



## Special notice

Before using this information and the product it supports, read the information in [Notices \(on page xxviii\)](#).

## Edition notice

This edition applies to BigFix version 11 and to all subsequent releases and modifications until otherwise indicated in new editions.

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# Chapter 1. Overview

The Power Management Setup Guide describes the initial setup, configuration, installation, and activation of the BigFix Power Management components. It is intended for BigFix administrators and operators, and evaluators of the product.

To learn about how to use and optimize the Power Management product in your environment, see the *Power Management User's Guide*.

Power Management supports many features, including:

- Managing computer power settings and policies
- Tracking and reporting computer power usage, including measuring power usage, potential power savings, and more
- Tracking of computer states to create power policies that maximize power savings
- Advanced Wake-on-LAN capabilities, including Last Man Standing, Wake-on-LAN 'Medic', scheduled wake-up times, and more
- Support for PC Insomnia detection and prevention
- A client-side dashboard where you can view power usage

## New Features

BigFix Power Management has extended support to include the following Microsoft Windows and Mac OS X versions.

- Windows 8.1
- Windows 10
- Windows Server 2016
- OS X 10.9
- OS X 10.10
- OS X 10.11
- macOS 10.12
- macOS 10.13
- macOS 10.14
- macOS 10.15

## System requirements

BigFix Power Management supports the following Windows and Mac versions.

### Windows

- Windows 2008
- Windows 2008 R2
- Windows Server 2012 R2
- Windows Server 2016

- Windows Server 2019
- Windows Server 2022
- Windows 7
- Windows 8
- Windows 8.1
- Windows 10
- Windows 11

#### **Mac OS**

- Mac OS 10.4
- Mac OS 10.5
- Mac OS 10.6
- Mac OS 10.7
- Mac OS 10.8
- OS X 10.9
- OS X 10.10
- OS X 10.11
- macOS 10.12
- macOS 10.13
- macOS 10.14
- macOS 10.15

\*Microsoft XP, Windows Vista, and Windows 2003 have reached end of life (EOL). Microsoft products have a lifecycle that ends when the product is no longer supported. When a product reaches EOL or its end of support date, Microsoft no longer supports and releases updates for the product, including automatic fixes, updates, and online technical assistance.

BigFix, in turn, no longer provides security and non-security content and support for products that reached its end of support date. However, users of existing Windows content can use the standard HCL support channels to raise concerns and for troubleshooting support.

Microsoft provides extended support for some products that have reached their end of life. If you signed for extended support with Microsoft, it is suggested that you contact your HCL account representative. To see information about product offerings, see <https://www.hcltech.com/software#products>.

## Subscribe to the site

You can subscribe and gather the Power Management site from the **License Overview** dashboard in the **BigFix Management** domain.

Sites are collections of Fixlet messages that are created internally by you, by HCL, or by other vendors. You can add a new site subscription by acquiring a Masthead file from a vendor or from HCL or by using the Licensing Dashboard. For more information about subscribing to Fixlet sites, see the BigFix Installation Guide.

Sites that you license from BigFix appear automatically in the **License Overview** dashboard. Search for the BES Power Management site and click **Enable**. If you do not see the site, click the **Check for license update** button.

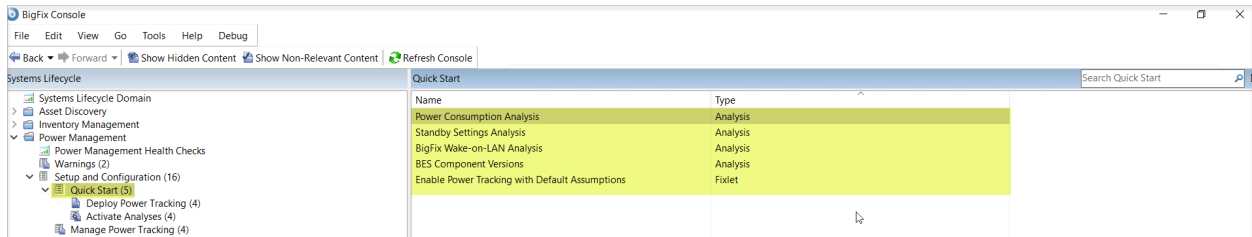
By default, no clients are subscribed to the content of a newly enabled site. To subscribe clients to the site, follow the linked site name, which is BES Power Management in this case. You can define your computer subscription rules in the **Computer Subscriptions** tab of the site document. Save any changes that you make.

# Chapter 2. Setup and configuration

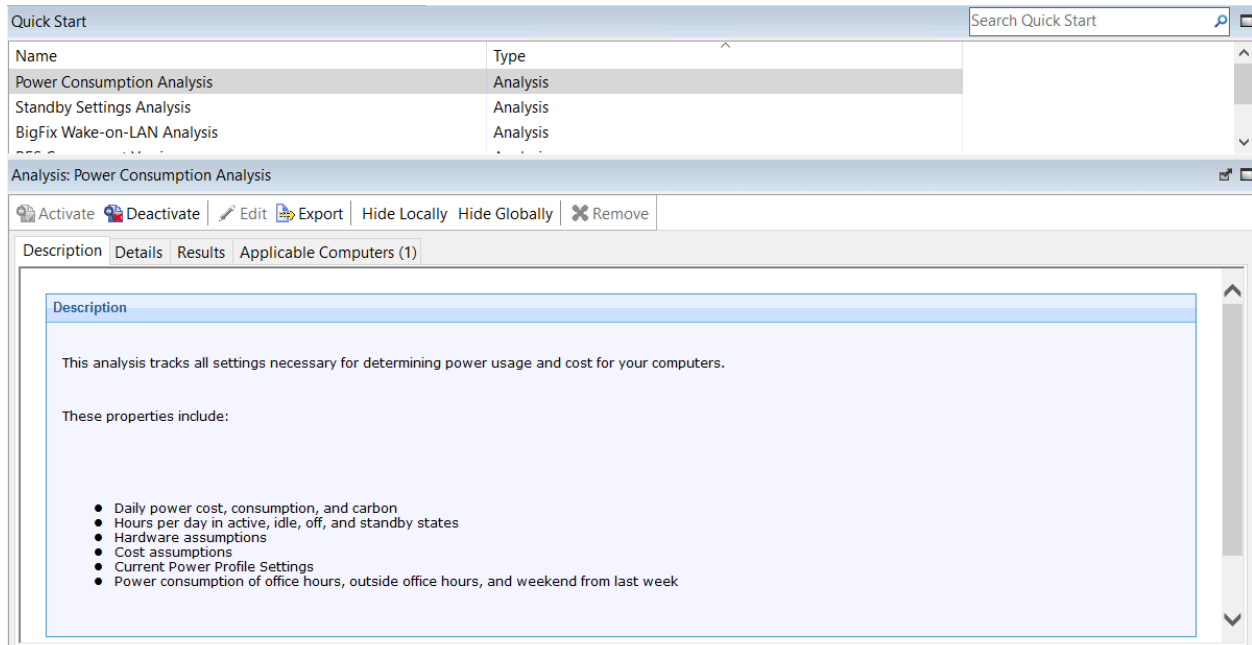
## Quick Start

After you subscribe to the new Power Management Fixlet site, you must enable and configure Power Management with some basic configuration steps in the BigFix console.

The *Quick Start* subnode under *Setup and Configuration* includes several analyses and Fixlets for setting Wake-on-LAN, Power Consumption, Standby, and Power Tracking parameters in your deployment.



Use the List Panel on the top right of your console to access each analysis and Fixlet. Click the applicable item, and click the link at the bottom of the work panel to deploy the action.



