



## BigFix® Power Management



New Features

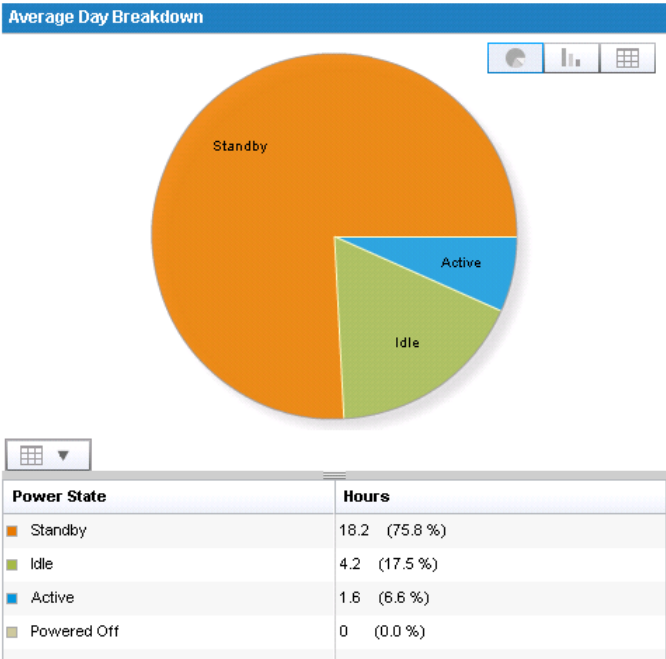
AUGUST 2010

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Power Tracking Improvements

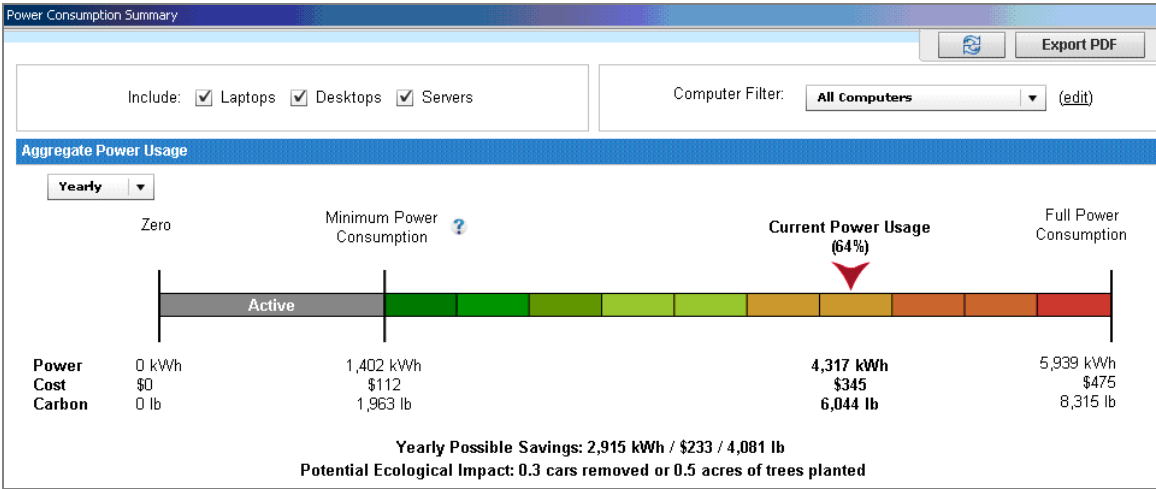
Customers can track actual time spent in idle, active, off, and standby/hibernate states for each computer in their deployment. This granular power state data enables customers to design more effective, customized power policies that are based on actual user behavior.

This granular data also increases the accuracy of all power consumption and savings calculations. In some cases, even the number of external monitors attached to a computer is incorporated into the calculations, to ensure accurate power consumption figures.



Reporting

New reports leverage the additional power tracking data now available, helping customers to make more informed decisions regarding their power management policies.



