

Remote Agent

The Management Server provides both status and shutdown information to the Remote Agent. The Remote Agent runs on a machine and allows the software to gracefully shut down the operating system of that server and run a script during power failure. Install the Remote Agent on any machine that is powered by the UPS and any machine that the software uses to initiate a command. However, it is not necessary to install the Remote Agent on the machine running the Management Server component.

 **NOTE:** For the latest supported operating systems, see the HP website (<http://www.hp.com/go/rackandpower>).

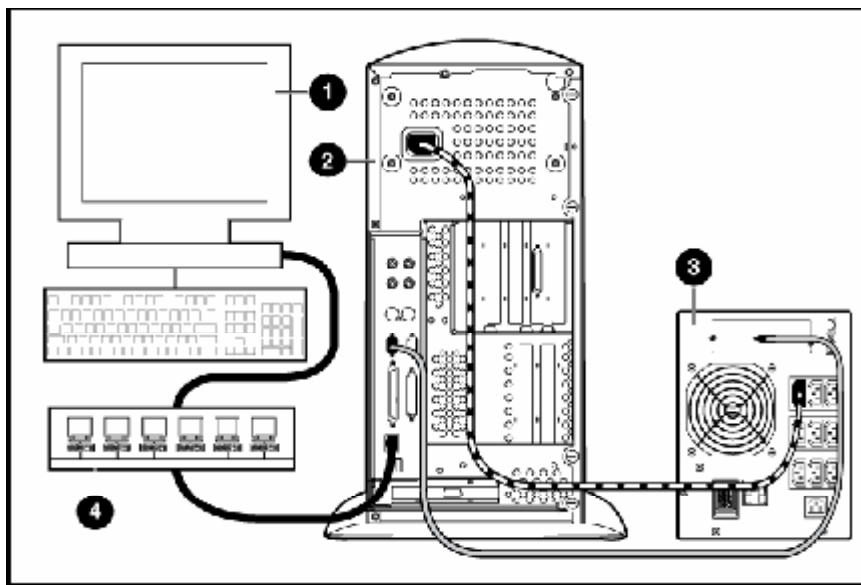
Supported hardware configurations

HP Power Manager requires that the Management Server and the computers running the Remote Agents are connected to the network. UPSs can be attached in any of the following configurations:

- Configuration A (on page 11)—A Management Server is serially attached to one UPS.
- Configuration B (on page 12)—Several Management Servers are serially attached to a Six Port Card on a single UPS.
- Configuration C (on page 13)—One Management Server is serially attached to a UPS and communicates to several Remote Agents over the network.
- Configuration D (on page 14)—A Management Server is attached to one UPS through the USB port.
- Configuration E (on page 14)—A Management Server communicates with one UPS over the network.

Configuration A

This figure illustrates a UPS serially attached to a Management Server that is plugged into a load segment of the UPS. The Management Server is connected directly to the network. A remote workstation can browse into the Management Server over the network.



Item	Description
1	Remote workstation browsing into the Management Server over the network
2	HPPM Management Server

