

PowerMAN New Features Guide v5.4

Release 5.4.0.5932 December 2015. Revised May 2016

Overview

PowerMAN v5.4 adds support for Windows 10.0. It also enables the live reporting feature first introduced in v5.3 by default and adds several new protected object features.

This document provides a brief explanation of recent new features and is intended for System Administrators already familiar with PowerMAN. This document describes release v5.4.0.

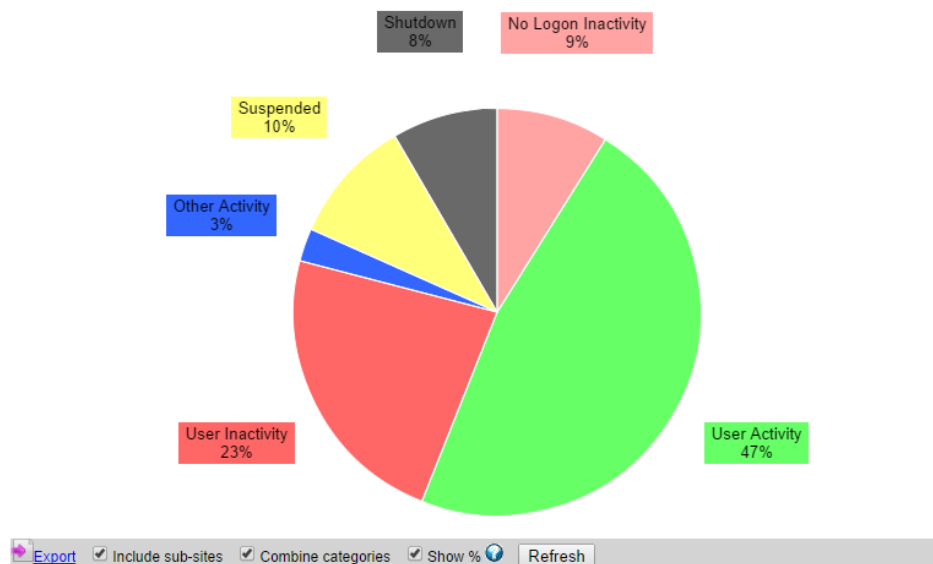
The majority of the new features present have followed feedback supplied by our customers. We remain very grateful to those sites for all the testing and feedback they have provided and hope they will find this release the most functional and reliable yet. In some cases previews of these features may have been present in the most recent builds of PowerMAN v5.3.x. This release represents the formal introduction of these features.

New features in PowerMAN v5.4

1. PowerMAN now supports **Windows 10.0**. The features available are identical to PowerMAN running on Windows 7/8.x
2. PowerMAN now supports optional **Live Reporting**. This shows the current workstation status across the selected reporting site and optionally all sub-sites. This feature requires minimal additional network bandwidth to provide an instant understanding of the current operational situation. It is ideal for display on departmental dashboards or similar:

University of New Town Live Statistics

Live Activity Breakdown



Note: Live reporting requires a new client product key. This is available free-of-charge to PowerMAN customers with current software assurance agreements.

3. PowerMAN now incorporates **Availability Reporting**. This shows workstations that are available for use and those already in use broken down by reporting site. This feature is intended for use on operational dashboards and organisation intranets:

Sub-Site Computer Availability

Site	Available	Not Available	Available
24/8 Computer Lab	12/60	<div style="width: 80%; background-color: red;"></div>	<div style="width: 20%; background-color: green;"></div>
Daytime Computer Lab	12/49	<div style="width: 75%; background-color: red;"></div>	<div style="width: 25%; background-color: green;"></div>
East Campus Library	13/25	<div style="width: 40%; background-color: red;"></div>	<div style="width: 60%; background-color: green;"></div>
Kiosk Terminals	0/1	<div style="width: 100%; background-color: red;"></div>	<div style="width: 0%; background-color: green;"></div>
West Campus Library	16/56	<div style="width: 70%; background-color: red;"></div>	<div style="width: 30%; background-color: green;"></div>

[Export](#)

- PowerMAN now provides a **Live Workstation** report. This shows the current live status of each workstation within the current reporting site and links through to the detailed workstation report:

