar
root@dlnow-System-Product-Name: /home/dlnow/UPSMON_PRO_Linux
UPSMON_PRO_Linux/upsmon-pro-outlet1-off
UPSMON_PRO_Linux/upsmon-pro-mail-test
UPSMON_PRO_Linux/upsmon-pro-beeper-on
UPSMON_PRO_Linux/upsmon-pro-log-erase
root@dlnow-System-Product-Name: /home/dlnow# cd UPSMON_PRO_Linux/
root@dlnow-System-Product-Name: /home/dlnow/UPSMON_PRO_Linux# ls
Class      upsmon-pro-mail-test  upsmon-pro-status
upsmon-pro-beeper-off  upsmon-pro-outlet1-off  upsmon-pro-status2
upsmon-pro-beeper-on   upsmon-pro-outlet1-on   upsmon-pro-stop
upsmon-pro-event        upsmon-pro-outlet2-off  upsmon-pro-test
upsmon-pro-event-erase  upsmon-pro-outlet2-on   upsmon-pro-test-cancel
upsmon-pro-info         upsmon-pro-restart      upsmon-pro-test-deep
upsmon-pro-log          upsmon-pro-service      upsmon-pro-ups-reboot
upsmon-pro-log-erase    upsmon-pro-start
upsmon-pro-mail         upsmon-pro-start-config
root@dlnow-System-Product-Name: /home/dlnow/UPSMON_PRO_Linux#

```

Diagram : UPSMON PRO Install (Ubuntu)

BB. UPSMON PRO Start

- Command : **upon-pro-start**

It will ask you the basic information and then auto start-ups monitoring service

- **UPS Connection:** 1.RS232 2.USB 3. SNMP-Card 4. UPSMON-PRO
- **Linux shutdown delay seconds:** When a power failure occurs, Linux will act shutdown after this count-down seconds
- **Linux shutdown if battery capacity:** Linux acts shut down at once if the battery descends to this level
- **Linux shutdown if battery backup minutes:** Linux act shut down at once if the battery estimated backup time descends to this minutes
- **Ups shutdown delay minutes:** Once Linux commits shutdown, ups will sustain power for these minutes

UPSMON: UPSMON Start

It means the program successfully execute

UPSMON: Start Monitor

It means the program successfully gets ups connection

```

root@dlnow-System-Product-Name: /home/dlnow/UPSMON_PRO_Linux
root@dlnow-System-Product-Name: /home/dlnow/UPSMON_PRO_Linux# ./upsmon-pro-start
a. UPS connection: 1.RS232 2.USB 3.SNMP-Card 4.UPSMON-PRO : 2
b. Linux shutdown delay seconds (default : 120) :
c. Linux shutdown if battery capacity % (default : 30) :
d. Linux shutdown if battery backup minutes (default : 5) :
e. Ups shutdown delay minutes (default : 3) :
f. Would you need to reset (default : N) :
root@dlnow-System-Product-Name: /home/dlnow/UPSMON_PRO_Linux# UPSMON : UPSMON Start
root@dlnow-System-Product-Name: /home/dlnow/UPSMON_PRO_Linux# UPSMON : Start Monitor
root@dlnow-System-Product-Name: /home/dlnow/UPSMON_PRO_Linux#

```

Diagram : USB Connection

```

dino@linux-s9bl:~/Desktop
File Edit View Terminal Tabs Help

linux-s9bl:/home/dino/UPSMON_PRO_Linux # ./upsmon-pro-start

a. UPS connection: 1.RS232 2.USB 3.SNMP-Card 4.UPSMON-PRO : 1
b. Name and path of serial port (ex:/dev/ttyS0) : /dev/ttyS0
c. Linux shutdown delay seconds (default : 120) : 90
d. Linux shutdown if battery capacity % (default : 30 ) :
e. Linux shutdown if battery backup minutes (default : 5 ) :
f. Ups shutdown delay minutes (default : 3 ) : 2
g. Would you need to reset (default : N ) :

linux-s9bl:/home/dino/UPSMON_PRO_Linux # UPSMON : UPSMON Start

linux-s9bl:/home/dino/UPSMON_PRO_Linux # UPSMON : Start Monitor

```

Diagram : RS232 Connection (SuSe)