## Manage Power Tracking



Name	Source Sev...	Site	Applicable ...	Open Actio...	Category	Download ...	Source	Source ID
Reset Power Tracking	N/A	Power Mana...	0 / 0	0	Power Trac...	<no downl...	BigFix	<Unspeci
Update Power Tracking Utility	Critical	Power Mana...	0 / 0	0	Power Trac...	896 KB	BigFix	<Unspeci
<b>Enable Power Tracking with Default Assumptions</b>	N/A	Power Mana...	0 / 0	0	Power Trac...	899 KB	BigFix	<Unspeci
Disable Power Tracking	N/A	Power Mana...	0 / 0	0	Power Trac...	<no downl...	BigFix	<Unspeci
Enable Integrated Power Tracking Inspectors	Low	Power Mana...	0 / 0	0	Power Trac...	<no downl...	BigFix	<Unspeci
Configure Power Tracking Default Settings	N/A	Power Mana...	0 / 0	0	Power Trac...	<no downl...	BigFix	<Unspeci
Power Tracking Utility is not Running	Critical	Power Mana...	0 / 0	0	Warnings	<no downl...	BigFix	<Unspeci
Power Tracking Results Show an "Invalid" State >20% of the Time	Critical	Power Mana...	0 / 0	0	Warnings	<no downl...	BigFix	<Unspeci

**Task: Enable Power Tracking with Default Assumptions**

**Description**

Use this Fixlet message to enable power tracking on selected computers, using the default assumptions.

Computers with power tracking enabled will track the amount of time spent in different power states. This data is used to perform power consumption calculations and reporting.

This Task will also designate this client as a Wake-on-LAN forwarder that can forward the "Wake-on-LAN" packet to computers within their respective subnets. If a subnet does not have an active Wake-on-LAN packet forwarder, BigFix will not be able to awaken machines in that subnet using On-Demand Wake-on-LAN.

**On Windows Clients version 8.0+:** This Fixlet message will enable the client's native power tracking inspectors.

**On Windows Clients version 7.2:** This Fixlet message will deploy the Power Tracking Utility and the Client Logging Service.

**On Mac Clients version 8.1+:** This Fixlet message will enable the client's native power tracking inspectors.

**On Mac Clients less than 8.1:** This Fixlet message will enable a native client inspector.

**Note:** This Fixlet will also install BES Logging Service required by the Power Tracking Utility.

**File Size:** 898K

*Manage Power Tracking*, which is located in the *Setup and Configuration* node includes tasks for configuring, setting, enabling, and updating your Power Tracking capabilities. These optional tasks are not required for initial setup and can be used during the configuration process.

## Manage Assumptions


Use the Manage Assumptions dashboard for customizing your deployment through assumptions.

BigFix calculates power consumption by measuring the amount of time a computer spends in Active, Idle, Standby, and Off power states, and factoring in 'assumptions' for hardware power draw and endpoint cost per kWh. Power Management uses default values based on experience and research with typical computers manufactured in the last few years and average CO2 and electricity costs. You can choose the default values or you can override them with known values specific to your computers and costs.

The Manage Assumptions dashboard can be found in the navigation tree under Setup and Configuration/Manage Assumptions/Manage Custom Assumptions Wizard.

### Systems Lifecycle

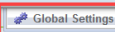
- Systems Lifecycle Domain
- > Asset Discovery
- > Inventory Management
- ▼ Power Management
  - Power Management Health Checks
  - Warnings (2)
  - ▼ Setup and Configuration (16)
    - > Quick Start (5)
    - Manage Power Tracking (4)
    - ▼ Manage Assumptions (2)
      - Manage Custom Assumptions Wizard
      - > Assumption Tasks (1)
    - > Configure Historical Reporting (3)
    - Configure Client-side Dashboard (1)
    - > Configure Wakeups (2)
    - > Reduce Power Consumption (8)
    - > Manage Wakeup Behavior (7)
  - > All Systems Lifecycle

 **Note:** Managing Assumptions is an optional feature in BigFix Power Management. If you do not set custom assumptions, default assumptions are used.

## Global Settings

To access the Global Settings dialog, click the icon located in the top right corner of the Manage Custom Assumptions Tasks Wizard.

Manage Custom Assumptions Wizard



BigFix determines power consumption and cost by measuring the amount of time a computer spends in Active, Standby, and Off power states and factoring in assumptions for hardware power draw and costs per kWh for the endpoint. This wizard creates and manages fixlets which can be used to set these assumptions on endpoints.

**General Assumptions**    **Hardware Assumptions**    **office Hours Assumptions**

Define the Cost and Carbon emission per kWh consumed by the endpoint.

General Assumption Tasks

[+ New Assumption](#)    [Edit](#)    [Delete](#)   

Name	Cost per kWh	Carbon Emissions per kWh	Computers
<a href="#">Default</a>	\$0.08	1.4 lb	1
<a href="#">new</a>	\$0.08	1.4 lb	0

In this dialog, you can set international currency and weight units in your deployment.

Global Settings

Define the units in which all cost and carbon data is displayed for all Power Management reports across all users. This will also generate a Fixlet to update the Client Dashboard with selected units.

Currency Unit:

Weight Unit:

---

Global Settings

Define the units in which all cost and carbon data is displayed for all Power Management reports across all users. This will also generate a Fixlet to update the Client Dashboard with selected units.

Currency Unit:

Weight Unit:

- \$
- €
- £
- ¥
- ₩
- Custom

---

After making a selection from the drop-down lists, click **Update Settings**.

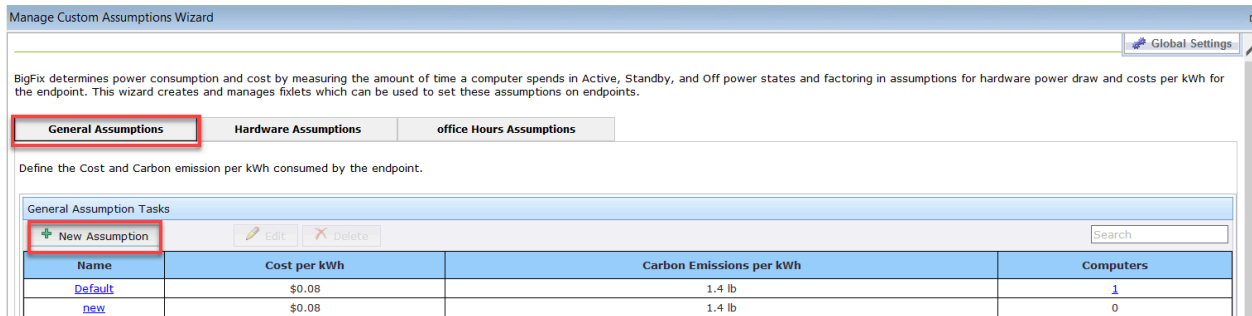
## General Assumptions

Define the cost and carbon emissions per kWh that are consumed by your endpoints on the *General Assumptions* tab in *Manage Custom Assumptions Wizard*.