Live Computer Status

Computer Name				
PMManagedPC1	PMManagedPC18	PMManagedPC26	PMManagedPC34	PMManagedPC42
PMManagedPC10	PMManagedPC19	PMManagedPC27	PMManagedPC35	PMManagedPC43
PMManagedPC11	PMManagedPC2	PMManagedPC28	PMManagedPC36	PMManagedPC44
PMManagedPC12	PMManagedPC20	PMManagedPC29	PMManagedPC37	PMManagedPC45
PMManagedPC13	PMManagedPC21	PMManagedPC3	PMManagedPC38	PMManagedPC46
PMManagedPC14	PMManagedPC22	PMManagedPC30	PMManagedPC39	PMManagedPC47
PMManagedPC15	PMManagedPC23	PMManagedPC31	PMManagedPC4	PMManagedPC48
PMManagedPC16	PMManagedPC24	PMManagedPC32	PMManagedPC40	PMManagedPC49
PMManagedPC17	PMManagedPC25	PMManagedPC33	PMManagedPC41	

- The PowerMAN reporting interface has been redesigned to use a new tabbed interface and make better use of larger screen sites (minimum 1024x768). This feature results in a less cluttered UI:



- PowerMAN now provides a **Devices** report. This can be used to quickly locate devices that meet specific hardware search criteria. This feature requires client version 5.2.8 or later:

Summary | Live | **Devices**

Information Technology Services Devices

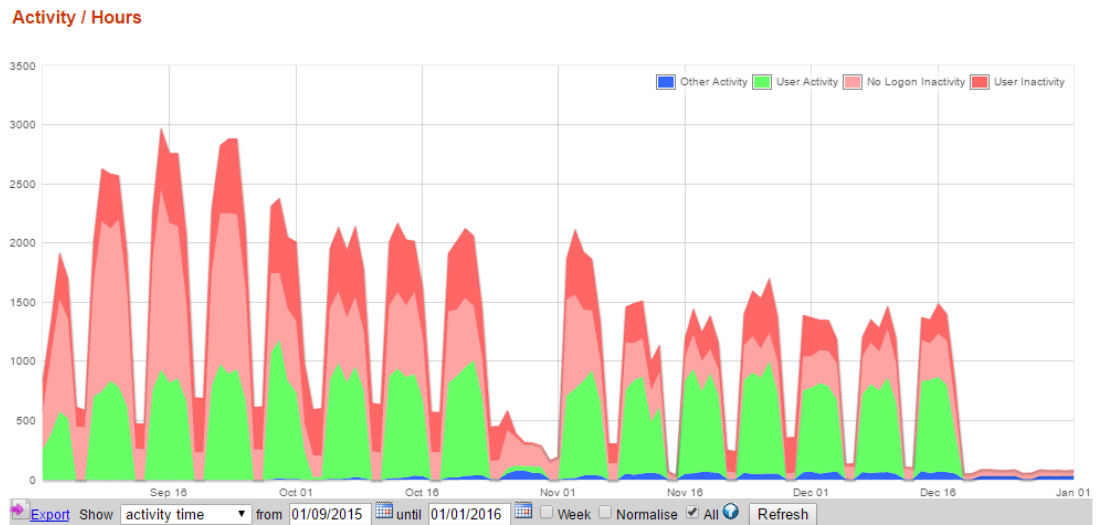
Client Version	All	CPU	Intel(R) Core(TM)2 Duo CPU E8500 @ 3.16GHz
OS Version	All	Logical Cores	All
Battery	All	RAM	All to All GB
Vendor	Dell Inc.	Hard Disks	All
Product/Code	All	Optical Drives	All
BIOS	All	Free System Drive	All GB
BIOS Version	All		

[Export](#) Show 1000 Computers Include sub-sites Refresh Showing 8 of 36 Records

Information reported includes:

- Number of CPU sockets / cores / logical processors
 - Estimated CPU speed (MHz)
 - CPU make / model
 - Installed RAM
 - Motherboard make / model
 - BIOS make / version / release date
 - Number of hard / optical disks
- PowerMAN now includes an **on-demand (pull) reporting API**. This can be used to automate reporting and integration.