Power Management Daily Activity State Breakdown

This report displays the time an average computer in the deployment spends in different power states on a specific day. This is useful for informing how you might make changes to your power policies. For instance, if many computers have high "idle" times, then setting a Standby power policy will likely save significant power. It can also be set to compare the improvements between two different days.

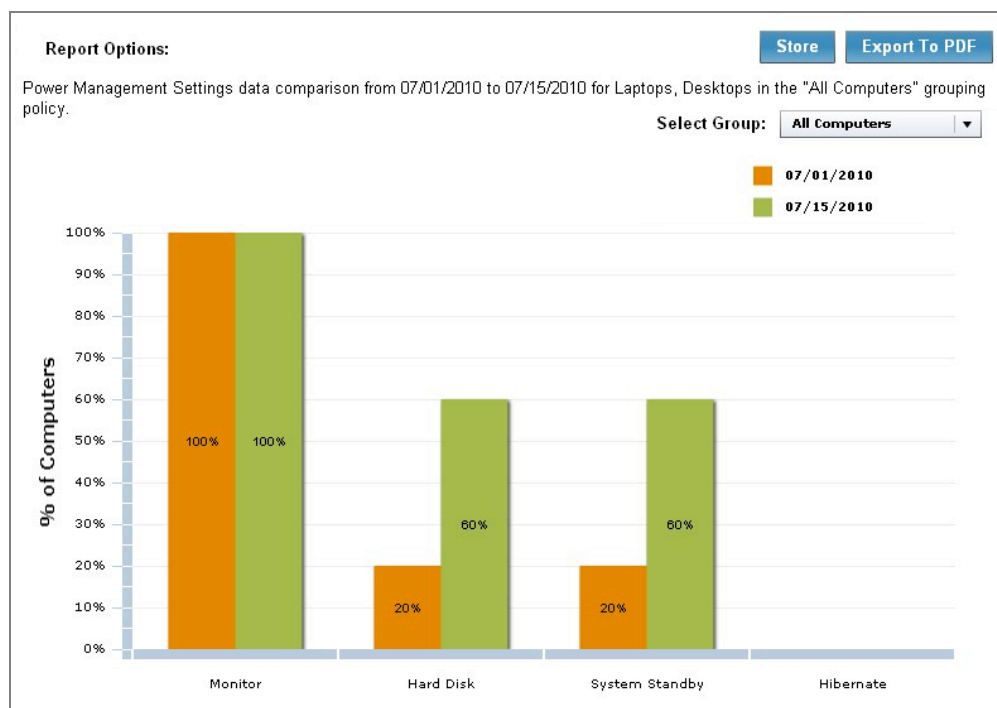
Report Options: Store Export To PDF

Power Management Daily Average State Breakdown data on 06/15/2010 for Laptops, Desktops in the "Location By Subnet" grouping policy.

Group	Total Computers	Active	Idle	Standby	Powered Off	PM Efficiency
Test Subnet						
06/15/2010	2	1.74	21.10	0.55	0.60	2%