Click the tab in the wizard to display the following information:

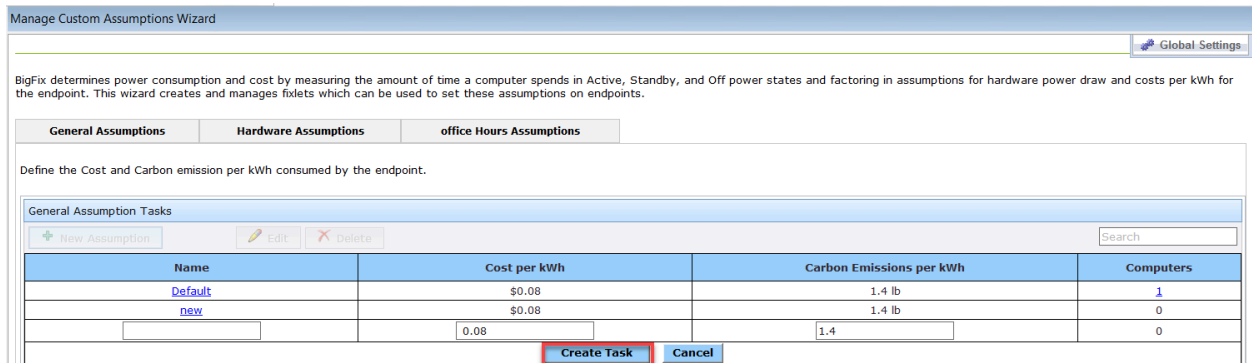
- Name
- Cost per kWh
- Carbon Emissions per kWh
- Computers

If you do not have General Assumptions set, then you are using default values. To override the default values and use values specific to your deployment, click *New Assumption*.

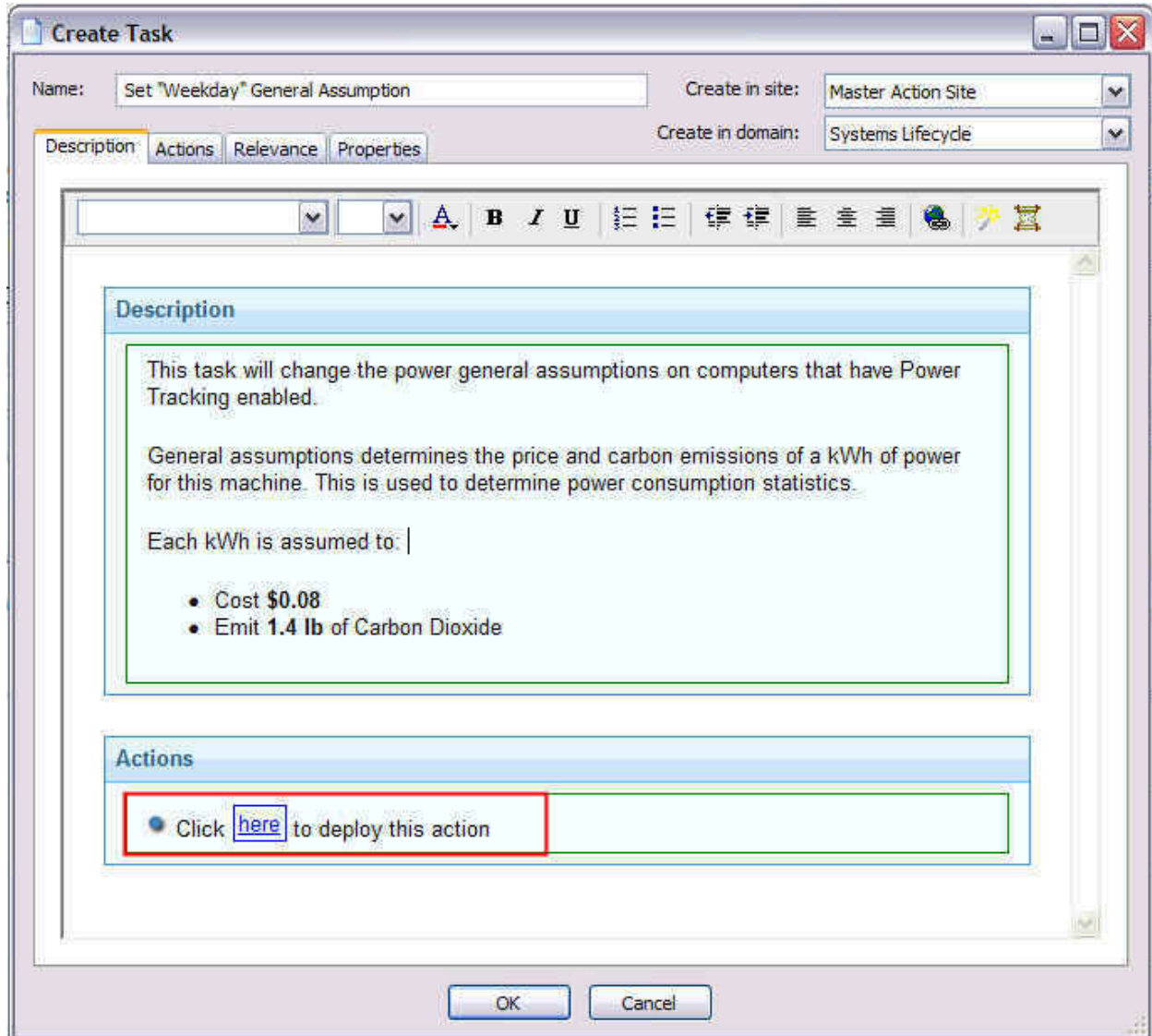


Your electricity provider can provide your cost per kWh of electricity and the amount of carbon released to create each kWh. If you have multiple providers, you can choose to average the values and assign them to all computers. Alternatively, you can create multiple assumptions and assign each assumption to the appropriate computers based on location. The latter approach is more accurate, but it is more time consuming and difficult to maintain over time.

Enter a name for the assumption, cost per kWh, and carbon emissions per kWh. Click **Create Task**.



On the work panel, click *OK* and enter your Private Key Password. When the task has gathered the required information, the task window opens as shown in the following image. Click in the Actions box to deploy the action.



## Office Hours Assumptions

You can set how your organization defines work hours and workdays in the *Office Hours Assumptions* tab.

To define office hours assumptions settings, go to the **Systems Lifecycle Domain**. From the navigation tree, click **Power Management > Manage Assumptions > Manage Custom Assumptions Tasks**.

Click the **Office Hours Assumptions** tab. You can create, edit, and delete assumptions from this tab.

Manage Custom Assumptions Wizard

Global Settings

BigFix determines power consumption and cost by measuring the amount of time a computer spends in Active, Standby, and Off power states and factoring in assumptions for hardware power draw and costs per kWh for the endpoint. This wizard creates and manages fixlets which can be used to set these assumptions on endpoints.

General Assumptions    Hardware Assumptions    **Office Hours Assumptions**

Define the Office hours and Workdays of your organization. By default, the Office Hours are set from 9:00 a.m. to 6:00 p.m., and Workdays are set from Monday to Friday. If your organization has different work hours and work days, create an assumption to set office hours and workdays accordingly. The Outside Office Hours column automatically captures all the hours during the workdays and all the days of the week other than what you have set.

Office Assumption Tasks

+ New Assumption    Edit    Delete    Search

Name	Office Hours		Workdays	Outside Office Hours		Computers
	Start Time	End Time		Workdays	Weekend	
Default	9:00 a.m.	6:00 p.m.	Mon, Tue, Wed, Thu, Fri	12:00 a.m. to 9:00 a.m. AND 6:00 p.m. to 12:00 a.m.	Sat, Sun	2

The following columns are displayed in the *Office Hours Assumptions* tab:

- Name
- Office Hours
  - Start Time
  - End Time
- Workdays
- Outside Office Hours
  - Workdays
  - Weekends
- Computers

By default, in the **Office Hours** column, the *Start Time* is set to 09:00 AM and the *End Time* is set to 06:00 PM. The workdays are also set, by default, from Monday to Friday.

Manage Custom Assumptions Wizard

Global Settings

BigFix determines power consumption and cost by measuring the amount of time a computer spends in Active, Standby, and Off power states and factoring in assumptions for hardware power draw and costs per kWh for the endpoint. This wizard creates and manages fixlets which can be used to set these assumptions on endpoints.

