

PowerMAN New Features Guide v5.3

Release 5.3.0.5890 September 2014

Overview

PowerMAN v5.3 includes several new features. This document provides a brief explanation of these features and is intended for System Administrators already familiar with PowerMAN.

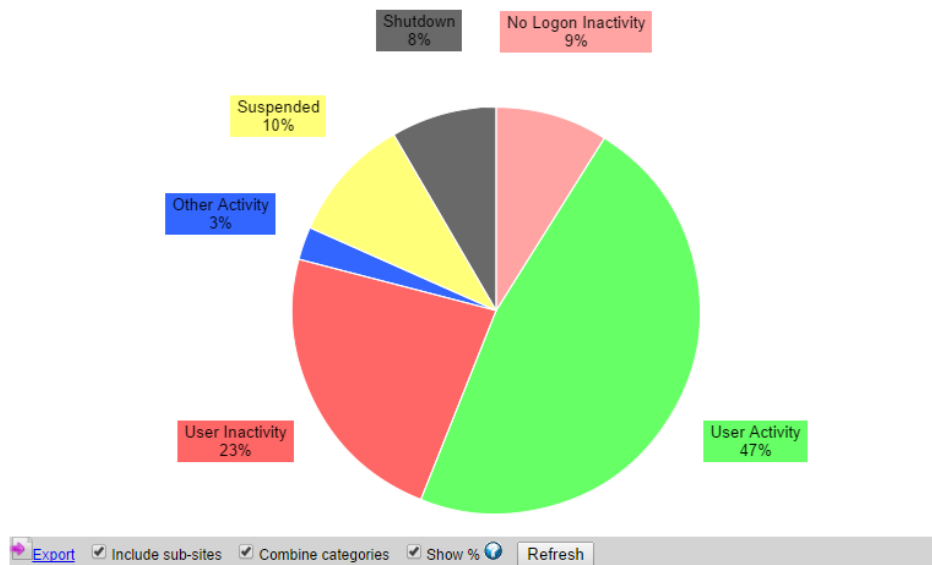
The majority of the new features present have followed feedback supplied by our customers. We remain very grateful to those sites for all the testing and feedback they have provided and hope they will find this release the most functional and reliable yet. In some cases previews of these features may have been present in the most recent builds of PowerMAN v5.2.x. This release represents the formal introduction of these features.

New features in PowerMAN v5.3

1. PowerMAN now supports **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.

2. 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

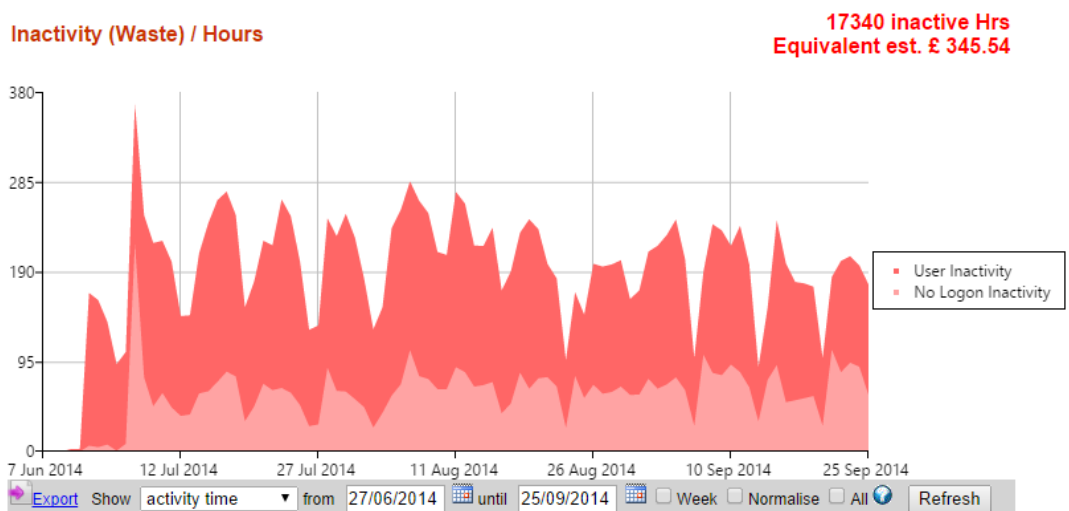
Site	Available	Not Available	Available
24/8 Computer Lab	12/60	<div style="width: 80%; background-color: red;"></div>	<div style="width: 20%; background-color: green;"></div>
Daytime Computer Lab	12/49	<div style="width: 85%; background-color: red;"></div>	<div style="width: 15%; background-color: green;"></div>
East Campus Library	13/25	<div style="width: 60%; background-color: red;"></div>	<div style="width: 40%; 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>