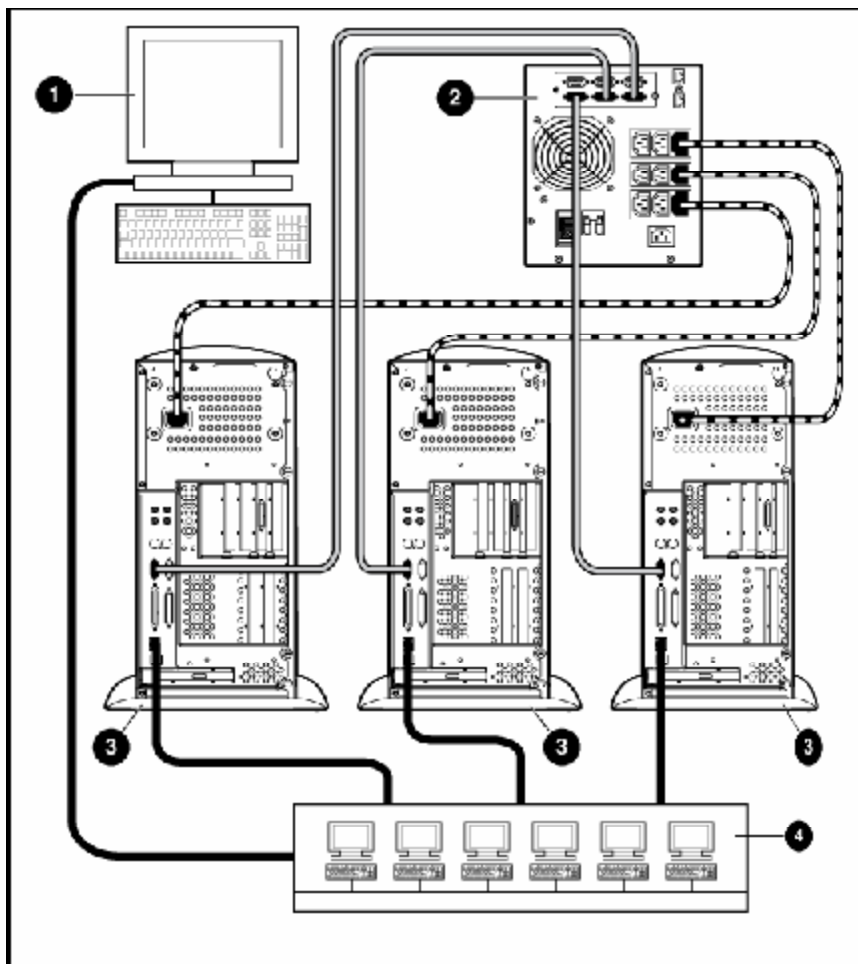
Item	Description
3	UPS
4	Network

Configuration B

In this figure, each server is a Management Server and is serially attached to the UPS through a Six Port Card. The Six Port Card makes each server operate as if it is the only Management Server attached to the UPS. The Six Port Card supports up to three attached servers, and these servers do not communicate with each other.



NOTE: Attached Remote Agents are not tested or supported in this configuration.

