SPM 5.1.5.5062 Release Notes

5.1.5.5062 - January – 2012

New Features/Enhancements

- SPM now available as a VMWare Virtual Server
- SNAP ™ allows for the configuration of CDUs via SPM
    - SNAP ™ feature requires CDU Firmware 6.1d or newer
    - Secure communication between the CDU & SPM via SSL
    - SNAP ™ CDU configuration settings can be applied during discovery or applied anytime
    - SNAP ™ CDU settings fields are available per CDU, Location, Cabinet, Zone
    - SNAP ™ settings from one object can be copied to another object (e.g. Location to CDU or Cabinet to Zone, etc)
    - SNAP ™ Status is available per object (CDU, Location, Cabinet, Zone)
    - SNAP ™ CDU configuration settings can be saved per object (CDU, Location, Cabinet, Zone)
    - SNAP ™ Status of entire system in Report Menu allows filtering by Device, SNAP ™ Value or Status
    - SNAP ™ communication can be turned off via Firmware setting
    - SNAP ™ settings can be "locked" (restricted) so that individual CDUs will not receive mass updates from SPM
    - SNAP ™ report lists all CDUs SNAP ™ upgrade status and SNAP ™ related information
- Email can be enabled or disabled without deleting settings
- Search now includes all system object types
- Objects list now include: Contact Closures, Enclosures, Environmental Monitors, Infeeds, Lines, Outlets, & Sensors
- 5 Node Virtual Evaluation Version with no expiration via software key
- Power Modifier field added to Cabinets allows static loads in Watts
- User created Views
    - You can share Views with all users
    - User created Views can be set as Home view which will be the default view when logging in
    - There is a new Getting Started View that cannot be deleted
    - There is a new SPM Wizard View that cannot be deleted
- User Group Permissions enhanced
    - Mixed permissions are allowed
    - Settings can be defaulted to ON now
    - New User Group: Power User to go along with Administrator & Regular User Groups

- Permissions: No Access, On, Off, Outlet Control, Reboot, Setup, View Only
  - o Administrator can set permissions on CDU, Outlet, Locations, Cabinets, Zones, Circuits, Outlet Group, & Outlet Clusters.
  - o Permissions can be set via right click menu
  - o Permission hierarchy is not supported. For example, changing top level location will not change permissions in the locations below.
  - o Setting Permissions can be done via a multi-select in object lists
- Configure Threshold allows user to set thresholds of objects in mass
  - o Configure Thresholds is available from right click menus or icon in toolbar
- Admin Users can now see what users are logged into the system under System Setup> Manage Users> User Login
- TACACS+ is now supported
- Trends & Reports can be made public for all users to see
- Reports now have the option to be grouped by Zone
- Notes field per object (Cabinets, CDUs, Circuits, Lines, Locations, Outlet Clusters, Outlet Groups, Zones)
- New Discovery Tool allows evaluation users a quick setup
- New Getting Started View provides help with basic SPM functions

Improvements

- Boot process is faster
  - o New Boot Graphic
- Operating System upgraded to Ubuntu 10.04 – 64 bit
- Database upgraded to Postgres 9.0
- File System has been partitioned to support future development
- NET-SNMP & Syslog versions upgraded
- Trends are no longer created for current or load when value is 0

Deprecated

- Not Applicable

Discontinued or Removed Features

- Not Applicable

Major Issues Resolved

- Not Applicable

Bug Fixes

- #1665 – Not required to add an image to a location to save it

- #1693 – Google Chrome selecting an item in a combo box then pressing backspace key closes Chrome
- #1696 – Temperature graphs always display Celsius regardless of unit C/F
- #1746 – Allow special characters in community strings
- #1759 – Unable to configure 3 phase CDUs master & expansion into separate circuits
- #1781 – Action reasons should allow apostrophe
- #1836 – Allow improperly formatted email address in email fields

Upgrade Path

- Users upgrading to 5.1.5.5062. must be on the 5.0.0.3707 SPM release.