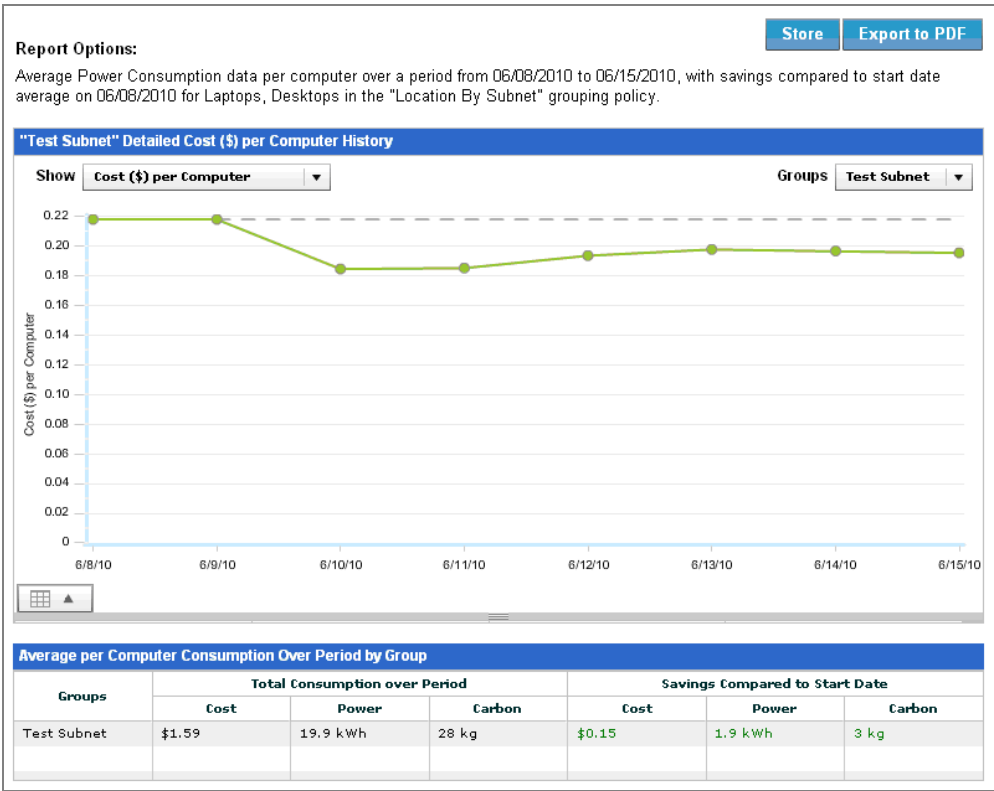
## Power Management Settings

The Power Management Settings report displays the percentage of computers with power management settings enabled on a specific day. It can also be used to compare the improvements between two different dates.



Power Consumption Over Time

Power cost, carbon, and consumption can be tracked over time. Users can specify a baseline date against which savings calculations are made.



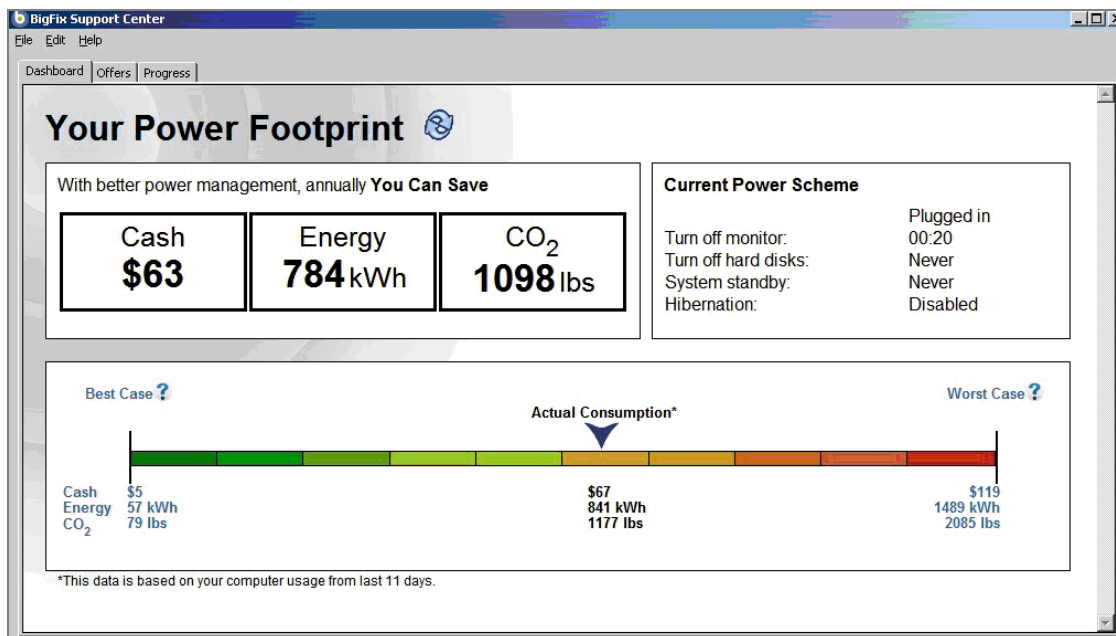
Model Power Savings

The "Model Power Savings" report displays the savings your organization would realize if certain power policies were implemented.