```

dino@localhost:/home/dino/UPSMON_PRO_Linux
File Edit View Search Terminal Help

[root@localhost UPSMON_PRO_Linux]# ./upsmon-pro-start

a. UPS connection: 1.RS232 2.USB 3.SNMP-Card 4.UPSMON-PRO : 3
b. SNMP-Card IP address (ex:/dev/ttyS0) : 10.192.136.236
c. Linux shutdown delay seconds (default : 120) : 180
d. Linux shutdown if battery capacity % (default : 30 ) :
e. Linux shutdown if battery backup minutes (default : 5 ) :
f. Ups shutdown delay minutes (default : 3 ) : 5
g. Would you need to reset (default : N ) :

[root@localhost UPSMON_PRO_Linux]# UPSMON : UPSMON Start

[root@localhost UPSMON_PRO_Linux]# UPSMON : Start Monitor

[root@localhost UPSMON_PRO_Linux]#

```

Diagram : SNMP-Card Connection (CentOS)

B.2 After you get the description “UPSMON: Start Monitor”, please command immediately with “**upsmon-pro-status**” to make sure the connection and ups condition is all right

- **B.2 Command:** upsmon-pro-stop

It will stop ups monitoring the service

- **B.3 Command:** upsmon-pro-service

This command directly start-ups monitoring without any information query (Add this within start daemon)

- **B.4 Command:** upsmon-pro-restart

This command will restart the UPS monitoring

- **B.5. Command:** upsmon-pro-start-config

This command will reset the ups connection and shutdown condition Polling Interval: The application query interval to ups (second)

```

dino : bash — Konsole
File Edit View Bookmarks Settings Help

linux:/home/dino/UPSMON_PRO_Linux # ./upsmon-pro-start-config

a. UPS connection: 1.RS232 2.USB 3.SNMP-Card 4.UPSMON-PRO : 1
b. Name and path of serial port (ex:/dev/ttyS0) : /dev/ttyS0
c. Linux shutdown delay seconds (default : 120) : 60
d. Linux shutdown if battery capacity % (default : 30 ) : 20
e. Linux shutdown if battery backup minutes (default : 5 ) : 3
f. Ups shutdown delay minutes (default : 3 ) : 2
g. Ups polling interval seconds (default : 2 ) : 3
h. Execute user command: 0.No 1.Yes (default : 0 ) : 1
i. Execute user command seconds (default : 10 ) : 20
j. Save configuration: 0.Yes 1.No (default : 0 ) :

```

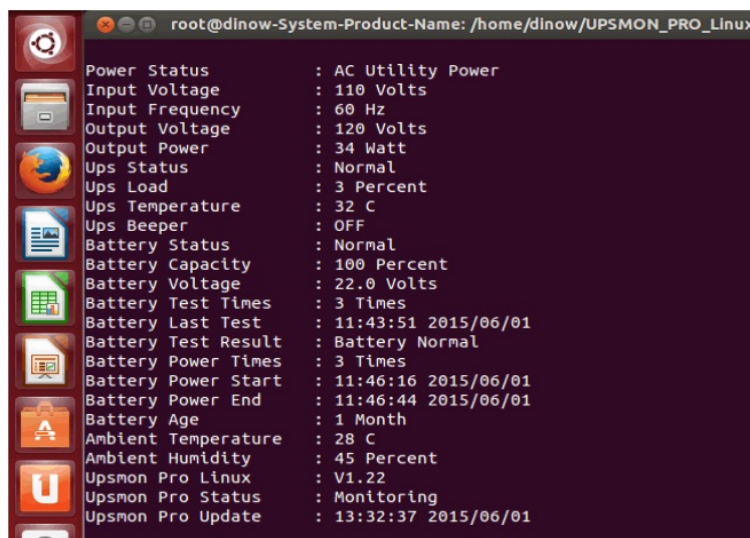
Diagram : Start Config

CC. UPSMON PRO Status

- **C.1 Command:** upsmon-pro-status

It will repeatedly poll your current ups status until Ctrl-C pressing

- **Power Status:** Battery Power / Utility Power
- **Input Voltage:** To display utility power voltage
- **Input Frequency:** To display utility power frequency
- **Output Voltage:** To display ups output voltage
- **Output Power:** To display ups output power
- **UPS Status:** Normal / Bypass / AVR Boost / AVR Buck / UPS Failed
- **UPS Load:** To display the total capacity of loads
- **UPS Temperature:** To display ups inside temperature
- **UPS Beeper:** ON / OFF
- **Battery Status:** Normal/ Charge/ Discharge / Battery Test / Low Battery / Battery Failed
- **Battery Capacity:** To display battery percentage level
- **Battery Voltage:** To display the battery its voltage
- **Battery Backup Time:** To display battery estimated backup time in battery mode
- **Battery Test Times:** Accumulated times that ups made battery test
- **Battery Last Test:** The last time this ups made battery test
- **Battery Test Result:** Normal / Battery Failed / Low Battery
- **Battery Power Times:** Accumulated times that up output power supply from batteries
- **Battery Power Start:** The last time ups switch power from its battery
- **Battery Power End:** The last time ups switch power to utility
- **Battery Age:** The age of UPS batteries used
- **Ambient Temperature:** The sense of environmental temperature
- **Ambient Humidity:** The sense of environmental humidity
- **Upsmon Pro Linux:** This ups monitoring software version
- **Upsmon Pro Status:** Monitoring / Disconnect
- **Upsmon Pro Data Update:** The data update time
- **Upsmon Pro is going to shut down after XXX seconds:** Blackout and shutdown mode



