

Document Overview

This document provides step-by-step instructions for installing Faronics Power Save on a single segment Local Area Network. Following these instructions will allow you to have Power Save installed and running within a few minutes. This document is not a substitute for the user guide!

Faronics Power Save Resources

User guides, video tutorials, white papers, and other documentation on Power Save are available in the Faronics Content Library at <http://www.faronics.com/library>.

What is Faronics Power Save?

Faronics Power Save is an effective and reliable energy conservation tool that accurately manages energy consumption throughout a multiple workstation environment and significantly cuts down on energy expenditures. Power Save offers flexible options for determining when a computer is inactive (by CPU usage, hard drive usage or by running applications—not just keyboard and mouse movement), and only shuts computers down when they are inactive for a specified amount of time. As well, Power Save can schedule shutdown, start-up, and wake events by day, weekend, weekday, or a specific date.

Faronics Power Save provides central reporting, configuration management, deployment, and control across an enterprise via Faronics Core Console.

System Requirements

Faronics Power Save requires Windows 2000 SP4 (32-bit), XP SP2 (32-bit and 64-bit), or Windows Vista Ultimate, Home Premium, Home Basic, Business, and Enterprise (32-bit and 64 bit), or Windows 7 (32-bit and 64 bit) and Faronics Core Console.

Faronics Core Console requires Windows XP SP2, 2003 Server, or Vista in addition to .NET 3.5, MMC 3.0, and Microsoft SQL Server Express Edition (SP2). It is highly recommended that all components be installed using the Windows Administrator account.

The .NET, MMC, and SQL Server Express components are freely downloadable from Microsoft, but are not redistributable by Faronics. However, the Faronics Core Console installer will detect which of the components are not installed and will automatically launch a web browser to the appropriate Microsoft page to download each component.

Installation Process

Installation and configuration of Faronics Power Save requires administrative access. Power Save is distributed on a CD-ROM, or as a downloadable file via the Internet.

To install Faronics Power Save and Faronics Core Console, complete the following steps:

1. Faronics Core Console must be installed before the Power Save Loadin is installed. Attempting to install the Power Save Loadin on a computer without Faronics Core Console installed will generate an error message indicating this.
2. Once Faronics Core Console is installed, the Core Agent Installer must be created from within Faronics Core Console.
3. Install the Core Agent on to the client workstations that it is desired to deploy Faronics Power Save onto. The Core Agent allows Faronics Core Console to communicate with the workstation and therefore to deploy Faronics Power Save to the workstation.
4. Run the Power Save Loadin installer on the computer that is hosting Faronics Core Console.
5. Deploy and Configure Faronics Power Save onto the desired workstations from Faronics Core Console.

Using Faronics Power Save and Faronics Core Console

Faronics Core Console is used to create the customized workstation installation file as well as manage the network deployment and Power Save workstation settings.

To open Faronics Core Console, go to *Start>Faronics>Faronics Core Console*. Go to the Faronics Core Console Properties.

1. Faronics Power Save can be accessed through Faronics Core Console by selecting one or more workstation(s) from the workstations list in Faronics Core Console and selecting *Actions > Configure Power Save*, or right-clicking on a workstation from the list and selecting *Configure Power Save*.
2. The pre-existing Power Save configuration is retrieved and displayed automatically. Click *Retrieve* to retrieve the pre-existing Power Save configuration manually. The current Power Save settings that are applied to the workstation appear in the tab and can be edited in the *Actions* and *Definitions* tabs.
3. To apply a Power Save configuration file, click *Import*. Browse to the location of the saved file and click *Open*. To save a configuration file once it is complete, click *Export*. Browse to the preferred Save location for the file and click *OK*.

When you View/Edit the Initial Configuration there are two tabs of information.

Actions Tab

The *Actions* tab is used to configure what action will occur for what length of time when a workstation becomes inactive.

Select *Manage Power on this Machine* if Power Save is managing the power usage on the computer.

Select *Run in Audit Only* mode to run Power Save in Audit Only mode. Alternatively, select one or more workstations, right-click and select *Power Save Mode> Enable Audit Only Mode*. In the Audit Only mode, the Power Save actions are disabled. However, Power Save will record the events on the workstation. The events recorded are startup time, shutdown time, monitor on time, monitor standby time, computer standby time, computer hibernate time, and computer sleep time (Windows Vista only). The recorded events can be analyzed using Power Save reports.

Select *Manage power only after first keyboard/mouse activity* if Power Save should begin monitoring power usage after the first keyboard or mouse activity, and not when the computer is first turned on, even if there is no activity.

Select *Override Windows Power Options* to turn off power management options in Windows. Alternatively, select one or more workstations, right-click and select *Windows Power Options> Override*. To allow Windows Power Options, select one or more workstations, right-click and select *Windows Power Options> Allow*. This allows Power Save to take action on the workstation without interference by the operating system's power saving options.

To save energy used by a monitor select the *Turn off monitor after* box and use the spin box to choose the number of minutes for this action to occur.

To manage energy used by the workstation's CPU, select *Reduce power after* and adjust the number of minutes to initiate one of the following three options:

Standby: puts the CPU into standby mode

Hibernate: puts the CPU into Hibernate mode

Shutdown: completely turns the CPU off

It is recommended that the *Shutdown if action not supported* option be selected if *Standby* or *Hibernate* is selected. This ensures power savings for hardware that does not support these modes.

To notify the user that Power Save actions are going to be taken, check *Notify user of Power Save actions* and use the spin box to enter the number of seconds the user will see the warning for. To enter a customized message for the user, enter it in the *Message to display* field.

The user can always cancel this action by moving mouse or using the keyboard.