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

Live Computer Status

Computer Name				
PMManagedPC1	PMManagedPC2	PMManagedPC3	PMManagedPC39	PMManagedPC48
PMManagedPC10	PMManagedPC20	PMManagedPC30	PMManagedPC4	PMManagedPC49
PMManagedPC11	PMManagedPC21	PMManagedPC31	PMManagedPC40	PMManagedPC5
PMManagedPC12	PMManagedPC22	PMManagedPC32	PMManagedPC41	PMManagedPC50
PMManagedPC13	PMManagedPC23	PMManagedPC33	PMManagedPC42	PMManagedPC51
PMManagedPC14	PMManagedPC24	PMManagedPC34	PMManagedPC43	PMManagedPC52
PMManagedPC15	PMManagedPC25	PMManagedPC35	PMManagedPC44	PMManagedPC6
PMManagedPC16	PMManagedPC26	PMManagedPC36	PMManagedPC45	PMManagedPC7
PMManagedPC17	PMManagedPC27	PMManagedPC37	PMManagedPC46	PMManagedPC8
PMManagedPC18	PMManagedPC28	PMManagedPC38	PMManagedPC47	PMManagedPC9
PMManagedPC19	PMManagedPC29			

- The PowerMAN reporting engine has been updated to provide **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:



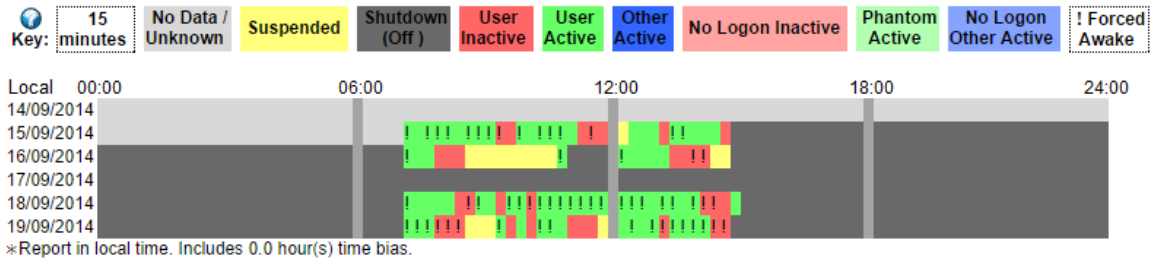
- Similarly, the per-workstation report have been updated to show both current live status (including workstations shutdown or suspended) and summary by activity:

Computer	ClientVer	Last Status	Inactive %	Inactive Hours	Active Hours	No Logon User	Inactive User	Delete	Move
WIN732-1003662	5.2.9.5888	25/09/2014	87.61	152.00	21.50	<div style="width: 87.61%; background-color: #f08080;"></div>	<div style="width: 12.39%; background-color: #90ee90;"></div>	<input type="checkbox"/>	<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: #f08080;"></div>	<div style="width: 39.61%; background-color: #90ee90;"></div>	<input type="checkbox"/>	<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: #f08080;"></div>	<div style="width: 54.04%; background-color: #90ee90;"></div>	<input type="checkbox"/>	<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: #f08080;"></div>	<div style="width: 53.40%; background-color: #90ee90;"></div>	<input type="checkbox"/>	<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: #f08080;"></div>	<div style="width: 68.75%; background-color: #90ee90;"></div>	<input type="checkbox"/>	<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: #f08080;"></div>	<div style="width: 65.15%; background-color: #90ee90;"></div>	<input type="checkbox"/>	<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: #f08080;"></div>	<div style="width: 64.39%; background-color: #90ee90;"></div>	<input type="checkbox"/>	<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: #f08080;"></div>	<div style="width: 77.89%; background-color: #90ee90;"></div>	<input type="checkbox"/>	<input type="checkbox"/>