```
root@dinow-System-Product-Name: /home/dinow/UPSMON_PRO_Linux
Power Status      : AC Utility Power
Input Voltage     : 110 Volts
Input Frequency   : 60 Hz
Output Voltage    : 120 Volts
Output Power      : 34 Watt
Ups Status        : Normal
Ups Load         : 3 Percent
Ups Temperature   : 32 C
Ups Beeper        : OFF
Battery Status     : Normal
Battery Capacity   : 100 Percent
Battery Voltage    : 22.0 Volts
Battery Test Times : 3 Times
Battery Last Test  : 11:43:51 2015/06/01
Battery Test Result : Battery Normal
Battery Power Times : 3 Times
Battery Power Start : 11:46:16 2015/06/01
Battery Power End   : 11:46:44 2015/06/01
Battery Age        : 1 Month
Ambient Temperature : 28 C
Ambient Humidity   : 45 Percent
Upsmon Pro Linux   : V1.22
Upsmon Pro Status   : Monitoring
Upsmon Pro Update   : 13:32:37 2015/06/01
```

Diagram : UPS Status

C.2 Command: upsmon-pro-info

To display up service/device information / and configuration.

- **Ups Company:** The manufacturer of the ups
- **Ups Model:** The ups model name
- **Ups Firmware:** The UPS firmware version
- **Rating Input Volt:** Rating Input Voltage
- **Rating Output Volt:** Rating Output Voltage
- **Upsmon Pro Connect :** RS232 / USB / SNMP-Card / UPSMON-PRO
- **Upsmon Pro RS232 Port Name and Path:** Serial port path (ex: /dev/ttyS0)
- **Upsmon Pro Master IP:** The IP address of Upsmon Pro Master (RS232 or USB)
- **Snmp Card IP:** The IP address of the snmp card
- **Snmp Card firmware:** The firmware version of snmp card
- **Snmp Card Community:** The community of snmp card
- **Upsmon Pro Usb VID & PID:** Usb vendor ID and Usb Product ID
- **Upsmon Pro Usb Type:** Driver for usb/hid ups equipment
- **Polling Interval:** The query interval to ups
- **Linux shutdown delay seconds:** When a power failure occurs, Linux will act shutdown after this count-down seconds
- **Linux shutdown if battery capacity:** Linux acts shut down at once if the battery descends to this level
- **Linux shutdown if battery backup minutes:** Linux act shut down at once if ups estimated battery backup time descends to this minutes
- **Ups shutdown delay minutes:** Once Linux commits shutdown, ups will sustain power for these minutes
-

```

dino@linux-s9bl:~/Desktop
File Edit View Terminal Tabs Help
linux-s9bl:/home/dino/UPSMON_PRO_Linux # ./upsmon-pro-info

