



IBM Systems

IBM PowerExecutive 1.11 Release notes

Version 1.11





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Note

Before using this information and the product it supports, read the general information in Appendix A, "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 1.11 adds the following enhancement:

A limited command-line interface (CLI) to stop and start data collection

The CLI allows the user to have a script that can stop and start PowerExecutive data collection. When PowerExecutive is polling the management module, the communications port (port 6090) is never closed. When data collection is stopped, PowerExecutive closes port 6090. There are three commands:

1. `powerexecutive/lscollect`: List the current state of data collection.
2. `powerexecutive/stopcollect`: Stop data collection.
3. `powerexecutive/startcollect`: Start data collection.

To get more information on a command, type: `dircli <command> -?`. For example:

```
dircli powerexecutive/stopcollect -?
```

For details about the functionality in PowerExecutive 1.11, see the *IBM PowerExecutive Installation and User's Guide*.

Product fix history for PowerExecutive 1.11

PowerExecutive 1.10 failed when the Director database was not Apache Derby. In PowerExecutive 1.11, this non-Apache Director database incompatibility is fixed.

Compatibility with IBM Director

Power Executive 1.11 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.

Chapter 2. 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 1.11 is supported by the *IBM PowerExecutive Installation and Users Guide* (pwx1.10_docs_user.pdf) and the *IBM PowerExecutive 1.10 Release Notes* (pwx1_10_docs_relnotes.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** using the pull-down under "Browse by product".

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 3. Installation and upgrade information

Installation instructions, including other system requirements, are provided in the *IBM PowerExecutive Installation and Users Guide*.

Chapter 4. PowerExecutive known limitations, problems, and workarounds

This section contains information about IBM PowerExecutive 1.11 limitations, problems and workarounds.

Limitations

This section contains information about a limitation of IBM PowerExecutive 1.11.

- 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.

Known problems and workarounds

This section contains information about general problems applicable to Power Executive 1.11.

- Installing PowerExecutive on Window Server 2003 with SP1 installed, causes the PowerExecutive installer to attempt to download and install hotfix MS KB 893803. This fails, and prevents PowerExecutive from installing on Windows® Server 2003 with SP1.

The problem arises because SP1 includes Windows Installer 3.1 v1, which was re-released as v2 with hotfix MS KB 893803. 893803 has logic to not install onto WS03 SP1 when it detects that the installer is already at the correct level.

- Workaround: To correct this problem, download and install MS KB 898715 to upgrade the installer to version 3.1 v2. You can then install PowerExecutive.
- PowerExecutive displays a popup that says The following device is not supported by PowerExecutive: <system name> on a system known to support PowerExecutive.
 - Workaround: The system may have an advanced management module (Service Processor [SP]), which has its own Ethernet port, and, therefore, its own IP address. Director will talk to this SP. But, this SP does not have PowerExecutive support. Only the on-board Base Management Controller (BMC) has PowerExecutive support. The BMC is on the system board and it shares the Ethernet 1 port with the system. For PowerExecutive to display the system, you must configure the BMC from the F1 BIOS Setup screen.
- PowerExecutive doesn't display any systems even though the system that has PowerExecutive installed supports PowerExecutive.
 - Workaround: PowerExecutive only communicates out of band through the network to the management processor on the system. Even though you have one Ethernet cable into the system on the Ethernet 1 port, you will have two IP addresses: one for the on board BMC and one for the OS. For PowerExecutive to display the system on which it is installed, you must add the BMC address to Director as a Physical Platform.

Chapter 5. Documentation updates

At the time of release, there were no known corrections to the PowerExecutive documentation.

Appendix A. Notices

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