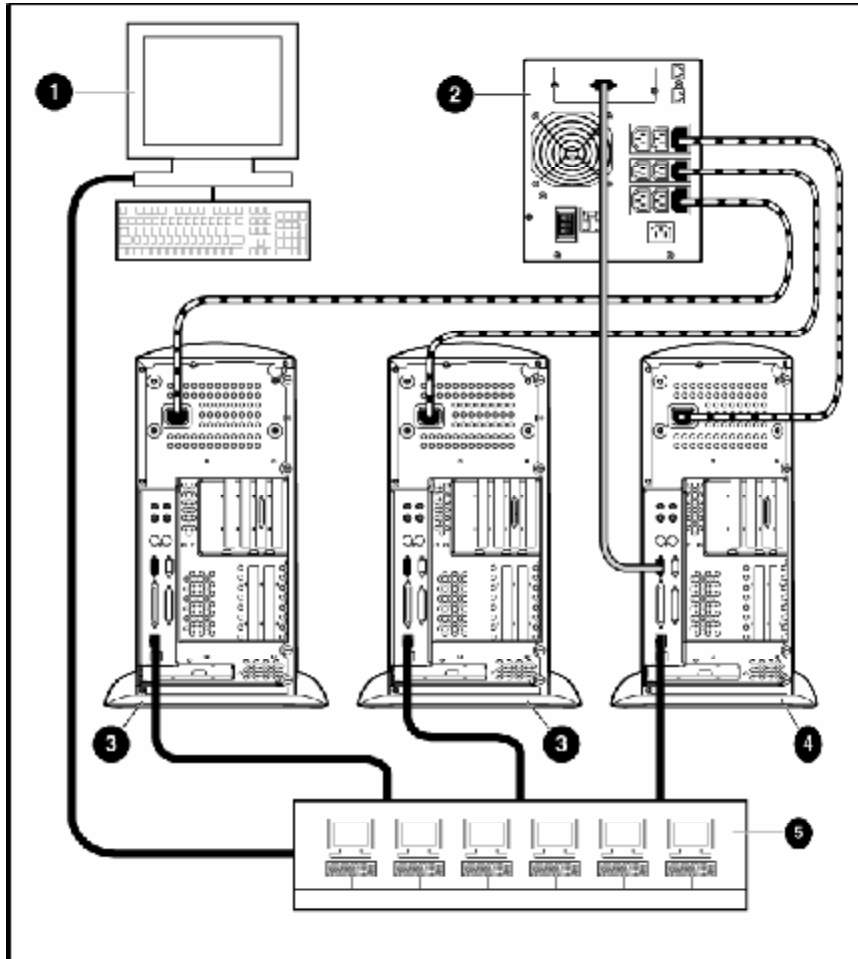


Item	Description
1	Remote workstation browsing into the Management Server over the network
2	UPS with Six Port Card installed
3	HPPM Management Servers
4	Network

Configuration C

In this figure, only one server is a Management Server and is serially attached to the UPS. This Management Server communicates to the Remote Agent servers over the network to begin a graceful shutdown in the event of a power failure or other configured shutdown events.

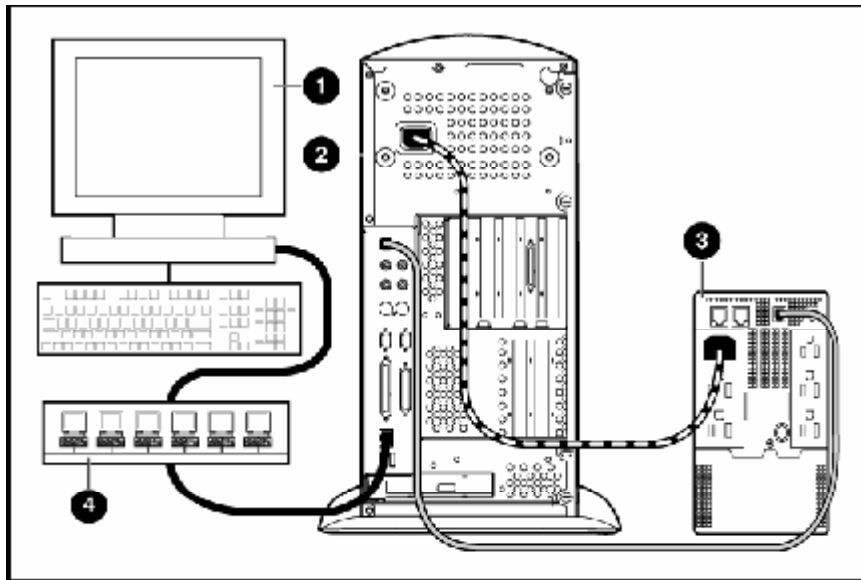
 **NOTE:** Up to 15 Remote Agent servers can be managed by one Management Server.



Item	Description
1	Remote workstation browsing into the Management Server over the network
2	UPS
3	Remote Agent servers
4	HPPM Management Server
5	Network

Configuration D

This figure illustrates a UPS that is connected to the Management Server through a USB port. The Management Server is plugged into a load segment of the UPS and connected directly to the network. A remote workstation can browse into the Management Server over the network.