Ups Company           : POWERCOM
Ups Model             : VGS-1000
Ups Firmware          : Ver 1XP0.3
Rating Input Voltage   : 120 Volts
Rating Output Voltage  : 120.0 Volts
Rating Battery Voltage : 36.00 Volts
Rating Frequency       : 60.0 Hz
Upsmon Pro Connect    : SNMP-Card
SNMP-Card IP          : 210.202.53.134
SNMP-Card firmware    : 2.44.BT506
SNMP-Card Community   : public
Upsmon Pro Polling Interval : 2000 ms
Linux shutdown delay seconds : 120 Seconds
Linux shutdown if battery capacity % : 30 Percent
Linux shutdown if battery backup minutes : 5 Minutes
Ups Shutdown Delay    : 3 Minutes
  
```

Diagram : UPS Information

C.3 Command: upsmon-pro-log

To list the UPS data log

• C.4 Command: upsmon-pro-log-erase

To erase the ups data log To avoid data conflict, please execute this command without upsmon pro service running

• C.5 Command: upsmon-pro-event

To list the UPS event

• C.6 Command: upsmon-pro-log-erase

To erase the event of the up To avoid data conflict, please execute this command without upsmon pro service running

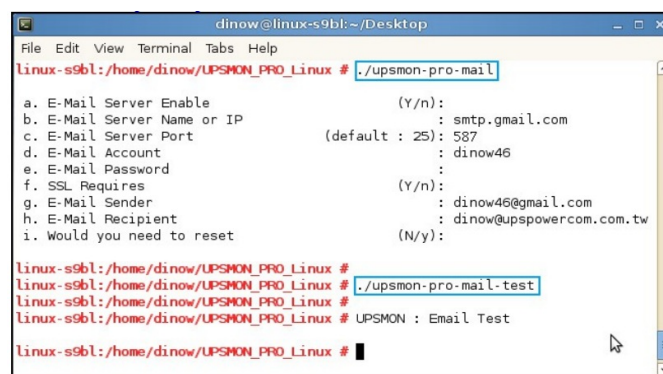
DD. UPSMON PRO Config

D.1 Command: upsmmon-pro-mail

This configuration will help you to get email notification once uUPSevents occurs

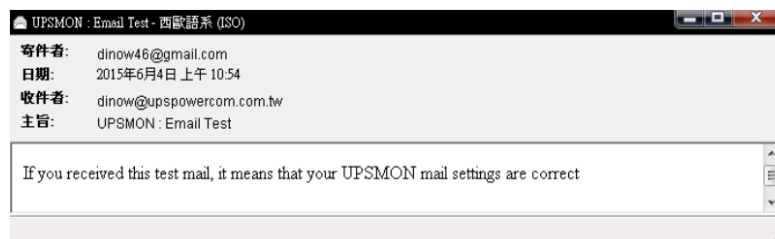
- **E-Mail Server Enable:** Y / n
- **E-Mail Server Name or IP:** Email server address
- **E-Mail Server Port:** 25 (default)
- **E-Mail Account:** The account of this email server
- **E-Mail Password:** The password of this email account
- **SSL Requires:** This mail server requires a secure connection
- **E-Mail Sender:** The email address of this account
- **E-Mail Recipient:** The recipient who needs to get an email notification

D.2 Command: upsmmon-pro-mail-test



```
dinow@linux-s9bl:~/Desktop
linux-s9bl:/home/dinow/UPSMON_PRO_Linux # ./upsmmon-pro-mail
a. E-Mail Server Enable (Y/n):
b. E-Mail Server Name or IP : smtp.gmail.com
c. E-Mail Server Port (default : 25): 587
d. E-Mail Account : dinow46
e. E-Mail Password :
f. SSL Requires (Y/n):
g. E-Mail Sender : dinow46@gmail.com
h. E-Mail Recipient : dinow@upspowercom.com.tw
i. Would you need to reset (N/y):
linux-s9bl:/home/dinow/UPSMON_PRO_Linux #
linux-s9bl:/home/dinow/UPSMON_PRO_Linux # ./upsmmon-pro-mail-test
linux-s9bl:/home/dinow/UPSMON_PRO_Linux # UPSMON : Email Test
linux-s9bl:/home/dinow/UPSMON_PRO_Linux #
```

This command will send a test mail to make sure your configuration is successful or not



EE. UPSMON PRO Set

- **E.1 Command:** upsmmon-pro-test
To check the battery health, UPS will supply the power shortly from its battery
- **E.2 Command:** upsmmon-pro-test-deep
To simulate battery capability, ups will supply battery power for its limits
- **E.3 Command:** upsmmon-pro-test-cancel
With this command, it will cease deep battery power test
-