Definitions Tab

The *Definitions* tab is used to define when a workstation is inactive.

The basic definition that Power Save uses to define inactivity is stated at the top of the tab: *The mouse and/or keyboard are not being used*. The other options are in addition to this definition. By default, the three configurable options are not checked. If no configuration is done to this tab, the only element of inactivity will be keyboard and mouse movement.

Disk Activity

To include hard disk activity in the inactivity definition, check *Disk activity is less than*, and configure the following settings:

- Set the percentage number to define inactivity of the hard disk
- Set the number of seconds to define when the measurement will take place

For example, if the *% of max* is set to *50* and *sampling once every* is set to *10 seconds*, the program will check for disk utilization every 10 seconds to determine if the utilization is below 50%.

CPU Activity

To include CPU activity in the inactivity definition, check *CPU activity is less than*, and configure the following settings:

- Set the percentage number to define inactivity of the CPU
- Set the number of seconds to define when the measurement will take place

For example, if the *% of max* is set to *25* and *sampling once every* is set to *15 seconds*, the program will check for CPU activity every 15 seconds to determine if the utilization is below 25%.

Applications Running

To include the activity of running applications in the inactivity definitions, check *None of the following checked applications is running*. Once applications are added to this list, if any of them are running, the computer is not considered inactive.

Deep Freeze Maintenance Compatibility

Select the *Enable Deep Freeze Maintenance compatibility* check box to synchronize Power Save with Deep Freeze. Use the spin box to select the number of hours you want the computer to remain on if Deep Freeze Maintenance is scheduled.

Faronics provides a solution called Deep Freeze that has the ability to create a Maintenance Schedule for software updates to occur. Power Save will detect this Maintenance Schedule and take no action if Deep Freeze is to enter Maintenance within a specified period of time. Ignore this option if you are not running Deep Freeze.

Administering Power Save

The Faronics Power Save Administrator dialog can be accessed both at the console and the workstation level:

- To access the Administrator dialog via Faronics Core Console, right-click one or more workstations, select *Administer Power Save*.
- To access the Administrator dialog at the workstation level, *Shift* + double-click the Power Save icon in the System Tray. At the workstation, the Administrator screen is displayed as a tab adjacent to the Actions and Definitions tab.

Configuration Options

The following configuration options are available in the Administrator dialog:

Password

Select the *Enable workstation password protection* to enable password protection. Enter and confirm a password. Alternatively, to enable or disable Password Protection through the right-click contextual menu:

- select one or more workstations, right-click and select *Password Protection > Enable*.
- select one or more workstations, right-click and select *Password Protection > Disable*.

Energy Consumption Profile

An Energy Consumption Profile is a customized set of values to specify power consumption of Monitors and Computers running in full capacity and on standby mode, and cost per kilo Watt hour. This data is used in the Power Save report, and quantifies how much power and money is being saved by your hardware. The default Energy Consumption Profile is *Default*.

Complete the following steps to create a new Energy Consumption Profile:

1. Click *New* to create a new Energy Consumption Profile.
2. Specify a unique name in the *Name* field.
3. Specify the power consumption for *Monitors* in the Watts-on and Watts-standby.
4. Specify the power consumption for *Computers* in the Watts-on and Watts-standby.
5. Specify the cost in the *Cost* field in cents per kilo Watt hour.

Alternatively, to Create or Apply an Energy Consumption Profile through the right-click contextual menu:

- To create a new Energy Consumption Profile, select one or more workstations, right-click and select *Energy Consumption Profile > Create New*. Follow steps 2 to 5 above.
- To apply a previously created Energy Consumption Profile, select one or more workstations, right-click and select *Energy Consumption Profile > Apply Profile*. Select the Energy Consumption Profile and click *Apply* or *OK*.

When the Power Save Loadin is installed, the Energy Consumption Profile column is displayed in Faronics Core Console. Click the column heading to sort the workstation list by the *Energy Consumption Profile*.

Stealth Mode

Select *Hide system tray icon* to hide the Power Save icon in the *System Tray*. Select *Hide icon in Start menu* to hide the Power Save icon in the *Start Menu*.

Alternatively, to enable or disable Stealth Mode through the right-click contextual menu:

- select one or more workstations, right-click and select *Stealth > Enable*.
- select one or more workstations, right-click and select *Stealth > Disable*.

The Stealth Mode hides the Power Save icon in the System Tray as well as in the Start Menu.

License Key

To update the License Key for Power Save, complete the following steps:

1. Click *Edit*.
2. Specify the *License Key*.
3. Click *Apply*.
4. Click *OK* to close the *Administrator* dialog.

Status

The Status text area displays the status of connection settings that are retrieved from the workstation. If the console successfully retrieves the settings from the workstation, *Success* is displayed. If the console is unable to retrieve the settings from the workstation, *Failed* is displayed with the specific reason for failure.

Check for Software Updates

To check if the installed version of Faronics Power Save is the most current one, open Faronics Core Console and navigate to the Faronics Core Console node. The middle pane will display a live HTML page from Faronics Labs if you are connected to the Internet. This page will provide version information and inform you if a newer version is available for download. If you are not connected to the Internet a static HTML page will indicate your current version of Power Save.

Uninstalling Power Save

To uninstall Faronics Core Console or the Power Save workstation client program, go to *Control Panel>Add Remove Programs*. The Console will not require a restart. The workstation will require a restart.

Contact Faronics

Free technical support is available to you during your evaluation period. Contact our Technical Support department at 800-943-6422 or through <http://www.faronics.com/support>.

For further product, pricing, and ordering information, please contact the Customer Service Department at (800) 943-6422 or by email at customerservice@faronics.com.