Power Profile	Potential Standby Settings		Potential Total Savings			Potential Average Savings Per Computer		
	System	Monitor	Power	Cost	Carbon	Power	Cost	Carbon
Minimal	Never	60 Min	-44 kWh	\$-4	-62 lb	-22 kWh	\$-2	-31 lb
Moderate	60 Min	30 Min	+41 kWh	+\$3	+57 lb	+21 kWh	+\$2	+29 lb
Aggressive	30 Min	10 Min	+51 kWh	+\$4	+72 lb	+26 kWh	+\$2	+36 lb

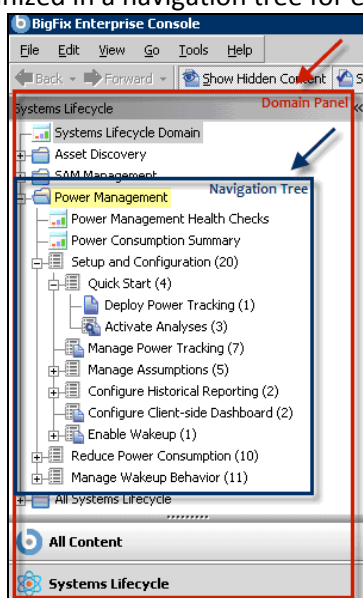
## End-User Dashboard

To promote end-user engagement and buy-in to power management efforts, an out-of-the-box dashboard is available. If desired, administrators can enable the dashboard and make it available to both Windows and Mac users throughout the organization.



## Usability Enhancements & Reduced Complexity

The new release of Power Management takes advantage of the user interface enhancements available in version 8.0 of the BigFix Platform, so dashboards and wizards have been updated to reflect a new look-and-feel, and all content is organized in a navigation tree for easy access.



Health Checks Dashboard

A Health Checks Dashboard is included to assist with on-going product maintenance and administration. The dashboard includes content to both identity and resolve issues.

Power Management Health Checks

The Power Management Health Checks Dashboard provides troubleshooting and optimization checks for your Power Management Deployment. You can drill down into individual health checks to see their results and a resolution path for failing checks.

Setup		
Name	Status	Severity
Power Tracking Enabled	Fail	Critical
Power Tracking Utility at Latest Version	Fail	Critical
Power Tracking Utility Running	Pass	Critical
Power Tracking Utility Tracks Accurate Data	Pass	High
Power Analyses Activated	Fail	High
PC Insomnia	Pass	Medium
Clients Set to use Max Power State	Pass	Low

Historical Power Tracking		
Name	Status	Severity
Store Power Data Utility is Running	Pass	Critical
Historical Tracking Groups	Pass	High

Wake-on-LAN		
Name	Status	Severity
Wake-on-LAN Medic Running	Pass	Critical
Wake-on-LAN Forwarders Deployed	Fail	High
Last Man Standing Deployed	Fail	Medium

Managing Assumptions

Cost, carbon, and hardware assumptions can now be managed more easily through a “Manage Assumptions” wizard.

General Assumptions

Hardware Assumptions

Define the amount of power an endpoint and its monitor consumes in when it is active or in a power managed standby state.