- The PowerMAN reporting interface has been refreshed with a **new chart design** and **more granular information**. In particular reports now distinguish between workstations that are idle because no user is logged on and workstations that are idle but logged on. This information can be extremely useful when designing a suitable remedial power policy:



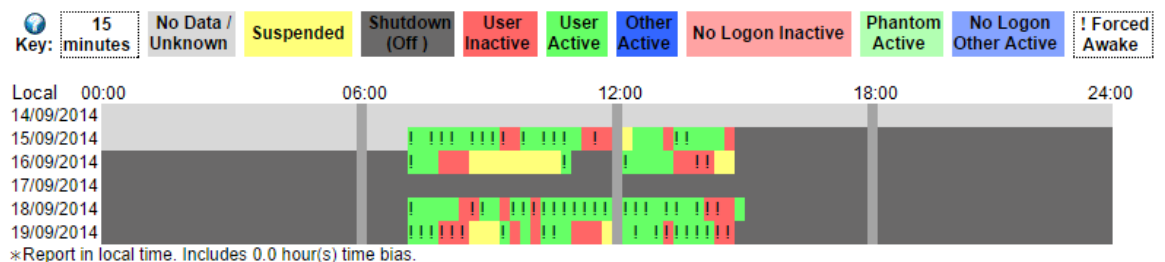
- Similarly, the per-workstation report have been updated to show both current live status (including workstations shutdown or suspended) and summary by activity:

Computer	ClientVer	Last Status	Inactive %	Inactive Hours	Active Hours	No Logon User	Inactive User Other	Delete Move
WIN732-1003662	5.2.9.5888	25/09/2014	87.61	152.00	21.50	<div style="width: 87.61%; background-color: red;"></div>	<div style="width: 12.39%; background-color: green;"></div>	<input type="checkbox"/>
WIN764-381355R	5.2.9.5880	25/09/2014	60.39	31.25	20.50	<div style="width: 60.39%; background-color: red;"></div>	<div style="width: 39.61%; background-color: green;"></div>	<input type="checkbox"/>
WIN764-1000690	5.2.9.5888	25/09/2014	45.96	22.75	26.75	<div style="width: 45.96%; background-color: red;"></div>	<div style="width: 54.04%; background-color: green;"></div>	<input type="checkbox"/>
WIN732-886059R	5.2.9.5888	25/09/2014	46.60	22.25	25.50	<div style="width: 46.60%; background-color: red;"></div>	<div style="width: 53.40%; background-color: green;"></div>	<input type="checkbox"/>
WIN732-1003674	5.2.9.5880	25/09/2014	31.25	20.00	44.00	<div style="width: 31.25%; background-color: red;"></div>	<div style="width: 68.75%; background-color: green;"></div>	<input type="checkbox"/>
WIN764-1000682	5.2.9.5880	25/09/2014	34.85	17.25	32.25	<div style="width: 34.85%; background-color: red;"></div>	<div style="width: 65.15%; background-color: green;"></div>	<input type="checkbox"/>
Shutdown 000687	5.2.9.5888	23/09/2014	35.61	11.75	21.25	<div style="width: 35.61%; background-color: red;"></div>	<div style="width: 64.39%; background-color: green;"></div>	<input type="checkbox"/>
WIN764-1003656	5.2.9.5888	25/09/2014	22.11	11.00	38.75	<div style="width: 22.11%; background-color: red;"></div>	<div style="width: 77.89%; background-color: green;"></div>	<input type="checkbox"/>

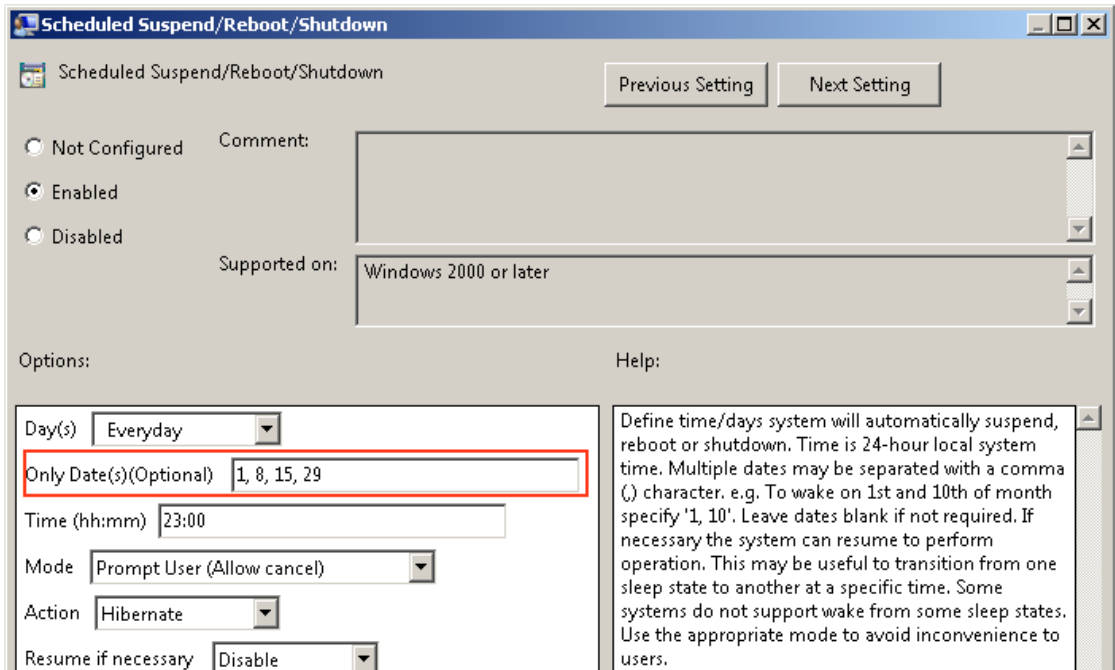
Export Show worst 8 computers from 18/09/2014 until 25/09/2014 Refresh