General Assumptions    Hardware Assumptions    **Office Hours Assumptions**

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Office Assumption Tasks

+ New Assumption    Edit    Delete    Search

Name	Office Hours		Workdays	Outside Office Hours		Computers
	Start Time	End Time		Workdays	Weekend	
Default	9:00 a.m.	6:00 p.m.	Mon, Tue, Wed, Thu, Fri	12:00 a.m. to 9:00 a.m. AND 6:00 p.m. to 12:00 a.m.	Sat, Sun	2



**Note:** If power tracking is deployed before setting new office hours assumptions, the default start time, end time, and work days settings are used.

## Creating Office Hours Assumptions

To create an office hour assumption, click **New Assumption**.

Manage Custom Assumptions Wizard Global Settings

BigFix determines power consumption and cost by measuring the amount of time a computer spends in Active, Standby, and Off power states and factoring in assumptions for hardware power draw and costs per kWh for the endpoint. This wizard creates and manages fixlets which can be used to set these assumptions on endpoints.

General Assumptions   Hardware Assumptions   **Office Hours Assumptions**

Define the Office hours and Workdays of your organization. By default, the Office Hours are set from 9:00 a.m. to 6:00 p.m., and Workdays are set from Monday to Friday. If your organization has different work hours and work days, create an assumption to set office hours and workdays accordingly. The Outside Office Hours column automatically captures all the hours during the workdays and all the days of the week other than what you have set.

Office Assumption Tasks

New Assumption   Edit   Delete  

Name	Office Hours		Workdays	Outside Office Hours		Computers
	Start Time	End Time		Workdays	Weekend	
Default	9:00 a.m.	6:00 p.m.	Mon, Tue, Wed, Thu, Fri	12:00 a.m. to 9:00 a.m. AND 6:00 p.m. to 12:00 a.m.	Sat, Sun	2

A row is added. Enter the name of the new assumption in the **Name** field. Define the office hours by selecting the **Start Time** and **End Time**.

Under the **Workdays** column, click the **All days** drop-down menu and click to select the applicable days.

Manage Custom Assumptions Wizard Global Settings

BigFix determines power consumption and cost by measuring the amount of time a computer spends in Active, Standby, and Off power states and factoring in assumptions for hardware power draw and costs per kWh for the endpoint. This wizard creates and manages fixlets which can be used to set these assumptions on endpoints.

General Assumptions   Hardware Assumptions   **Office Hours Assumptions**

Define the Office hours and Workdays of your organization. By default, the Office Hours are set from 9:00 a.m. to 6:00 p.m., and Workdays are set from Monday to Friday. If your organization has different work hours and work days, create an assumption to set office hours and workdays accordingly. The Outside Office Hours column automatically captures all the hours during the workdays and all the days of the week other than what you have set.

Office Assumption Tasks

New Assumption   Edit   Delete  

Name	Office Hours		Workdays	Outside Office Hours		Computers
	Start Time	End Time		Workdays	Weekend	
Default	9:00 a.m.	6:00 p.m.	Mon, Tue, Wed, Thu, Fri	12:00 a.m. to 9:00 a.m. AND 6:00 p.m. to 12:00 a.m.	Sat, Sun	2
Shift1	09:00:00 AM	06:00:00 PM	Mon, Tue, Wed, Thu	12:00 a.m. to 09:00 a.m. AND 06:00 p.m. to 12:00 a.m.	Sat, Sun	0

Create Task   Cancel

Click **Create Task**.

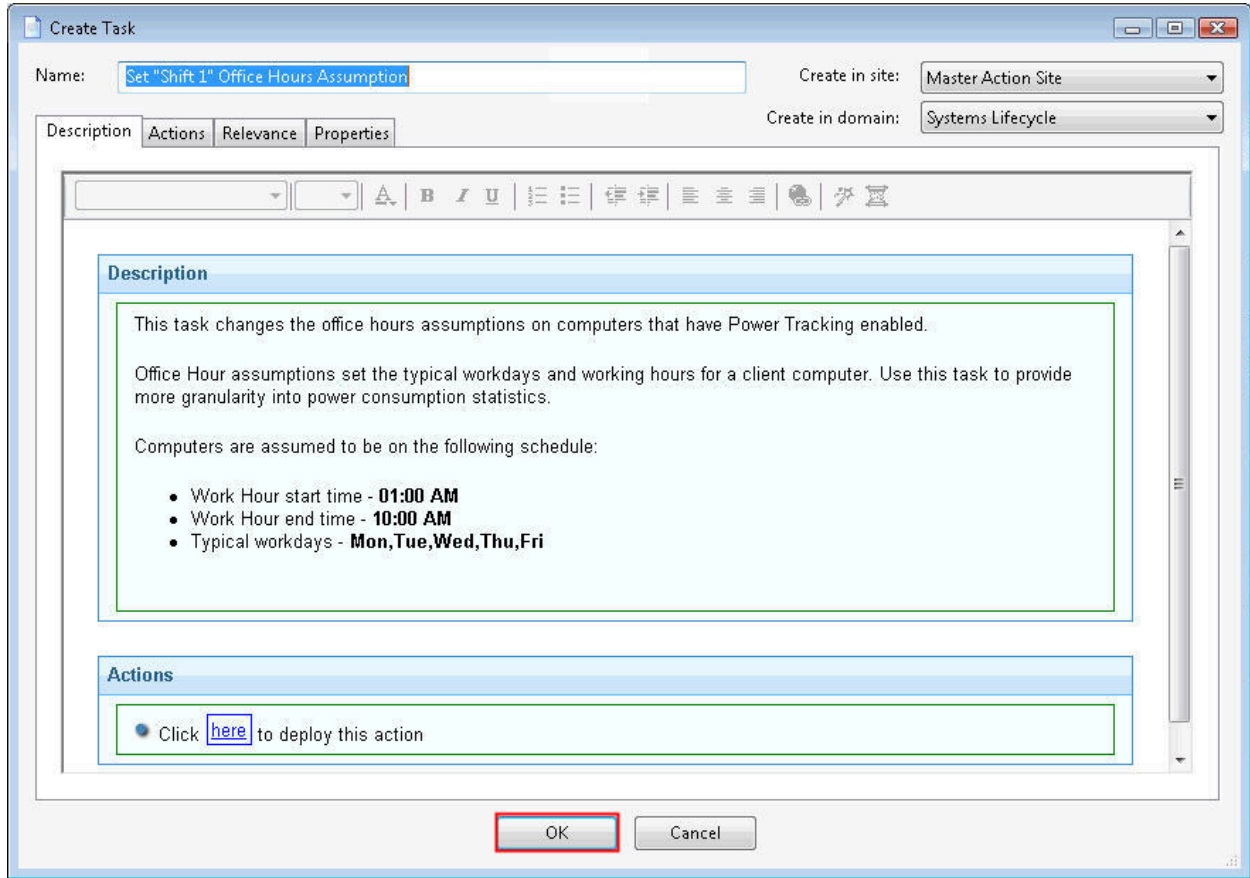
Office Assumption Tasks

New Assumption   Edit   Delete  

Name	Office Hours		Workdays	Outside Office Hours		Computers
	Start Time	End Time		Workdays	Weekend	
Default	9:00 a.m.	6:00 p.m.	Mon, Tue, Wed, Thu, Fri	12:00 a.m. to 9:00 a.m. AND 6:00 p.m. to 12:00 a.m.	Sat, Sun	2
Shift1	09:00:00 AM	06:00:00 PM	Mon, Tue, Wed, Thu	12:00 a.m. to 09:00 a.m. AND 06:00 p.m. to 12:00 a.m.	Sat, Sun	0

