

SPM 4.2.0 Release Notes

4.2. March Patch RC4- 04-20-10

4.2. March Patch RC3- 03-30-10

4.2. March Patch RC1- 03-05-10

4.2. - Patch -01-04-10

4.2. - December Patch -12-18-09

4.2. - Patch -12-03-09

New Features:

- API support added. A full featured programming interface to the system has been added.
- PIPS support preplanning (PIPS Support will not be until version 4.3.0)
 - new power report
 - new trend options
 - all PIPS related data
- Web client SSL support
- SSH support
- Automated Backup support – Now, daily, weekly or monthly
- NTP support
- FTP configuration support
- Power data from competitive PDUs can now be gathered
 - Power from the whole devices
 - Power from Infeeds or Branches
 - Power from Outlets
- Trap forwarding support added
- New load report
- New report to show all power information on one report
- Support for a new more powerful RAID appliance

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- Support for VMWare Virtual Appliances
- Support for CS-18 added

Improvements:

- Streamlined operating system – removed unnecessary packages
- better use of disk space on data logging using industry standard trending methods.
 - Detail on 2 minute intervals for 10 days
 - Detail on 4 hour intervals for 2 months
 - Detail on 1 day intervals for up to 3 years
- improved security options
 - Login lockouts for security
 - blocked creation of certain user names that could take advantage of the system
 - 'root', 'daemon', 'bin', 'sys', 'sync', 'mail', 'proxy', 'www-data', 'backup', 'list', 'irc', 'nobody', 'libuuid', 'syslog', 'avahi-autoipd', 'saned', 'messagebus', 'polkituser', 'avahi', 'haldaemon', 'postfix', 'postgres', 'sshd', 'ftp'
 - SSH support over Telnet support
 - SSL support
 - Per user lockouts for invalid password attempts
- improved trap handling
- increased size of email fields – 250 max now
- many new trendable fields
 - **Outlets**
 - Power min, max, ave
 - Load min, max, ave
 - Voltage min, max, ave
 - ApparentPower ave
 - CrestFactor ave
 - PowerFactor ave
 - Capacity ave
 - **Infeeds**
 - Power min, max, ave
 - Load min, max, ave
 - Voltage min, max, ave
 - ApparentPower ave (PIPS)
 - CrestFactor ave (PIPS)
 - PowerFactor ave (PIPS)
 - Capacity ave
 - **Temp Humid**
 - Temperature min, max, ave
 - Humidity min, max, ave
 - **System**
 - WattsPerUArea ave
 - TotalPower min, max, ave

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- trends show max and min values with the trend lines
- Any number of trends can be added to one graph
- The trend is now an image, and now can be saved and sent as an attachment to email – right click the image for the list of browser options
- SNMP polling is more efficient with a little less network traffic
- the system can now be configured to use Celsius or Fahrenheit in its displays
- the system can now be configured to use Square Meters or Square Feet in its displays
- support for CS 18 added

Deprecated:

- ODBC interface – The API above replaces the functionality of this feature, and this will only be supported until the next major release.

Discontinued or Removed Features:

- trends no longer show information on individual points when hovered over – trends are now images generated from the server
- data is trended in an industry standard way, individual points are no longer tracked – this is the cost of the vast amount of data we would need to track.

Major Issues resolved:

- Slow or unloadable trends
- unmanageable growth of data log tables
- Ampersands in CDU data breaking SPM

4.2 March Patch RC 4 (04-20-10)

Bug Fixes

- #923 Parent locations reporting incorrect Temperature
- # 946 Backup completes each day when schedule set to NONE
- #962 Devices incorrectly being reported as a status/reason “N/A”

4.2 March Patch RC 3 (03-30-10)

Adjustment – The patch upgrade will not perform all Ubuntu OS level Debain patch upgrades just like the main upgrade package does.

Enhancement – Trap forwarding added

Bug Fixes

- #949 Postgres and SPMDM process using too much CPU process
- # 950 Cabinets in a location grouped wrong on several reports
- #755 Remove extraneous “The device is normal” logs
- #956 SNMP error log typo

4.2 March Patch RC 1 (03-30-10)

Adjustment- The copyright was changed to reflect the inclusion of 2010

Bug Fixes

- #807 Energy report calculation issue
- # 831 View Page: editing cabinets displays two icons for one cabinet
- #851 View Page: editing cabinets displays extra CDU icons
- #852 Users in the View permission group can't see anything on the outlets page
- #877 Handle CDU names with parenthesis () in them
- #866 SSH does not work on some systems
- #916 Hostname not displayed on settings tab
- #818 Do not allow a blank hostname
- #859 Manual Add Device TYPE selection is not big enough
- #817 Display view items – temperature labeled incorrectly
- #910 Environmental monitors - error msg incorrect for wrong SNMP settings

4.2 Patch (01-04-10)

Adjustment- Support for the CS-18 added

4.2 December Patch (12-18-09)

Bug Fixes

- #804 Remove Infeed Capacity from trend list
- # 805 Remove Outlet Capacity from trend list
- #806 XML output for some trend types does not work
- #814 Energy Reports Fail to log after one day
- #816 Can't report on one day

4.2 Patch (12-03-09)

Adjustment- #793 Outlet trends not working

Bug Fixes

- #794 Scheduled backups did not run