Windows Server® 2008 Hyper-V, Hyper-V™ Server 2008, and Windows Server® 2008 Server Core Installation Notes

Installing Dell[™]UPS Management Software on a Hypervisor-Based Server Environment

Notes

IJ

NOTE: A NOTE indicates important information that helps you make better use of your software.

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Introduction

These installation notes provide instructions for installing Dell[™] UPS Management Software on the following hypervisor-based server environments:

- Microsoft[®] Windows[®] Server 2008 Standard x64 Edition (includes Hyper-V[™])
- Microsoft Windows Server 2008 (includes Hyper-V)
- Microsoft Hyper-V Server 2008
- Microsoft Hyper-V Server 2008 R2
- Microsoft Windows Server 2008 Server Core
- Microsoft Windows Server 2008 R2 Server Core

2

Software Installation on Windows Server 2008 with Hyper-V

This chapter provides the procedures for installing the Dell UPS Management Software on a computer that is running Microsoft Windows Server 2008 with Hyper-V.

This chapter also includes instructions for starting the Dell UPS Management Software and modifying settings in the Windows Server 2008 Hyper-V environment.

Installing the Software

To install and start the software on Hyper-V:

- **1** Download the software from the Dell Web site (support.dell.com) or from the CD (F618R A04 or higher) provided with the UPS.
- **2** Locate the setup.exe installation file on your machine.
- **3** Double-click the setup.exe icon **u** to start the installation program.
- **4** Refer to the installation and configuration manual for the Dell UPS Management Software, which provides instructions to complete the installation in a graphical user interface (GUI) environment.
- Start the Monitor. Right click the Dell UPS Management Software Tray Icon and select Start
 Monitor (see Figure 1). The Dell UPS Management Software user interface window opens.



Figure 1. Start Monitor

Configuring UPS Shutdown

To select the UPS and set the shutdown parameters:

- **1** Select Auto Search UPS from the System menu to search for the UPS.
- **2** Select the desired UPS from the list of available UPSs.
- **3** Select **Shutdown Parameters** from the **UPS** menu to view or change the shutdown settings (see Figure 2).

C: Administrator: C: Windows System 32 (c) 01/14/2018 01:18 AM (DIR) 01/16/2018 01:55 AM (DIR) 01/16/2018 01:55 AM 20.8 1 16/2018 01:55 AM 27.48 C: \>cd De118V C: \>cd De118V 27.48 C: \>cd De118V System Logs UPS Iools Direct D1/16/2 DEXLL UPS MA	nd.exe
01/15/2 Root Tr C:\Dell: ServerCore Dell C:\Dell: BAOCNW1: Dell C:\Dell: BAOCNW1: BAOCNW1: Dell: BAOCNW1: BAOCNW1: BAOCNW1: BAOCNW1: BAOCNW1: Tom BAOCNW1: BAOCNW1: BAOCNW1: BAOCNW1: ServerCore Readocnw1: ServerCore Readocnw1: ServerCore Readocnw1: ServerCore Readocnw1: ServerCore Readocnw1: ServerCore Readocnw1: Readocnw1: Readocnw1:	Shutdown Settings Shutdown Settings Dell UPS Rack 4200W High Efficiency Online HV - 230V Comparison of the sec
	Shutdown Conditions Shutdown Conditions Agents to be shut down Add Modify Remove Shutdown Alarm Parameters Shutdown Alarm Interval Start Warning before Scheduled Shutdown OK Cancel

Figure 2. Shutdown Settings Window

Configuring Guest Operating System Shutdown on the Client-Side

To configure the guest operating system shutdown:

- **1** Start the Hyper-V Manager.
- 2 Select one of the guest operating systems from the Virtual Machines list. Figure 3 shows an example with Windows Server 2003 and Windows Server 2008 installed as guest operating systems.
- **3** Select **Setting** from the Actions pane on the right.

The server settings window opens.