Create Task   Cancel

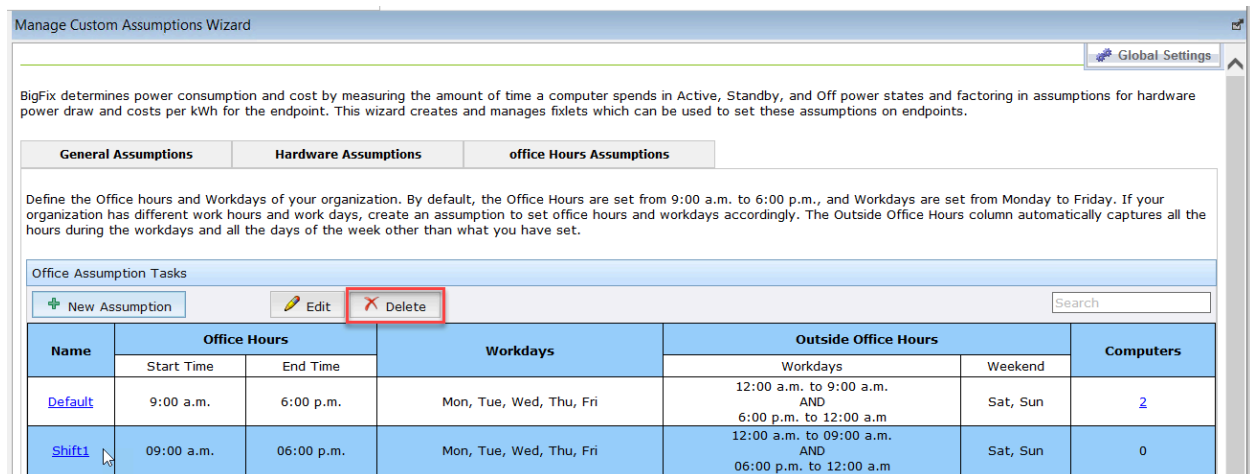
The **Create Task** window opens. Click **OK** to create the task.



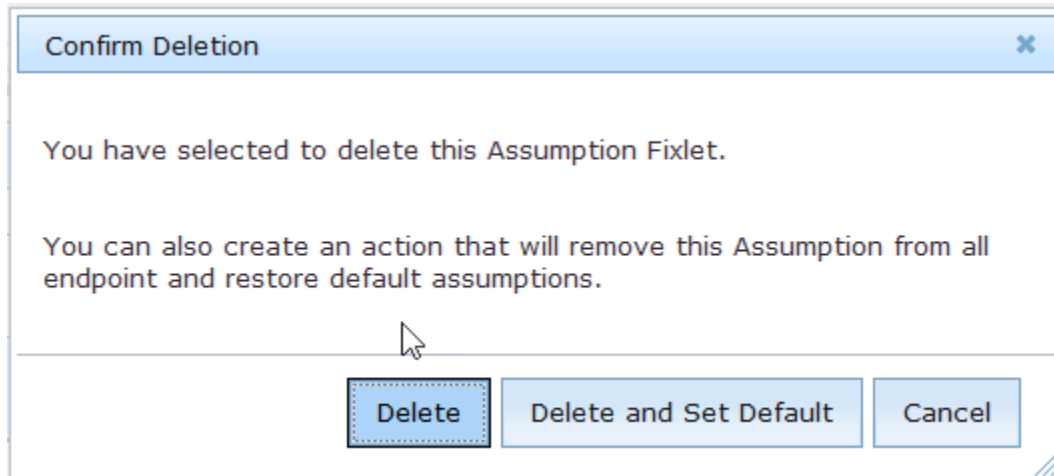
Click in the **Actions** box of the task window to deploy the action.

## Deleting Office Hours Assumptions

To delete existing office hours assumptions, go to the **Office Hours Assumptions** tab. Select the assumption and click the **Delete**.







Click **Delete** to confirm deletion of the Assumption Fixlet. The Confirm Remove popup appears. Click **OK** to confirm the removal of the task. The assumption task is now deleted.

## Hardware Assumptions

Define endpoint power consumption in Active or Standby mode in the *Hardware Assumptions* tab.

The following fields are displayed:

- Name
- System Power Draw - Active or Standby
- Monitor Power Draw - Active or Standby
- Applicability to hardware such as servers or desktops
- Computers

If you do not have Hardware Assumptions set, you are using default values. To override default values with values specific to your deployment, click *New Assumption*.

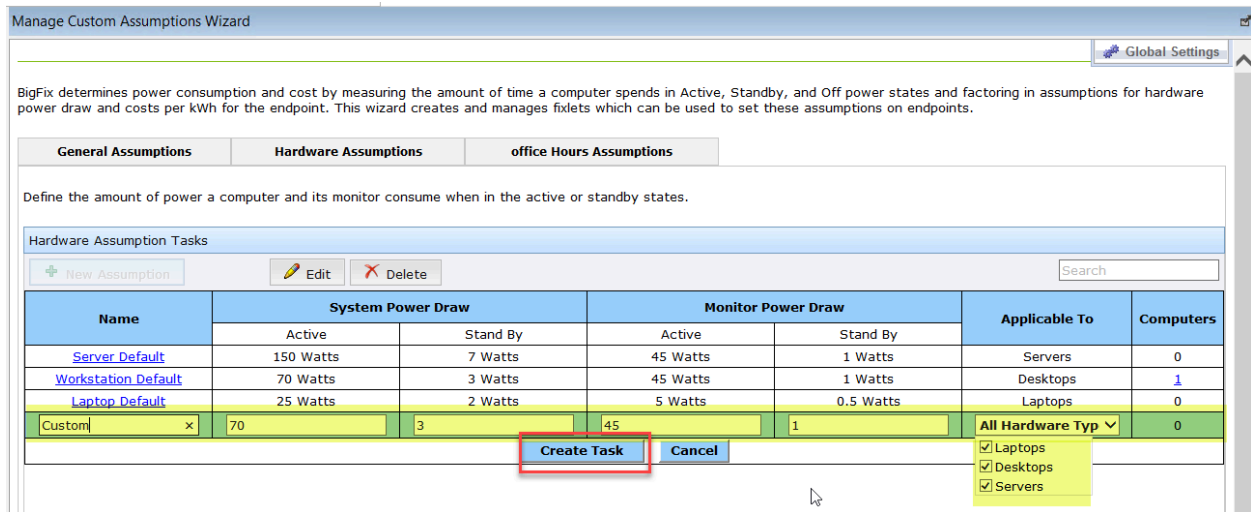
The screenshot shows the "Manage Custom Assumptions Wizard" interface. The "Hardware Assumptions" tab is selected and highlighted with a red box. Below the tab, there is a description: "BigFix determines power consumption and cost by measuring the amount of time a computer spends in Active, Standby, and Off power states and factoring in assumptions for hardware power draw and costs per kWh for the endpoint. This wizard creates and manages fixlets which can be used to set these assumptions on endpoints." Below this, there are three tabs: "General Assumptions", "Hardware Assumptions" (selected), and "office Hours Assumptions". A red circle 'a' is next to the "office Hours Assumptions" tab. Below the tabs, there is a text prompt: "Define the amount of power a computer and its monitor consume when in the active or standby states." Underneath, there is a section titled "Hardware Assumption Tasks" with a toolbar containing "New Assumption" (highlighted with a red box and a red circle 'b'), "Edit", and "Delete" buttons, along with a search field. Below the toolbar is a table with the following data:

Name	System Power Draw		Monitor Power Draw		Applicable To	Computers
	Active	Stand By	Active	Stand By		
<a href="#">Server Default</a>	150 Watts	7 Watts	45 Watts	1 Watts	Servers	0
<a href="#">Workstation Default</a>	70 Watts	3 Watts	45 Watts	1 Watts	Desktops	1
<a href="#">Laptop Default</a>	25 Watts	2 Watts	5 Watts	0.5 Watts	Laptops	0

To effectively set assumptions, you must discover the amount of electricity used by your computers. You can determine this amount by plugging systems into an electricity usage device, such as a *Kill a Watt* electricity usage

monitor. Because power usage varies only minimally per computer model, you might want to check power values for representative models. If you have many computer models, you can choose to average the values and assign them to all computers or create multiple assumptions and assign each assumption to the appropriate computers based on their models. The latter approach is more accurate, but it is more time consuming and difficult to maintain over time.