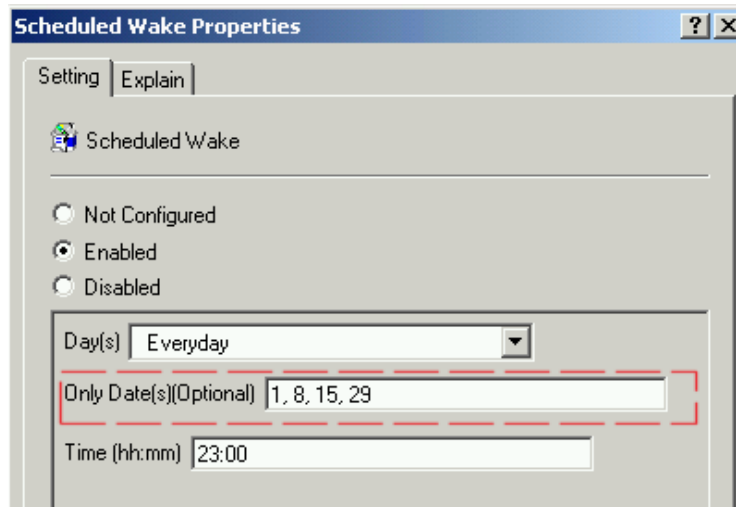
Export Show worst 8 computers from 18/09/2014 until 25/09/2014 Refresh

- 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**:



- PowerMAN may now optionally collect workstation hardware information. This may be useful when auditing an existing estate of workstations. This feature requires PowerMAN Server v5.3 or later and is enabled by default unless the computer identity is hidden. 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

Data Synergy UK / ENGAGE

Site	Data Synergy UK	MAC Address	00-90-F5-A7-EF-EF
Computer	ENGAGE	Client Version	5.2.8.5829
Created	04/06/2013	Windows® Version	6.1.7601 Service Pack 1
Last Status	05/05/2014	Timezone	1.0 hour(s) UTC
Supports States	S345	Hardware buttons	Power Sleep Lid
Supports Wake	S123	Hibernation File (S4)	Present
Disk Standby	Supported	Battery	Battery supported (Portable)
System HDD Free	50,963 MB	CPU Sockets/Cores/Logical	1 / 2 / 4 2261 MHz
Battery	Battery supported (Portable)	System RAM	3892 MB
CPU Sockets/Cores/Logical	1 / 2 / 4 2261 MHz	Fixed / Optical Drives	1 / 0
System RAM	3892 MB	Platform	x64 (64-bit)
Fixed / Optical Drives	1 / 0	CPU Model	Intel(R) Core(TM) i3 CPU M 350 @ 2.27GHz
		System Model / Vendor	W760 / CLEVO Co.
		BIOS Vendor	Phoenix Technologies LTD

9. 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.

10. The PowerMAN client has been improved to support:

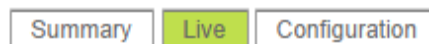
- a. Ignore phantom input (e.g. typically optical mice) when no user logged on
- b. Refresh user desktop upon resume

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

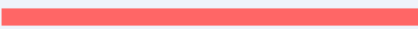

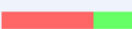
- Opt-out and keep-awake selection may be discarded on logout or reboot
- Notification of recent power events via the UI tray icon may now be disabled
- Exit menu option may be disabled

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

12. The PowerMAN reporting interface has been redesigned to use a new tabbed interface. This feature results in a less cluttered UI:



13. 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			Wake	<input type="checkbox"/>
60.57	63.75	41.50			Wake	<input type="checkbox"/>
69.29	41.75	18.50			Wake	<input type="checkbox"/>

14. The PowerMAN client now supports both Spanish and Italian language UI display.

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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