```

Applications Places System
dinow@localhost:/home/dinow/UPSMON_PRO_Linux
File Edit View Search Terminal Help
[root@localhost UPSMON_PRO_Linux]# ./upsmon-pro-test
[root@localhost UPSMON_PRO_Linux]# UPSMON : Battery Test

dinow@localhost:/home/dinow/UPSMON_PRO_Linux
File Edit View Search Terminal Help

Power Status      : AC Utility Power
Input Voltage     : 111 Volts
Input Frequency   : 59 Hz
Output Voltage    : 120 Volts
Ups Status        : Normal
Ups Load          : 0 Percent
Ups Temperature   : 31 C
Ups Beeper        : ON
Battery Status     : Discharge (Battery Test)
Battery Capacity  : 99 Percent
Battery Voltage   : 2.19 Volts
Battery Backup Time : 199 Minutes (Estimate)
Battery Test Times : 3 Times
Battery Last Test  : 10:16:42 2015/06/03
Battery Test Result : Battery Normal
Battery Age        : 2 Days
Upsmon Pro Linux   : V1.22
Upsmon Pro Status  : Monitoring
Upsmon Pro Update  : 10:16:42 2015/06/03

```

Diagram : UPS Batter Test

E.4 Command: upsmon-pro-beeper-on

Ups alarm for ups warning condition

- **E.5 Command:** upsmon-pro-beeper-off

Ups silence for UPS warning condition

- **E.6 Command:** upsmon-pro-ups-reboot

Description: Shutdown Linux and reboot ups after XX minutes

- Ups reboot after minutes: Ups reboot its power after 1 minute
- Commit ups reboot (Y / n) :

- **E.7 Command:** upsmon-pro-outlet1-off

It will turn ups outlet1 OFF at once

- **E.8 Command:** upsmon-pro-outlet1-on

It will turn ups outlet1 ON at once

- **E.9 Command:** upsmon-pro-outlet2-off

It will turn ups outlet2 OFF at once

- **E.10 Command:** upsmon-pro-outlet2-on

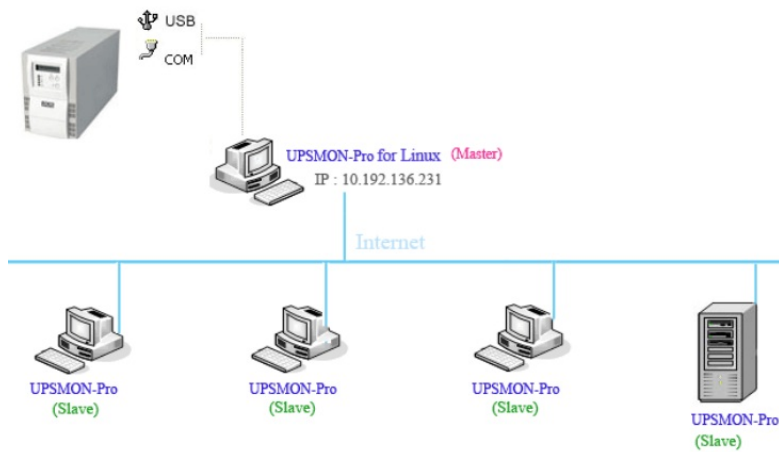
It will turn up outlet2 ON at once UPS outlet control is specific for certain ups

FF. UPSMON PRO Multi-Connect

The UPSMON PRO can play the role of Master or Slave

F.1 UPSMON PRO Master

- UPSMON PRO Master: The Linux that physically connects UPS via RS232 or USB
- UPSMON PRO Master: It can share UPS status with the other UPSMON PRO Slaves
- EX: UPSMON PRO Master: 192.136.231 (IP Address)



F.2 UPSMON PRO Linux Slave

- UPSMON PRO Slave: The Linux that connects to UPSMON PRO Master via the net
- UPSMON PRO Slave: Execute upsmon-pro-start with 4 upsmon-pro parameter

```

Applications Places System
dinow@localhost:/home/dinow/UPSMON_PRO_Linux
File Edit View Search Terminal Help

[root@localhost UPSMON_PRO_Linux]# ./upsmon-pro-start

a. UPS connection: 1.RS232 2.USB 3.SNMP-Card 4.UPSMON-PRO : 4
b. UPSMON-PRO IP address : 10.192.136.231
c. Linux shutdown delay seconds (default : 120) :
d. Linux shutdown if battery capacity % (default : 30) :
e. Linux shutdown if battery backup minutes (default : 5) :
f. Would you need to reset (default : N) :