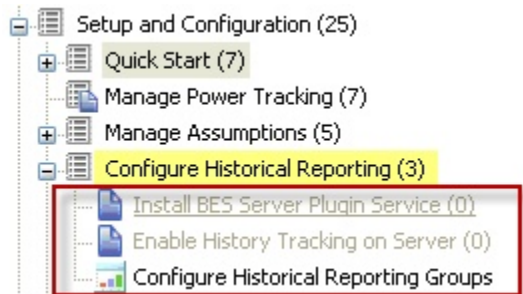
After clicking *New Assumption*, an additional row displays at the bottom of the window, where you can manually populate fields corresponding to the new task Name, System Power Draw, Monitor Power Draw, and the applicability to different hardware types. When complete, click *Create Task*, click *OK*, and enter your Private Key Password. Click in the Actions box of the task window to deploy the action.



## Configure Historical Reporting

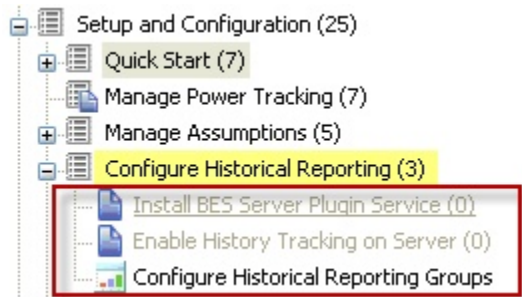
Power Management provides power information based on the current state of computers in your deployment. You can see historical data trends for power usage and capture historical data to address reporting needs.

The *Configure Historical Reporting* subnode under *Setup and Configuration* includes tasks for installing the BES Server Plugin and enabling historical tracking on a server, and a task for configuring historical reporting groups.



## Install BES Plugin Service

The BES Server Plugin Service facilitates communication and automation of the BigFix server and Web Reports components with server-side utilities. Several BigFix applications, such as Power Management, require this plug-in service to fully use the available functions.



You must install the BES Server Plugin service before you use the historical reporting feature.

## Configure BES Plugin

Before configuring, ensure the BES Server Plugin is installed or updated as applicable.

- If the BES Plugin Service has not yet been installed, use the `Install BES Server Plugin Service` task to install BES Plugin. or
- If the BES Plugin Service has already been installed, use the `Update BES Server Plugin Service` task to update.

To configure BES Plugin, use the `Configure SOAP API credentials for BES Server Plugin Service` task. To do this:

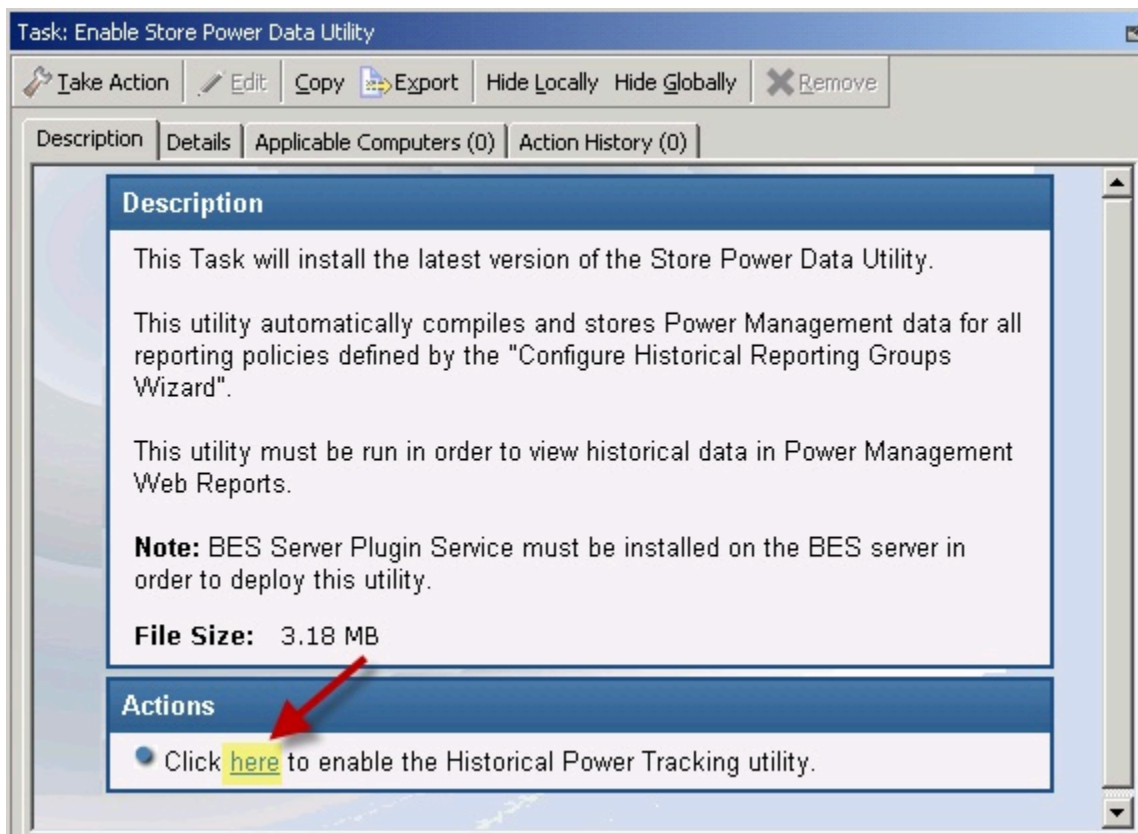
1. Go to **Setup and Configuration > Configure Historical Reporting > Install BES Server Plugin Service**.
2. In the description section, click the link **Configure SOAP API credentials for BES Server Plugin Service**. The following screen appears.

3. Under **SOAP API Configuration**, fill in the following fields:
  - Web Reports User name
  - Web Reports Password
  - Confirm Password
  - Web Reports URL
4. Click "here" to execute action.

This fixlet performs validation on the username and password using the web report URL before executing the action. If the web report URL is not accessible from the console machine, the validation fails; however, the fixlet still gives the option to proceed.

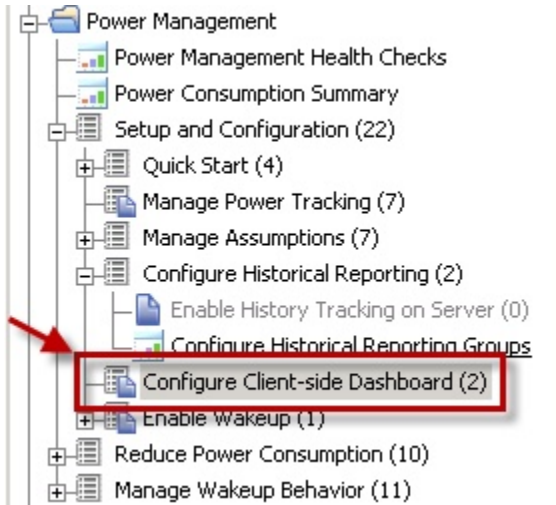
## Enable History Tracking

To enable History Tracking on a server, click the appropriate task from the navigation tree. Click in the Actions box of the task window to enable the Store Power Data Utility.



