



IBM Systems

IBM PowerExecutive 1.10

Release Notes





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Note

Before using this information and the product it supports, read the general information in "Notices" on page 11.

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Chapter 1. About this release

IBM® PowerExecutive is an extension to IBM Director 5.10. This product enables IBM customers to manage the power and thermal needs of BladeCenter™ systems and rack-mounted servers in the datacenter. PowerExecutive is part of a larger power-management implementation that includes hardware and firmware components.

New in this release

PowerExecutive 1.10 adds the following enhancements and changes:

Exclusive communication to BladeCenter management modules

PowerExecutive 1.10 requires exclusive access to port 6090 of each primary management module in all BladeCenter chassis and rack-mounted servers that it is monitoring. However, you can still access these management modules through the management-module Web interface or the management-module command-line interface (CLI).

Supports rack-mounted servers

PowerExecutive 1.10 supports System x server models x3550 and x3650.

For details about the functionality in PowerExecutive 1.10, see the *IBM PowerExecutive Installation and User's Guide*.

Overview of PowerExecutive 1.10 release

PowerExecutive 1.10 contains the following features and functions:

Install on Windows® or Linux®

PowerExecutive 1.10 can be installed on IBM Director 5.10 management servers and management consoles that are running supported Windows and Linux 32-bit operating systems.

Monitor power consumption data

The PowerExecutive 1.10 user interface displays power-consumption information about BladeCenter chassis and rack-mounted servers and their modules. You can display detailed information about rack-mounted servers, or either detailed or summary power information about all the BladeCenter chassis in a group, a single BladeCenter chassis, a power domain in a BladeCenter chassis, or a module within a power domain of a BladeCenter chassis.

Suspend and resume data collection

You can suspend data collection on any BladeCenter chassis or rack-mounted server displayed in PowerExecutive 1.10. Later, you can resume data collection on that chassis.

Manage trend data

You can define how often PowerExecutive displays power information and how long this information is retained by PowerExecutive. When displaying power information in PowerExecutive, you can use a predefined time interval or create a custom time interval that determines how much historical data is displayed.

Export data

PowerExecutive can export summary data and detailed data in tabular format into CSV, XML, or HTML file formats. PowerExecutive also can export a picture of the power meter and a graphical view of the detailed data into the JPEG file format.

Report hardware-related events

PowerExecutive displays information about events that it generates, either in graphical or tabular format. Further, the power information displayed in PowerExecutive is updated when certain events from Server Configuration Manager occur.

For details about this product, see the *IBM PowerExecutive Installation and User's Guide*.

Compatibility with IBM Director

Power Executive 1.10 is supported for use with IBM Director 5.10.

Compatibility with IBM BladeCenter systems

The *IBM PowerExecutive Installation and User's Guide* identifies the hardware systems that are supported by PowerExecutive. For details, see Chapter 2, "Installing PowerExecutive" of that guide.

PowerExecutive information resources

You can find additional information about IBM PowerExecutive in the product documentation and on the World Wide Web.

Documentation

In addition to these release notes, PowerExecutive 1.10 is supported by the *IBM PowerExecutive Installation and Users Guide* (pwx1.10_docs_user.pdf).

All documentation is in Portable Document Format (PDF). You need Adobe Acrobat Reader or Xpdf to view it. If you need the Adobe Acrobat Reader, you can download it directly from Adobe at www.adobe.com/products/acrobat/readstep2.html.

World Wide Web resources

The following Web pages provide resources for understanding, using, and troubleshooting IBM Director and systems-management tools.

IBM PowerExecutive page

www.ibm.com/servers/eserver/xseries/systems_management/ibm_director/extensions/powerexec.html

Obtain an overview of PowerExecutive and links for downloading the product, release notes, and Installation and Users Guide.

IBM personal computing support page

www.ibm.com/pc/support/

Locate support for IBM hardware and systems-management software. For systems-management software support, click **Systems management**.

IBM Systems Management Software: Download/Registration page

www.ibm.com/pc/us/eserver/xseries/systems_management/dwnl.html

Download IBM systems-management software.

IBM System x® Systems Management page

www.ibm.com/servers/eserver/xseries/systems_management

Obtain an overview of IBM systems management and IBM Director.

IBM ServerProven® page

www.ibm.com/pc/us/compat/index.html

Obtain information about hardware compatibility with IBM System x, IBM BladeCenter, and IBM IntelliStation® hardware.

Chapter 2. Installation and upgrade information

Installation instructions, including other system requirements, are provided in the *IBM PowerExecutive Installation and Users Guide*. However, observe the following information which is applicable only to PowerExecutive 1.10:

- On systems that are running Windows, download and use the file 40k1484.exe.
- On systems that are running Linux, use the -U option to the rpm command instead of the -i option. For example, to upgrade PowerExecutive Server on a Linux system, enter the following command at a command prompt:

```
rpm -Uv PowerExecutive-server-1.1-1.10noarch.rpm
```

Note: If you previously installed PowerExecutive 1.10, you can upgrade to PowerExecutive 1.10 without uninstalling PowerExecutive 1.0. The upgrade process will shut down PowerExecutive if it is left running during the upgrade.

Chapter 3. Limitations and general problems

This chapter contains information about limitations and general problems with IBM PowerExecutive.

Limitation

This section contains information about this limitation of IBM PowerExecutive 1.10.

The **Min/Max** power readings shown in the GUI are representative of measurements made within the rack-mounted server. Some external AC power meters may not be able to capture or display the same peaks as are displayed using the PowerExecutive power meter due to differences such as the averaging periods of the PowerExecutive power meter, the averaging periods of the external power meter, and the filtering behavior of your power supply.

General problems

This section contains information about these general problems applicable to Power Executive 1.10:

Chapter 4. Corrections to the PowerExecutive documentation

This chapter provides corrections to the *IBM PowerExecutive Installation and Users Guide* (pwx1.10_docs_user.pdf).

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