- The workstation detail report has been redesigned to distinguish periods when the workstation was shutdown, suspended or forced awake by an application. This allows a detailed understanding of the workstation lifecycle to be formed and power management designed accordingly. In addition periods when the workstation is continually shutdown / suspended are now specifically distinguished in the report:

Detailed Activity Report



- PowerMAN scheduled policies (sleep, shutdown, reboot and wake-up) may now optionally be configured to only apply on **specific days of the month**:



12. PowerMAN now supports a **Protected Users** feature. This allows exceptions to the power management policy to be centrally configured on a per-user basis. This complements the Protected Workstation feature that was introduced in release v5.2.8.

13. The PowerMAN client has been improved to support:

- a. Ignore phantom input (e.g. typically optical mice) when no user logged on
- b. Refresh user desktop upon resume

14. The PowerMAN user interface has been extended with the following new optional features:

- Opt-out and keep-awake selection may be discarded on logout or reboot
- Notification of recent power events via the UI tray icon may now be disabled
- Exit menu option may be disabled

These changes are designed to increase power management compliance by avoiding unnecessary user distractions and discourage long-term abuse of the UI features.

15. The PowerMAN reporting interface now provides improved **integration with Data Synergy WakeMyPC**. The UI can now be used to wake both individual workstations and entire groups of workstations:

Inactive %	Inactive Hours	Active Hours	<input type="checkbox"/> No Logon <input type="checkbox"/> User	<input type="checkbox"/> Inactive User <input type="checkbox"/> Other	WakeAll	Delete	Move
99.87	191.75	0.25	<div style="width: 100%; height: 10px; background-color: red;"></div>		Wake	<input type="checkbox"/>	
60.57	63.75	41.50	<div style="width: 100%; height: 10px; background-color: red; position: relative;"><div style="width: 20%; background-color: green; position: absolute; left: -20px;"></div></div>		Wake	<input type="checkbox"/>	
69.29	41.75	18.50	<div style="width: 100%; height: 10px; background-color: red; position: relative;"><div style="width: 10%; background-color: green; position: absolute; left: -10px;"></div></div>		Wake	<input type="checkbox"/>	

16. PowerMAN now includes a separate **PowerINFO tool** for power management debugging. This tool is also available as a free download on the Data Synergy website. The INFO command-line tool now reports additional wake timer information for Windows Vista and later.

17. **Protected programs** may now optionally include a minimum CPU activity threshold of 10-100%. Programs running below the threshold are treated as unprotected. This more granular configuration is intended to reduce cases where power management is unnecessarily disabled due to an idle protected program. This feature is backwards compatible with existing policies.
18. The “Protected Server Service” feature has been expanded to permit granular **protection of just file and/or printer shares**. This is intended to reduce cases where power management is unnecessarily disabled on systems that share resources. This feature is backwards compatible with existing policies.
19. The PowerMAN client now supports both **Spanish** and **Italian language UI**.

About Data Synergy



Data Synergy is a British company based in Sheffield. We have over fifteen years' experience developing and supporting software solutions for enterprise PC deployment and management. We do not resell other vendors' products and do all of our development, sales and support from our UK base.

Our products have evolved through listening to customer ideas and applying our unrivalled knowledge of PC internals. If you have a suggestion for a new product or feature we would love to talk to you.

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