Hardware Assumption Tasks

+ New Assumption

Search

Name	System Power Draw		Monitor Power Draw		Applicable To	Computers	
	Active	Standby	Active	Standby			
<a href="#">Server Default</a>	150 Watts	7 Watts	45 Watts	1 Watts	Servers	0	<div><div></div><div></div></div>
<a href="#">Workstation Default</a>	70 Watts	3 Watts	45 Watts	1 Watts	Desktops	0	<div><div></div><div></div></div>
<a href="#">Laptop Default</a>	25 Watts	2 Watts	5 Watts	0.5 Watts	Laptops	2	<div><div></div><div></div></div>
<a href="#">Custom</a>	58 Watts	28 Watts	80 Watts	6 Watts	All Hardware Types	0	<div><div></div><div></div></div>



## Scheduled Wake-on-LAN (WoL)

The Scheduled Wake-on-LAN wizard has been redesigned to make management, scheduling, and targeting of wake-ups much easier. Computers can be targeted by group, retrieved property, or computer name. Additionally, integration with Intel's vPro technology enables customers to use vPro WoL along with BigFix WoL.

Create New WoL Policy

Create Targeting Rule:

☒ All computers with the values selected below
   
☐ All computers within the selected computer group
   
☐ The computers specified in the list of names below (separated by spaces or newlines)

---

Include computers with the following property:
 

OS

▼

equals

▼

WinXp

vPro Settings:







☒ Use Intel vPro technology along with BigFix WoL to wake these computers.

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Create Policy

Cancel

Scheduled WoL was previously action-based and used a separate utility to wake machines. In the new version, Scheduled WoL and On-Demand WoL (or right-click WoL) now use the same advanced platform mechanism to wake machines, so Scheduled WoL no longer requires an action to be run.

Scheduled Wake-ups			
<div> <div>New Scheduled Wake-up</div> <div>Search</div> </div>			
Policy Name	Schedule	Targeting Rule	
Test	At 01:28:51 AM on Fri, Feb 12 2010	All computers in computer group "Naveed's Machines"	  
Test2	At 10:01:27 PM every 1 day(s), starting on Mon, Feb 15 2010	All computers in computer group "Naveed's Machines"	  

## Historical Reporting Groups

Administrators can now create historical reporting groups using a simple wizard. They no longer have to create separate operators to track different sets of computer groups for reporting.

Define Policy

Computers that report the same property result will be grouped together in a historical reporting group. You can manually select specific results to group, or automatically group all results.

Select a property to aggregate on:

☒ Automatically Group All Result  
☐ Manually Select Groups

Select a Property...

Select a Property...  
 Computer Name  
 OS  
 CPU  
 Last Report Time  
 Locked  
 Lock Expiration  
 BES Relay Selection Method  
 Relay  
 Distance to BES Relay

Select All Deselect All

Create Grouping Policy Cancel

## Last Man Standing

A wizard has been created to automate the process of selecting and designating Last Man Standing computers. This wizard is particularly helpful in organizations that have hundreds to thousands of subnets. Once Last Man Standing computers have been designated, the new Wake-on-LAN Medic will monitor these computers and automatically wake them back up if they are powered off.

Designate/Remove Last Man Standing

BigFix has selected the best LMS candidates based on the selection criteria, and will remove LMS's that do not meet this criteria. Select individual subnets to customize LMS selection and removal.

Subnet	Current		LMS Action			Meets Criteria
	Computers	LMS Total	LMSs Added	LMSs Removed	Final LMS Total	
192.168.104.0/22	6	0	2	0	2	

Computers in Selected Subnet

Computer	Daily On-Time	Type	Last Reported	Meets Criteria	LMS Quality	LMS Action
1122-VMN7X86	24:00:00	Workstation	9 minutes ago		Excellent	Designate LMS*
1119-VMN7X64	23:00:00	Workstation	20 hours ago		Average	Designate LMS*
PARAKEET	22:00:00	Workstation	3 minutes ago		Average	Nothing
PARROT	22:00:00	Laptop	9 minutes ago		Poor	Nothing
mac_blois	9:00:00	Workstation	3 days ago		Poor	Nothing
VMN7LAPTOP	N/A	Laptop	6 days ago		Poor	Nothing

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Deploy LMS Action

Cancel

\* denotes that the action will be run on the endpoint.