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#     PowerPanel for Linux Installation Guide  
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The PowerPanel for Linux software is primary to help system to monitor UPS, which has USB or serial port. The pwrstatd program will run as a daemon process, it startups since system is booting. The pwrstatd communicates with UPS and help system to do graceful shutdown while the power events are aware. The another program called pwrstat, which helps user to get status of the UPS and settings of the pwrstatd daemon. It also allows user to configure the UPS and pwrstatd daemon.

Pre-requirement

1. The root authority is necessary for following instruction. You can use 'su' command to change authority as root.

Installation

1. Install deb package.

In terminal, change current directory to package location and typing command in x86 linux as:

```
dpkg -i powerpanel_ver_i386.deb
```

or typing command in x64 linux as:

```
dpkg -i powerpanel_ver_amd64.deb
```

In X Window desktop, open file browser and locate to folder of installation package. To double click the file 'powerpanel_ver_i386.deb' or 'powerpanel_ver_amd64.deb' according to your system architecture and following the wizard to finish installation.

Notes:

- A. The ver denotes a version, you have to replace it with the actual one, for example, "1.1".
- B. It will show 'Installation accomplished!' message after installation done.
The daemon process will startup to monitoring UPS immediately.

C. You have to read completely and agree the content of Software License Agreement which file is in /usr/share/doc/powerpanel/LICENSE after installation.

Un-installation

In terminal, run the un-install command as:
dpkg -r powerpanel

In X Window desktop, open the software management then find and select the 'powerpanel' package. Right click and select 'delete' option then follow the wizard to finish un-installation.

Notice

1. After install rpm package finished, you can find more information on '/usr/share/doc/powerpanel' directory. The files describe as below:

LICENSE, PowerPanel for Linux software license agreement.
README, information about this version of release.
install-guide, for this document.
user-manual, To instruct how to use this software.
deploy-guide, To instruct how software should be deployed. you may need this guide if you meet trouble at installation.

2. To ensure UPS is working well, you can use 'pwrstat -status' command to check its status. Please in terminal typing as:

```
pwrstat -status
```

3. To get more information about 'pwrstat' command, type:

```
pwrstat -help
```

4. The 'pwrstat' command is also need root authority, please see Pre-requirement section.

5. To view more information about 'pwrstat' and 'pwrstatd' man page helps, type command as:

```
man pwrstat  
man pwrstatd
```