



FARONICS
POWERSAVE™

AUTOMATED Energy Conservation

Requirements Guide



FARONICS™
Intelligent Solutions for ABSOLUTE Control

www.faronics.com

Last modified: November, 2009

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Preface

This guide explains the hardware and software prerequisites required to assist potential and current Faronics Power Save customers assess their deployment readiness.



The information listed in this requirements guide apply to computing environments with up to 2,000 computers. For deployment information designed for 2,000+ computers, please contact Faronics.

Topics

Important Information

Technical Support

Important Information

This section contains important information about Faronics and contact details.

About Faronics

Faronics delivers market-leading solutions that help manage, simplify, and secure complex IT environments. Our products ensure 100% machine availability, and have dramatically impacted the day-to-day lives of thousands of information technology professionals. Fueled by a market-centric focus, Faronics' technology innovations benefit educational institutions, health care facilities, libraries, government organizations, and corporations.

Technical Support

Every effort has been made to design this software for ease of use and to be problem free. If problems are encountered, contact Technical Support.

Email: support@faronics.com

Phone: 800-943-6422 or 1-604-637-3333

Hours: 7:00am to 5:00pm (Pacific Time)

Contact Information

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Requirements

This chapter explains the hardware and software requirements for Faronics Power Save and Faronics Core.

Topics

Faronics Core

Requirements for Faronics Core

Advanced Features in Faronics Core

Power Save

Requirements for Faronics Power Save

Resource Usage

Faronics Core

This section introduces Faronics Core and explains its components.

About Faronics Core

Faronics Core provides enterprise deployment and management capabilities for Faronics' software solutions. Faronics Core also allows the monitoring and management of multiple workstations from a central location. Faronics Core displays the current status of managed workstations and allows commands to be applied to one or more of those workstations. Faronics Core's basic functionality is extended by installing Product Loadins. These Loadins extend the functionality of Faronics Core with product-specific status, actions and reports.

Faronics Core has the following components:

- **Core Console (UI Tier)** — The user interface used to manage and monitor Core Servers and workstations. A single instance of Core Console can connect to multiple Core Servers.
- **Core Server (Logic Tier)** — The management of workstations, processing of tasks and communication between Core Console and workstations is done by the Core Server.
- **Core Database (Data Tier)** — The database stores the workstation list and information about the workstation.
- **Core Agent** — The Core Agent, that is installed on the workstation, enables communication between the workstation and the Core Server

Elements of Core Server and Core Database

The following table explains what is stored on Core Server and Core Database:

Core Server	Core Database
Action Behavior	Workstation list
Custom Workstation Groups	Core Agent information
Scheduled Tasks	IP, MAC address, Domain, and Subnet
History	Operating System on each workstation
LDAP credentials	Users and Roles

About Product Loadins

Faronics Core implements basic management functionality. Its primary role is to serve as a common platform for the management of other Faronics products. This is accomplished through the installation of Product Loadins. A Product Loadin is a software library that adds new product-specific functionality to Faronics Core.

Products that use Faronics Core consist of two main components: Product Loadin and workstation component. The workstation component will be the actual product-specific features installed on the workstation. The Product Loadin is installed on the Core Server and allows you to manage the Product Loadins installed on the various workstations.

The system requirements for Faronics Core and its components is described in the following section.

More Information

For more information about Faronics Core, refer to the latest user guide is available at <http://www.faronics.com/library>.

Requirements for Faronics Core

This section explains the requirements for the Core Console, Core Server, Core Database and the remote workstations managed by Faronics Core.

Core Console Requirements

The following system requirements must be met to successfully install Core Console:

- 32- or 64-bit editions of Windows XP SP3, Windows Vista and Windows 7
- 32- or 64-bit editions of Windows Server 2003 and Windows Server 2008
- The console also requires Microsoft .NET 3.5 SP1 and Microsoft MMC 3.0

Core Server Requirements

The following system requirements and hardware requirements must be met to successfully install Core Server:

System Requirements

The following system requirements must be met to successfully install Core Server:

- 32- or 64-bit editions of Windows XP SP3, Windows Vista and Windows 7
- 32- or 64-bit editions of Windows Server 2003 and Windows Server 2008
- Microsoft .NET 3.5 SP1 and Microsoft MMC 3.0

Hardware Requirements

The following hardware requirements must be met to successfully install Core Server:

- Minimum
 - Pentium 4, 2.8 Ghz or equivalent
 - 2 GB RAM
 - 80 GB available hard disk space
- Recommended
 - Dual Core Pentium 2.4 Ghz or equivalent
 - 3 GB RAM
 - 80 GB available hard disk space

Core Database Requirements

The following system requirements must be met to successfully install Core Database:

- Microsoft SQL Server 2005 SP2 or
- Microsoft SQL Server 2008 SP2 (all editions) or
- Microsoft SQL Server 2005 Express



Microsoft SQL Server 2005 Express is included with Faronics Core Console and is perfectly acceptable for deployment sizes of 500 machines or less. Deployments of 500 to 1,000 machines can use the Express edition but may experience performance issues. For deployments over 1,000 computers it is highly recommended to use the Standard or Enterprise versions of SQL Server.

Workstation Requirements

The Core Agent can be installed on any computer running the following Microsoft Windows operating systems:

- Windows 2000 SP4
- 32- or 64-bit editions of Windows XP SP3, Windows Vista and Windows 7
- 32- or 64-bit editions of Windows Server 2003 and Windows Server 2008

The Core Agent requires that Microsoft Internet Explorer 6 (IE6), or greater, be installed.



On Windows Server 2003 and Windows XP 64-bit, the WMI Windows Installer Provider is required but is not installed by default. To install this Windows component, select the *WMI Windows Installer Provider* component found under *Add or Remove Programs > Add/Remove Windows Components > Management and Monitoring Tools > Details*.

Advanced Features in Faronics Core

This section briefly explains the advanced features in Faronics Core.

Scalability

Faronics Core is a highly scalable enterprise solution. By adding multiple Core Servers and Core Databases, Faronics Core can be scaled both horizontally and vertically across the enterprise.

Security

Faronics Core uses Windows Authentication and Microsoft Security Certificates to ensure secure communication between:

- Core Console and Core Server
- Core Server and Workstations
- Core Server and Core Database

Reporting

Reporting is built into Faronics Core Console. As a result there is no application footprint required for a separate reporting module and there is no impact on your SQL Server licensing.

More Information

For more information about the advanced features in Faronics Core, refer to the latest user guide is available at <http://www.faronics.com/library>.

Power Save

Faronics Power Save delivers PC power management that does not interfere with user or IT needs. Power Save keeps computers running when users need them, accurately determines when computers are inactive so they can be powered down, and can prove its rapid return-on-investment through network-wide power consumption and savings reports.

Power Save's non-disruptive PC power management analyzes CPU, disk, keyboard, mouse, and network activity, as well as application status, before taking computer power management actions. It is also available for both Windows and Mac computers. With an average savings of \$50 per computer per year for every computer deployed, Power Save is the ultimate PC power management software solution for desktop and laptop computers.

Requirements for Faronics Power Save

This section explains the requirements for Faronics Power Save.

Prerequisites

The Power Save Loadin requires Faronics Core. For more information about Faronics Core, refer to the section [Faronics Core](#).

System Requirements

Power Save on the workstation computer requires any of the following operating systems:

- Windows 2000 SP4 (32-bit)
- Windows XP SP2 (32-bit or 64-bit)
- Windows Vista (32-bit or 64 bit)
- Windows 7 (32-bit or 64 bit)

It is highly recommended that all components be installed using a Windows Administrator account.

Resource Usage

This section explains the resources used by Faronics Power Save.

Footprint

Faronics Power Save and Faronics Core have the following footprint on the computer where Core Console is installed:

Hard Disk	~ MB	Memory	~ MB
Core Console	5	Core Agent	8
Custom Workstation Groups	20	Power Save Service	7
		Power Save Icon (System Tray)	5
		Power Save VNC Monitor	1
Total	25	Total	21

Communications

Communication between Core Server, Core Console, and the Core Agent is accomplished using the SOAP protocol. One of the key benefits of SOAP is that it allows for communication between applications running on different operating systems, with different technologies and programming languages.

Bandwidth requirements are low since unnecessary network traffic is eliminated. For example, a Faronics Power Save deployment using the default settings would generate:

- First day traffic of 2.5 KB between the console and the workstation
- Subsequent daily traffic of 0.3 KB with the same settings applied

More Information

For more information about Faronics Power Save, refer to the latest user guide is available at <http://www.faronics.com/library>.