5.0.0.3707 June – 2011

Major Revision

New Features/Enhancements

- All new application interface utilizing a multiple document interface (MDI).
  - Multiple objects can be open at the same time.
  - Active Alarm View.
  - Every object has quick links to load other objects it references.
- You can now see lists of cabinets, cdus, circuits, lines, locations, outlet groups, and zones.
  - Columns can be sorted or grouped.
  - Advanced paging control to help performance of display.
- Enhanced Search capabilities:
  - Search by: CDU Name, Environmental Monitor Name, Sensor Name, Contact Closure Name, Infeed Name, Outlet Name, Cabinet, Location Outlet Cluster, Outlet Group
- User Defined Dashboard Views. Views are configured per user.
- New "single pane of glass" Interface for objects (CDUs, Locations, Cabinets, Zones, Circuits, Outlet Groups & Clusters) in Sentry Power Management. Each object will have an overview page with trends and tabbed configuration screens.
- Zone Management allows for the virtual grouping of devices and/or cabinets for reporting of the contents as a whole. Zones can be monitored via summary screens.
- Circuit Management allows the user to virtually group CDUs to match the physical infrastructure of the power systems being monitored.   Circuits can be monitored via summary screens, reports and trends.
- Device Selection organized by:
  - By IP Subnet
  - Type of Item

- o Device Hierarchy
- Intelligent Data Grid for managing large data sets. This feature includes intelligent data filtering for sorting and grouping data, the ability to show/hide columns, and the ability to export selected data to an Excel worksheet.
- Intelligent Data Filtering technology allows for filtering data based on input fields at the top of the screen. Data entered into the input fields will be processed immediately. The filters can be simple or complex matching many fields at once.
- Most screens have the ability to export the RAW data set displayed to an Excel worksheet.
- Action Reasons feature allows the user to log information about the task being completed.
- Most configuration screens offer the ability to select multiple items for applying configuration to a large set of objects.
- Column values in lists can be set in mass using the footer bar.
- 3 Phase devices and Circuits now have line distribution graphs for 3 phase load balancing.
- Reports and Trends configuration can be saved.
- Reports and Trends can be scheduled and emailed at periodic times.
- Log entries can be filtered using the Intelligent Data Filtering and exported as RAW data to an Excel worksheet.
- Ability to schedule 1 time, daily, weekly or monthly Outlet Actions, Device Discovery, Email Report, Email Trend, Backup, Outlet Group, Outlet Cluster, DB Maintenance.
- Scheduled tasks can be viewed on a calendar as a Task Overview monthly schedule or as a Task Detail list.
- Ability to place thresholds on SPM objects representing CDUs, Cabinets, Locations, Zones and Circuits.
- Global setting of thresholds.
- Thresholds now include values for Warning High and Low and Critical High and Low.
- SPM now provides Servertech DC products the option to add a user defined voltage per outlet so that power information can be calculated.
- Location images enhancements:
  - o Allow snap to grid.
  - o Resize of icons.
  - o Icons can be rotated.
  - o All icons can be moved, sized or rotated at the same time.
  - o Maps point of view can zoom in and out, fit to width/height.
- Command Line Interface option to shutdown and power off the SPM.

Improvements

- Power type of device is now displayed.
- Discovery History can now be managed, scheduled and reused.
- Devices can be placed in Maintenance Mode in groups by selecting multiple devices.

- Devices can be assigned a Cabinet or Location in groups by selecting multiple devices.
- Most items now have a right-click menu as a secondary means of invoking a selected action.
- Application Help is now online and included with the SPM software.
- User Inactivity Timeout is now user configurable per user.
- Server time/date is displayed in the footer bar on the right hand side.
- Improved Network Port management in the Graphical User Interface.
- SPM displays its Serial Number on the Add License and Product License screens.
- SNMP settings are user adjustable, including Polling rate.
- Trending can now specify last #period of time instead of just working on whole day ranges.
- Location images can be changed.
- Location images can be resized.

Deprecated

- Not Applicable

Discontinued or Removed Features

- Not Applicable

Major Issues Resolved

- Not Applicable

Bug Fixes

- Not Applicable

Upgrade Path

- Users upgrading to 5.0.0.3707 must be on the 4.3.3 SPM release.