## Configure Client-side Dashboard

The Client-side Dashboard provides you with individual power footprints. Power Management includes tasks in the navigation tree for enabling and disabling the client-side dashboard.



To start deployment, click the appropriate task, and then click the link in the Actions box.

The screenshot shows the 'Configure Client-side Dashboard' task details. At the top, there is a search bar and a table with the following data:

Name	Source Severity	Site	Applicable Computer Count	Op...	Category
Disable Client Dashboard	<Unspecified>	Power Management	0 / 1	0	Maintenance
Enable Client Dashboard	<Unspecified>	Power Management	0 / 1	0	Maintenance

Below the table, the task name 'Task: Enable Client Dashboard' is displayed. There are buttons for 'Take Action', 'Edit', 'Copy', 'Export', 'Hide Locally', 'Hide Globally', and 'Remove'. The 'Description' tab is active, showing the following text:

**Description**

Use this task to enable a client dashboard which contains a report of local power usage tracking and analysis.

It will then copy the Client dashboard files to the necessary location on the endpoint.

**Note:** Do not set the "Reapply" behavior when taking this action or you may cause endpoints to constantly reset this setting.

**Note:** This will restart the BES Client. If you are deploying to a large number of endpoints, you should use the temporal distribution option to avoid all clients restarting at once.

**Important Note:** This will replace any previous client dashboards you may have already created. BigFix has detected that there are 0 computer(s) that contain the Trend Micro Core Protection dashboard.

**File Size:**  
60 KB

**Actions**

Click [here](#) to initiate the deployment process.

From the **Take Action** window, you can make an action into an offer to have it become part of a list of offers made available in the client UI on applicable machines. This offer applies to the target machines and users that you choose in the **Take Action** window.

Task: Enable Client Dashboard

Take Action | Edit | Copy | Export | Hide Locally | Hide Globally | Remove

Description | Details | Applicable Computers (1) | Action History (0)

Dashboard | Offers | Progress

### Your Power Footprint

With better power management, annually **You Can Save**

<b>Cash</b> <b>\$63</b>	<b>Energy</b> <b>784 kWh</b>	<b>CO<sub>2</sub></b> <b>1098 lbs</b>
----------------------------	---------------------------------	--

**Current Power Scheme**

Turn off monitor:	Plugged in 00:20
Turn off hard disks:	Never
System standby:	Never
Hibernation:	Disabled

Best Case ? | Actual Consumption\* | Worst Case ?

Cash \$5	Actual Consumption* \$67	Worst Case \$119
Energy 57 kWh	841 kWh	1489 kWh
CO <sub>2</sub> 79 lbs	1177 lbs	2085 lbs

\*This data is based on your computer usage from last 11 days.

This example shows an offer for a single power profile from the **Your Power Footprint** tab. Click **Apply This Profile** to apply the offer without having to go to the **Offers** tab.

File | Edit | Help

Offers | Progress | Available Software | Your Power Footprint

### Your Power Footprint

With better power management, annually **You Can Save**

<b>Cash</b> <b>\$106</b>	<b>Energy</b> <b>1323 kWh</b>	<b>CO<sub>2</sub></b> <b>1852 lbs</b>
-----------------------------	----------------------------------	--

**Current Power Scheme**

Plugged in:	00:20	Batteries:	00:03
Turn off monitor:	00:30	System standby:	00:15
Turn off hard disks:	Never	Hibernation:	00:15
System standby:	Disabled		N/A
Hibernation:			N/A

Best Case ? | Power Saver [Vista/Win 7] | Actual Consumption\* | Worst Case ?

Cash \$6	Actual Consumption* \$106	Worst Case \$137
Energy 74 kWh	1323 kWh	1708 kWh
CO <sub>2</sub> 104 lbs	1852 lbs	2391 lbs

\*This data is based on your computer usage from last 14 days.

**Apply the Power Saver [Vista/Win 7] profile to change your power settings to the below values**

	Plugged in	Batteries
Turn off monitor:	00:20	00:03
Turn off hard disks:	00:30	00:15
System standby:	01:00	00:15
Hibernation:	N/A	N/A

Apply This Profile | Cancel

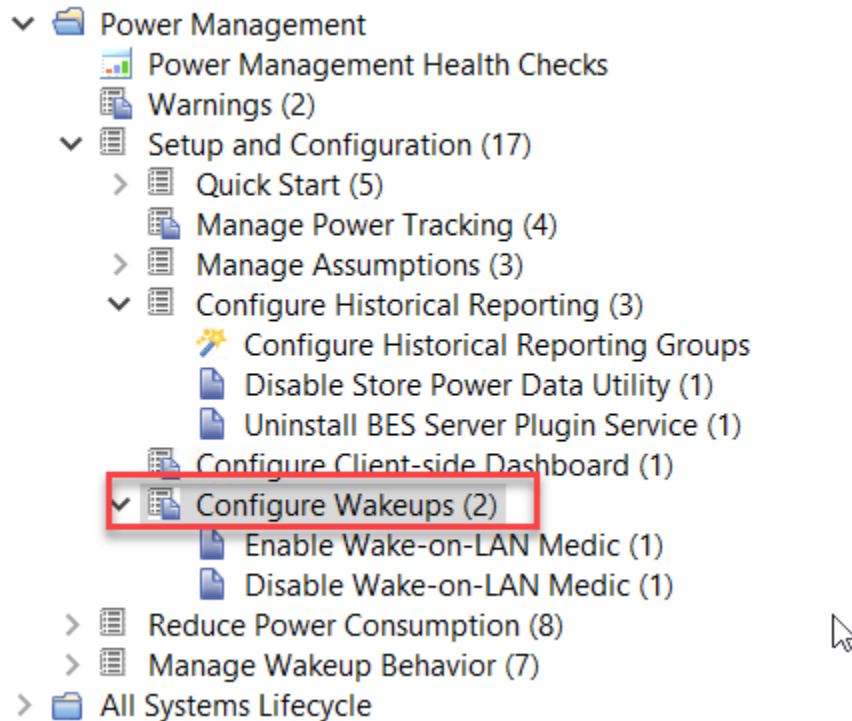
Power Profile Offer



**Note:** Your BES Client version must be 8.2.1170.0 or later to view and apply the single power profile from the **Your Power Footprint** tab.

## Enable Wakeup

*Enable Wakeup* includes a task for enabling the Wake-on-LAN Medic Utility. This utility is used to wake computers based on the schedule defined in the *Schedule Wake-on-LAN* wizard. It also sends a wake-up request to any Last Man Standing computers that are shut down.