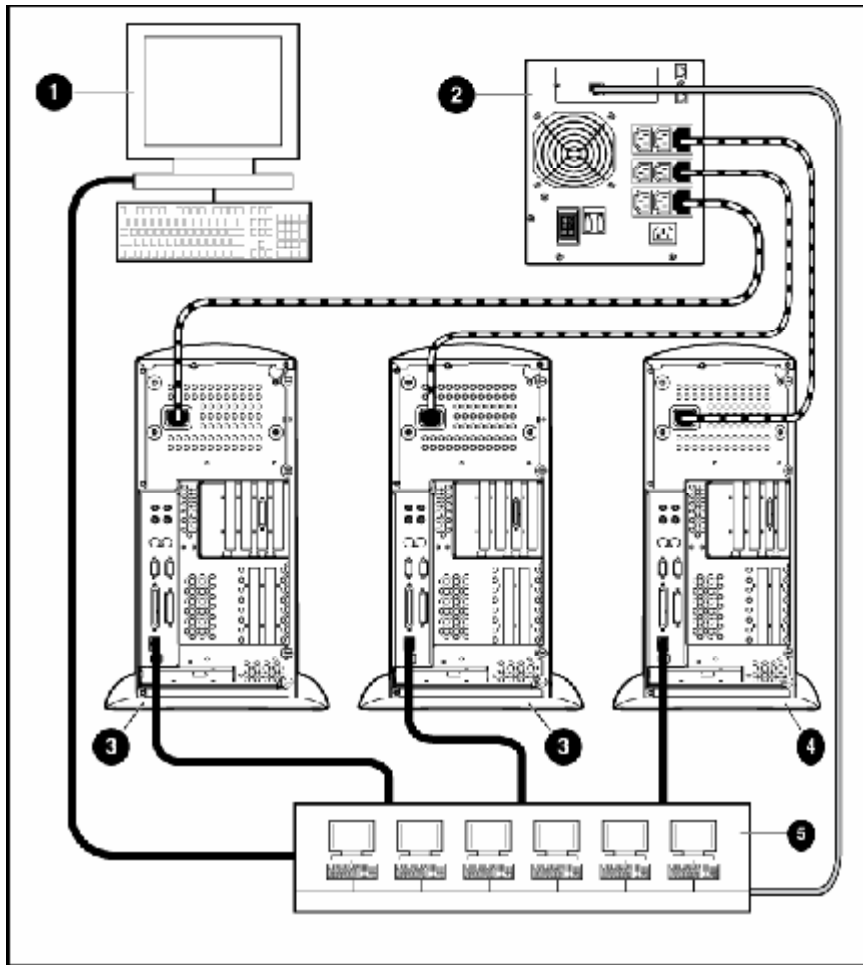


Item	Description
1	Remote workstation browsing into the Management Server over the network
2	HPPM Management Server
3	UPS
4	Network

Configuration E

In this figure, only one server is a Management Server and it communicates to the UPS over the network. This Management Server communicates to the Remote Agent servers over the network to begin a graceful shutdown in the event of a power failure or other configured shutdown events.

 **NOTE:** Up to 15 Remote Agent servers can be managed by one Management Server.




Item	Description
1	Remote workstation browsing into the Management Server over the network
2	UPS
3	Remote Agent servers
4	HPPM Management Server
5	Network

Process overview

To get HP Power Manager up and running in your environment:

1. Visit the HP website (<http://www.hp.com/go/rackandpower>) to download the latest version of HP Power Manager.
2. Connect all equipment powered by the UPS to the receptacles on the UPS rear panel. If the UPS has multiple load segments, note which load segment powers each device.

 **NOTE:** By default, HP Power Manager associates the Management Server with load segment 1. If you connect the Management Server to a different load segment, you must change the default association when configuring HP Power Manager.

3. Power up the UPS and all attached equipment.
4. Be sure that the serial, USB, or network cable connecting the UPS to the Management Server is properly installed.
5. Install the Management Server software according to the instructions for your operating system. There must be one Management Server for each UPS.
6. Install the Remote Agent software according to the instructions for your operating system.
7. Browse in to the Management Server.
8. Manage the Remote Agents.
9. Configure the power fail settings.
10. Configure and customize optional settings:
 - Schedule shutdowns.
 - Set up additional user accounts.
 - Set up event notifications.
 - Set up additional shutdown events.
 - Integrate HP Power Manager with HP Systems Insight Manager.
 - Set up shutdown scripts (SDScripts).