E Hyper-V Manager	elp							<u>- 8 ×</u>
Hyper-V Manager	Virtual Machine	es					Actions	
WIN-ISUGUESK378	Name +	State	CPU Usage	Memory	Uptime	Status	WIN-TSOGOF5K37B	
	Server 2003 server 2008	Running Running	0%	512 MB 512 MB	01:26:50 01:26:49		New	
Settings for Server 2003	:					_	Hyper-V Settings	
Server 2003	•	A b Q				,	Virtual Network Mana.	
 Anongement Management Server 2003 Integration Services All services offered Spapshot File Locatic C: Yrogrambata Wei Restart if previously Automatic Stor Actic 	n rosoftWindo n n	Automatic Stop Ac What do you want this Save the virtual Turn off the virt. Shut down the o The integration s must be installed	ion virtual machine to machine state all machine state all machine sets operating syster- ervice that control and enabled on t	 b do when the physistem stem als shutting down the virtual machine. 	ical computer shuts	down? ystem		

Figure 3. Server Settings Window

4 Select **Automatic Stop Action Save** from the Management list to display shutdown options (see Figure 3).

Select one of three ways to protect the guest operating system from an uncontrolled host machine shutdown:

- Save the virtual machine state. Select this option to retain the guest operating system state before the host computer shuts down.
- **Turn off the virtual machine.** Select this option to immediately turn off the virtual machine.
- Shut down the guest operating system. Select this option to shut down the guest operating system safely before host host machine shuts down.

NOTE: The option, Shut down the guest operating system, requires that Integration Services be installed and enabled on the virtual machine. Integration Services controls the guest operating system shut down.

To install Integration Services:

- 1 Select Insert Integration Services Setup Disk from the Action menu.
- 2 Click Next to complete the installation.



Figure 4. Installing Integration Services

3

Software Installation on Hyper-V Server 2008

This chapter provides the procedures for installing the Dell UPS Management Software on a computer that is running Microsoft Hyper-V Server 2008.

Instructions are also provided for starting the software and modifying settings in the Hyper-V Server 2008 environment.

Installing the Software

To install the software on the Hyper-V Server:



NOTE: You can start the installation from the CD (F618R A04 or higher) provided with the UPS, or you can download the software from the Dell Web site (support.dell.com).

- **1** To install the software from the CD, continue to Step 2. To install the software from the Console window proceed to Step 5.
- 2 Run setup.exe from the CD drive: \Windows directory.

The installation interface window opens (see Figure 5).

- **3** Click **next** to complete the installation.
- 4 Proceed to Step 7.



Figure 5. Installation Interface Window

- **5** To start the installation from the Console window:
 - Download the setup.exe file to your machine from the Dell Web site (support.dell.com) or copy it from the CD.
 - Go to the the path where the install file exists.
- **6** Choose standard or silent installation as follows:
 - For standard installation, enter the command:

setup

The installation interface window opens (see Figure 5).

Click next to complete the installation.

• For silent installation, enter the command:

setup -i silent.

The software begins a silent install with no display messages or windows. Allow a few moments for installation to complete.

- 7 Confirm that the installation is successful:
 - Enter the installation path. The default path is: c:\Program file (X86)\Dell\UPSManagementSoftware
 - Enter the command:

type UPSEVENT.CSV

The response confirms that the Agent is running (see Figure 6).

C:\Program Files (x86)\Dell\UPSManagementSoftware>type UPSEVENT.CSV 15 01/16/2010 03:32:33 [Agent Start][,,-1,][-1]

Figure 6. Agent Started Confirmation

8 To confirm that the software is running normally, enter the following command:

tasklist

The task manager displays (see highlighted items in Figure 7).