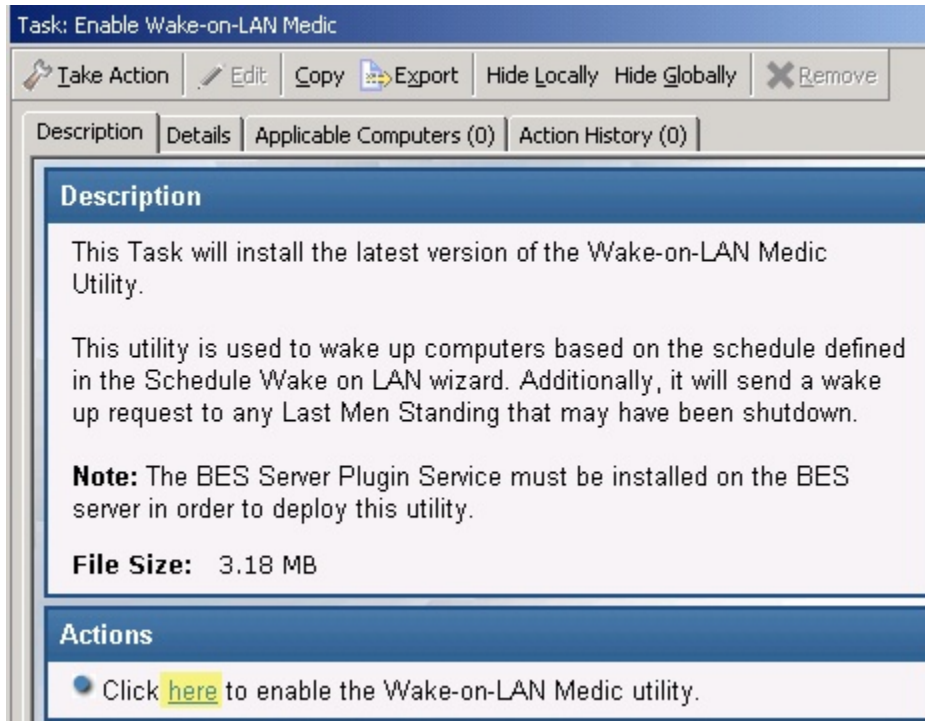


As well as the BigFix Wake-on-LAN technology, BESWoIMedic.exe with versions 1.5.30 or later use a directed broadcast that does not need Wake-on-LAN forwarders and Last Man standing computers.

To enable the *Wake-on-LAN Medic Utility*, click the *Enable* task in the List Panel, and then click in the Actions box of the Task window.



**Note:** Ensure that RESTAPI is set up correctly to avoid errors and for the Wake-on-Lan Medic Utility to function properly. RESTAPI is supported by BigFix server version 9.0 and later.



Your BigFix Server firewall might prompt a network security warning when the utility is run for the first time. No directed broadcast is issued if the permission to access the network is not approved at your BigFix server. The existing BigFix Wake-on-LAN technology will continue to work.

## Remove previous version

You can run the previous and current versions of both versions of Power Management simultaneously. However, the new version of Power Management uses different collection techniques. When you remove the old version, your historical data is not transferred.



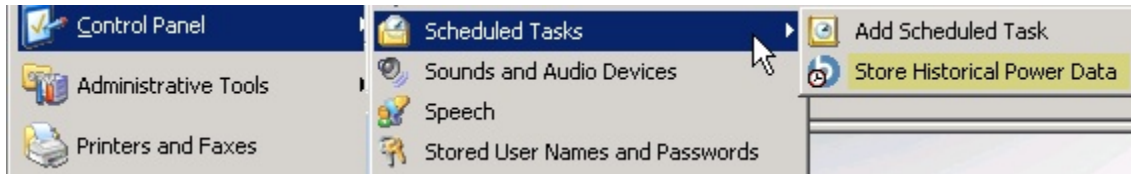
**Note:** Remove the previous version of BigFix Power Management after the new version is installed.

## Disable previous Historical Tracking

The previous version of BigFix Power Management used a user-defined scheduled task in Windows to run the Store Historical Power Data process. If you previously set up this task, you must disable it after you remove the older Power Management Fixlet site.

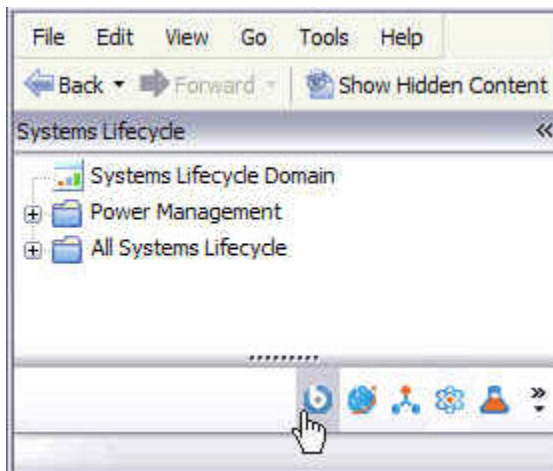
To disable previous historical tracking, remove the scheduled task for storing the power results utility. To do this, access the Windows Control Panel and select Scheduled Tasks. Delete the *Store Historical Power Data* task.



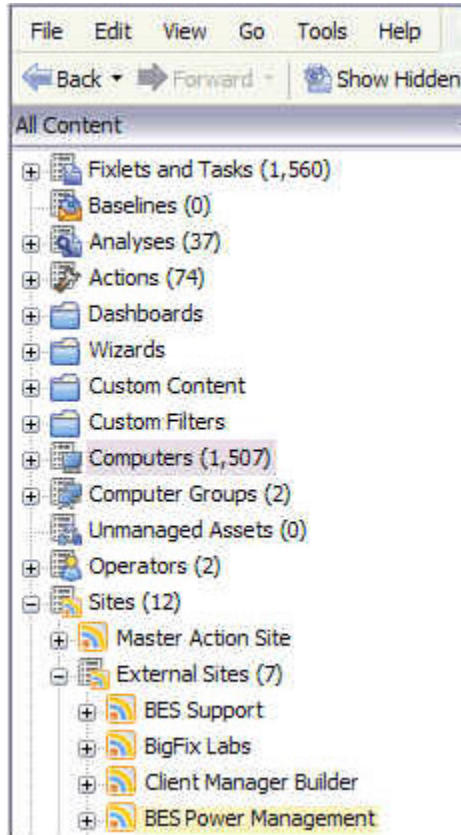


## Unsubscribe from sites

To unsubscribe from the previous site, go to the domain icons at the bottom of the domain panel and click the *All Content* domain icon.



The *All Content* navigation tree displays in the domain panel on the left. In the *All Content* navigation tree, expand the *Sites* folder. Highlight the previous *Power Management* site and click *Remove* from the work panel.



## Remove custom analyses

The previous version of Power Management used a custom analysis to track power usage that was different for each console user. In the current version, tracking is done with a single analysis in the Fixlet site.

Remove the previous analysis after you unsubscribe from the older Power Management.

To remove custom analyses created in the previous Power Management site, click the Analyses node in the *All Content* navigation tree. In the List Panel that displays on the right, sort the list by *Name* and locate the previous site. It is called *Power Monitoring Analysis*. If there are several sites within your console, right-click each *Power Monitoring Analysis* site and select *Remove* from the list.

Analyses			
Status	Name ▲	Site	Applicable Computer
Activated Globally	BES Client Helper Service	BES Support	0
Activated Globally	BES Client Logging Service Version and Extensions	BES Support	2
Activated Globally	BES Component Versions	BES Support	2
Activated Globally	BES Health Checks Analysis	BES Support	1
Activated Globally	BES Relay Status	BES Support	2
Activated Globally	BigFix Wake-on-LAN Analysis	BES Power Management	2
Activated Globally	Power Monitoring Analysis	Master Action Site	2
Activated Globally	Power Options Information - Windows 2000/XP...	BES Power Management	2

# Appendix A. Support

For more information about this product, see the following resources:

- [BigFix Support Portal](#)
- [BigFix Developer](#)
- [BigFix Playlist on YouTube](#)
- [BigFix Tech Advisors channel on YouTube](#)
- [BigFix Forum](#)

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