[root@localhost UPSMON_PRO_Linux]# UPSMON : UPSMON Start
[root@localhost UPSMON_PRO_Linux]# UPSMON : Start Monitor

```

F.3 UPSMON PRO Windows Slave

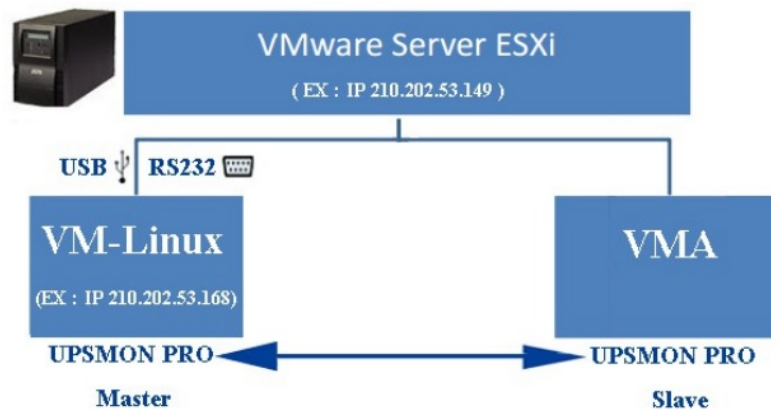
- UPSMON PRO Slave: The Windows that connect to UPSMON PRO Master via net
- UPSMON PRO Slave: Connect: Choose UPSMON PRO



UPSMON PRO Auto Start

G.1 Command : / path / UPSMON_PRO_Linux / upsmon-pro-service

To have a daemon start every time Linux reboots, please add the above script to the beginning procedures. Typically this script is located in "/etc/rc.d/" or "/etc/rc.d/rc.local" or "/etc/init.d/rc.local". However, the name and path vary by the distribution



H.1 Get ups monitoring on vm-Linux

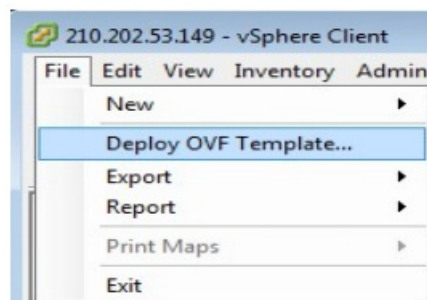
1. UPSMON PRO installed on vm-Linux (Refer AA)
2. UPSMON PRO gget-upsmonitoring via usb-port or com-port
3. UPSMON PRO now plays the role of master

H.2 VMA Install (vSphere Management Assistant)

1. VMWare web site <https://www.vmware.com/support/developer/vima/>
2. Download the **VMA**



3. Start the VMware vSphere Client
4. Select "File" > "Deploy OVF Template". Click the browse button and select the OVF document.



5. Execute VMA and the default user name is vi-admin. Set the password before the first login

H.3 UPSMON PRO Install and start monitoring on VMA

1. **Command** : cp UPSMON_PRO_Linux.tar /home/user

2. **Command** : tar -xvf UPSMON_PRO_Linux.tar
3. **Command** : cd UPSMON_PRO_Linux
4. **Command** : ./upsmon-pro-start
5. UPSMON-PRO: 4
6. UPSMON-PRO-Master IP Address
7. Count down seconds
- 8.

```

UPS VMA TEST
localhost:/home/dinow/UPSMON_PRO_Linux # ./upsmon-pro-start
a. UPS connection: 1.RS232 2.USB 3.SNMP-Card 4.UPSMON-PRO : 4
b. UPSMON-PRO IP address : 210.202.53.168
c. Linux shutdown delay seconds (default : 120) : 60
d. Linux shutdown if battery capacity % (default : 30 ) :
e. Linux shutdown if battery backup minutes (default : 5 ) :
f. Would you need to reset (default : N ) :

localhost:/home/dinow/UPSMON_PRO_Linux # UPSMON : UPSMON Start
localhost:/home/dinow/UPSMON_PRO_Linux # UPSMON : Start Monitor
localhost:/home/dinow/UPSMON_PRO_Linux #

```

Command : ./upsmon-pro-status