Image Name	PID	Session Name	Session#	Mem Usage
System Idle Process		Services		24 K
System	4	Services	Ø	300 K
smss.exe	224	Services	Ø	1,032 K
csrss.exe	304	Services	Ø	3.700 K
csrss.exe	356	RDP-Tcp#Ø	1	5,772 K
wininit.exe	364	Services	Ø	4.160 K
winlogon.exe	392	RDP-Tcp#Ø	1	4,856 K
services.exe	452	Services	Ø	7.012 K
lsass.exe	460	Services	Ø	10,996 K
lsm.exe	468	Services	0	5,872 K
svchost.exe	568	Services	Ø	8,872 K
svchost.exe	640	Services	Ø	6.564 K
svchost.exe	728	Services	Ø	10,688 K
svchost.exe	764	Services	Ø	27.640 K
svchost.exe	812	Services	Ø	8,956 K
svchost.exe	876	Services	Ø	15.696 K
svchost.exe	952	Services	Ø	11,700 K
svchost.exe	268	Services	Ø	2.540 K
lonitor.exe	712	Services	Ø	3,432 K
javaw.exe	1048	Services	Ø	25,240 K
svchost.exe	1176	Services	Ø	8,652 K
svchost.exe	1288	Services	Ø	4,608 K
taskhost.exe	1476	RDP-Tcp#Ø	1	5,412 K
cmd.exe	1604	RDP-Tcp#0	1	2,856 K
conhost.exe	1612	RDP-Tcp#Ø	1	4,048 K
PSMS.exe	1680	RDP-Tcp#Ø	1	3,120 K
iavaw.exe	1688	RDP-Tcp#Ø	1	18,096 K
RMI.exe	1788	Services	Ø	3,440 K
iavaw.exe	1812	Services	Ø	37,432 K
nsdtc.exe	1056	Services	Ø	7,124 K
csrss.exe	448	Console	3	3,552 K
winlogon.exe	1204	Console	3	3,800 K
rdpclip.exe	1236	RDP-Tcp#0	1	4,772 K
LogonUÎ.exe	1652	Console	3	13,300 K
svchost.exe	508	Services	Ø	5,040 K
tasklist.exe	1616	RDP-Tcp#Ø	1	4,992 K
JmiPrvSE.exe	1244	Services	0	5.716 K

Figure 7. Task Manager

- **9** To start the software:
 - Go to the installation path. The default path is:

c:\Program file (X86)\Dell\UPSManagementSoftware

• Enter the command:

Manager

The Dell UPS Management Software main window opens (see Figure 8).

S <u>y</u> stem	Logs <u>U</u> PS	5 <u>T</u> ool	s Mon <u>i</u> tor <u>S</u> NN	AP <u>P</u> referenc	es <u>L</u> angua <u>c</u>	je <u>H</u> elp		
		UPS M	ANAGEMENT SC	DF MAREarch	Alios	in local Compu	ter 🗾 🧱 (
	LAN	1	AN->localhost	172.18.127		LINE-INT	Communication	0%
	WAN	21	AN->PC007	172.18.127		Dell UPS Sho	Communication	0%
	JIMME	3 1	AN->BAOCNW	172.18.127		Dell UPS Rac	Communication	0%
		4	AN->BAOCNW	172.18.127		LINE-INT	Communication	0%
		5 l	AN->BAOCNW	172.18.127		Dell UPS Tow	. Normal	0%
		6 [AN->BAOCNW	172.18.127		C1K(00)	Normal	11%
		7 l	AN->BAOCNW	172.18.127		C1K(FF)	Normal	9%
		81	AN->BAOCNW	172.18.127	5600	Dell UPS Rac	Normal	0%

Figure 8. Dell UPS Management Software Window

Configuring UPS Shutdown on a Local Agent

To select the UPS and set the shutdown parameters:

- 1 Select Auto Search UPS from the System menu to search for the UPS.
- **2** Select the desired UPS from the list of available UPSs.
- **3** Select **Shutdown Parameter** from the **UPS** menu to view or change the shutdown settings (see Figure 9).

