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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. Un-compress installation package.
In terminal, change current directory as package location and typing command in x86 linux as:

```
tar -xzvf powerpanel-ver-i386.tar.gz
```

or typing command in x64 linux as:

```
tar -xzvf powerpanel-ver-x86_64.tar.gz
```

Note:

- A. The ver denotes a version, you have to replace it with the actual one, for example, "1.1".
- B. It will create a directory powerpanel-ver after the un-compress completes.

2. Install software.

2.0. You have to read completely and agree the content of Software License

Agreement which file is in ./doc/LICENSE before installation.

2.1. Change current directory to powerpanel-ver as:

```
cd powerpanel-ver
```

2.2. Run installation command as:

```
./install.sh
```

Note. It will show 'Installation accomplished!' message after installation done.
The daemon process will startup to monitoring UPS immediately.

Un-installation

1. Change current directory to un-compressed package directory.
2. Run un-installation command as:
./uninstall.sh

Notice

1. You can find more information on un-compressed package directory 'powerpanel-ver/doc'. The file 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, typing command as:

```
pwrstat -help
```

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

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

```
man pwrstat  
man pwrstatd
```