```

UPS VMA TEST
Power Status      : AC Utility Power
Input Voltage     : 110 Volts
Input Frequency   : 59 Hz
Output Voltage    : 120 Volts
Ups Status        : Normal
Ups Load          : 0 Percent
Ups Temperature   : 27 C
Ups Beeper        : OFF
Battery Status     : Charge
Battery Capacity  : 69 Percent
Battery Backup Time : 158 Minutes (Estimate)
Battery Power Times : 2 Times
Battery Power Start : 11:09:26 2017/06/26
Battery Age       : 1 Day
Upsmon Pro Linux   : V1.26
Upsmon Pro Status  : Monitoring
Upsmon Pro Update  : 11:42:10 2017/06/26

```

H.4 UPSMON PRO VMWare shutdown configuration

1. **Command** : upsmon-pro-vmware
2. Filled in your Vmware Esxi IP / root (administrator) / password

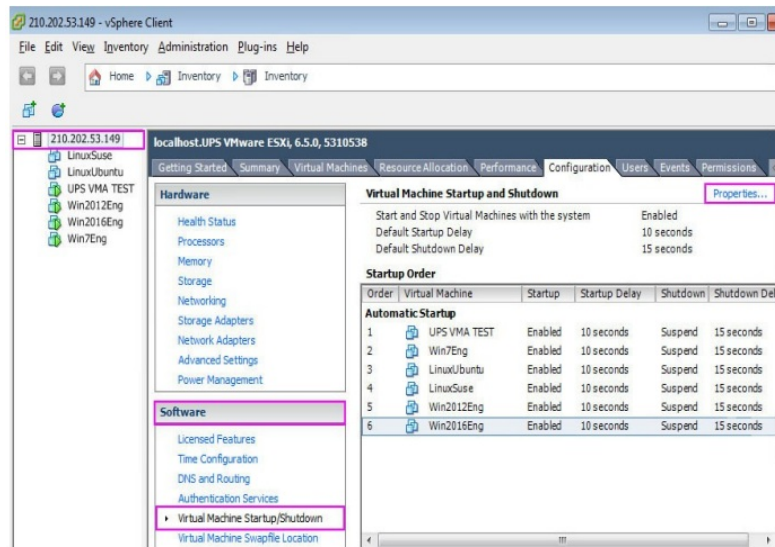
```

localhost:/home/dinow/UPSMON_PRO_Linux # ./upsmon-pro-vmware
a. VMWare Server Shutdown (Y/n):
b. VMWare Server IP : 210.202.53.149
d. VMWare Root Account (default : root):
e. VMWare Root Password :
i. Would you need to reset (N/y):

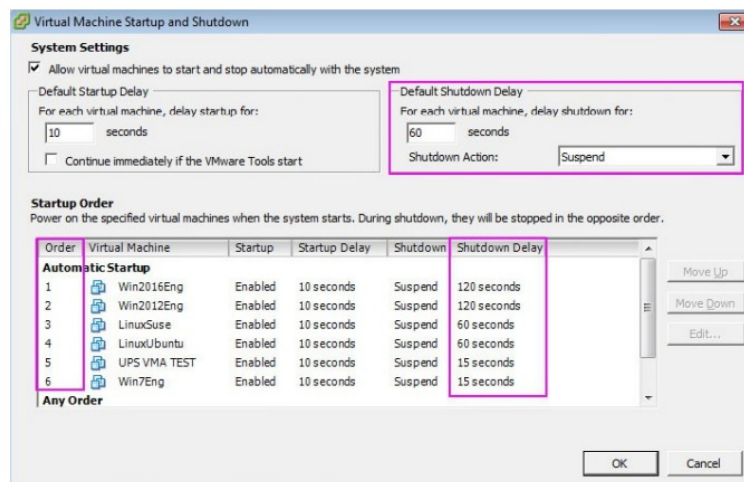
```

H.5 Configure startup/shutdown automatically with VMware ESXi

1. Vmware host >> Software >> Virtual Machine Startup / Shutdown >> Properties

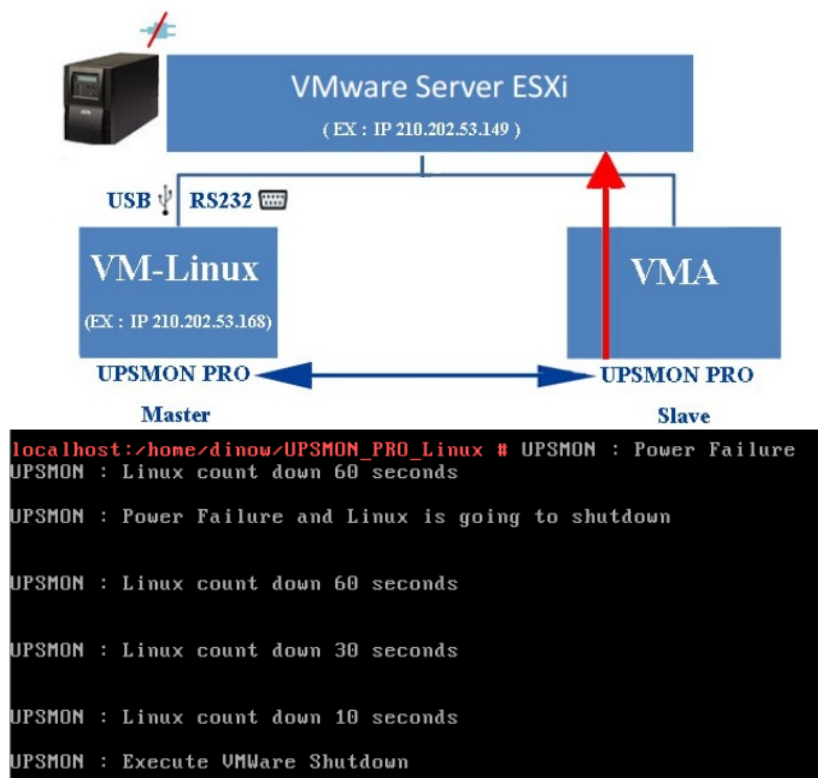


2. This window allows you to set: up shutdown type/shutdown delay/shutdown order/startup order



Ex : In above example : Win7Eng shutdown **first** / Win2016Eng shutdown **last**

H.6 Power failure and the VMware shutdown as a sequence



H.7 Configuration to auto-start up VMware ESXi

Command : / path / UPSMON_PRO_Linux / upsmmon-pro-service

To have a daemon start every time via reboots, please add the above script to the beginning procedures. Typically this script is located in “/etc/rc.d/rc3.d” and “/etc/rc.d/rc5.d”. However, the name and path vary by the distribution

```
localhost:/etc/rc.d/rc3.d # cat S14upsmmon
/home/dinow/UPSMON_PRO_Linux/upsmmon-pro-service
localhost:/etc/rc.d/rc3.d # cd ../rc5.d
localhost:/etc/rc.d/rc5.d # cat S14upsmmon
/home/dinow/UPSMON_PRO_Linux/upsmmon-pro-service
localhost:/etc/rc.d/rc5.d # _
```

Q and A

Supported Operating Systems

- CentOS
- Debian
- Fedora
- RedHat
- Suse
- OpenSuse
- Ubuntu
- Mint

H.2 Linuxusb connect Fail :

Command : sudo	apt-get	install lib32bz2-1.0	(Debian)
Command : sudo	apt-get	install lib32z1	(Ubuntu / Mint)
Command : yum	install	glibc.i686	(Fedora / CentOS)

H.3 Linux Display Fail :

1. **Command:** sudo apt-get install default-jre \
2. **Command :** cd UPSMON_PRO_Linux / EXT
3. **Command :** java Display

H.4

Stop the service with command


- **Command :** ps -aux | grep “noverify”
- **Command:** PID
- **Former ups and its usb connection :** Command: cd Class/EXT
- **Command:** vi UPS_USB_2400.txt ./UPS_USB_1200.txt

```
dinow : bash — Konsole
File Edit View Bookmarks Settings Help
linux:/home/dinow/UPSMON_PRO_Linux # ps -aux | grep "noverify"
root      2783  0.0  0.4 1249200 33096 pts/1    Sl   14:09   0:00  ./jre/bin/java -noverify Connect
root      3063  0.0  0.0  10508   1604 pts/1    R+   14:16   0:00  grep --color=auto noverify
linux:/home/dinow/UPSMON_PRO_Linux # kill 2738
```

H.5 Former ups and its usb connection :

- **Command** : cd Class/EXT
- **Command**: vi UPS_USB_2400.txt ./UPS_USB_1200.txt

Documents / Resources

	<p>POWERCOM PRO V1.4 UPS Monitoring Software [pdf] User Manual PRO V1.4 UPS Monitoring Software, PRO V1.4, UPS Monitoring Software, Monitoring Software , Software</p>
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References

-  [Home - VMware {code}](#)