St. Administrator: C: Windows'system32' or OI/14/2010 OI:18 AM DIR> OI/16/2010 OI:55 AM OIR> 1 File(s) 1 File(s) 44 6 Dir(s) 27,487 C: \>cd De1ISW C: C: \De1ISW System Logs UPS Iools Direct OILINE OI-16/2 DENELL	nd.exe
01/15/2 ■ Root Tr ■ ServerCore ■ Dell ■ Dell ■ Dell ■ BAOCNW1: <li< th=""><th>hutdown Settings Shutdown Options USB Dell UPS Rack 4200W High Efficiency Online HV - 230V Allow battery to discharge for 10 min Shut down when remaining battery time is below 2 min Ø Begin Shutdown Immediately if Battery Low 2 min Ø System © Shutdown 2 min Powered by Load Segment 1 Add Ø min shut down system Remove Remove Run Command File before Shutdown Browse Browse Shutdown File Max Execution Time 1 min</th></li<>	hutdown Settings Shutdown Options USB Dell UPS Rack 4200W High Efficiency Online HV - 230V Allow battery to discharge for 10 min Shut down when remaining battery time is below 2 min Ø Begin Shutdown Immediately if Battery Low 2 min Ø System © Shutdown 2 min Powered by Load Segment 1 Add Ø min shut down system Remove Remove Run Command File before Shutdown Browse Browse Shutdown File Max Execution Time 1 min
	Shutdown Conditions Agents to be shut down Shutdown Conditions Add Modify Remove Shutdown Alarm Parameters Shutdown Alarm Interval Shutdown Alarm Interval 1 Shutdown Alarm Interval 0K Cancel

Figure 9. Shutdown Settings Window

Configuring UPS Shutdown from a Remote Machine

After the installation, you can verify and modify the shutdown settings of the Agent through a remote PC with a graphical user interface (GUI). Open the Shutdown Settings window (see Figure 10) to view settings.



NOTE: If the Agent is running normally, but does not appear in the the remote computer local area network (LAN), disable the firewall, using the netsh firewall set opmode disable command.

In this example, the settings **Begin Shutdown Immediately if Battery Low**, **System** and **Shutdown** are enabled, which means the server is protected by the software. If the AC fails, or if the battery is low, the system shuts down.

System Logs UPS Too	is Monitor SNMP Preferences Language Help
Root Root	Shut down Settings Shutdown Options USB Dell UPS Rack 4200W High Efficiency Online HV - 230V Allow battery to discharge for 10 min sec Shut down when remaining battery time is below 2 min sec Begin Shutdown Immediately if Battery Low 2 min sec System Shutdown Suspend Redundant UPS Input Setting Time needed for system shutdown 2 min Load Segment1 Add Powered by Load Segment1 Add Remove Run Command File before Shutdown Browse. Shutdown Browse. Shutdown File Max Execution Time 1 min 1
	Shutdown Conditions Shutdown Conditions Agents to be shut down Shutdown Conditions Add Modify Remove Shutdown Alarm Parameters Shutdown Alarm Interval Shutdown Alarm Interval 1 Start Warning before Scheduled Shutdown 10 QK Cancel

Figure 10. Shutdown Settings Window

Uninstalling the Software

To uninstall the software from the Hyper-V Server:

- Go to the installation path. The default path is:
 c:\Program file (X86)\Dell\UPSManagementSoftware
- **2** Enter the command:

ExitAll

3 Enter the following command to display the task list:

tasklist

4 If the javaw.exe process is running, enter the following command to stop it:

tskill PID

5 Go to the next path:

c:\Program file (X86)\Dell\UPSManagementSoftware\UninstallerData

6 The command to uninstall the software depends the command used to install the software. Enter the appropriate command (see Table 1).

lf	then	and
The software was installed with the setup command (standard installation)	enter Uninstall [the Uninstall Dell UPS Management Software window opens (see Figure 11)]	follow the prompts to remove the software.
The software was installed with the setup -i silent command (silent installation)	enter Uninstall -i silent (the software uninstalls with no display messages or windows)	_

Table 1. Uninstall Software

 Introduction Uninstalling Uninstall Complete About to uninstall Dell UPS Management Software This will remove features installed by InstallAnywhere. It will not remove files and folders created after the installation. Before uninstalling the software, please backup your configuration using "Export Configuration". After installing the software, your settings can be restored using "Import Configuration". 		Uninstall Dell UPS Management Software
 Uninstalling Uninstall Complete Dell UPS Management Software This will remove features installed by InstallAnywhere. It will not remove files and folders created after the installation. Before uninstalling the software, please backup your configuration using "Export Configuration". After installing the software, your settings can be restored using "Import Configuration". 	Introduction	About to uninstall
This will remove features installed by InstallAnywhere. It will not remove files and folders created after the installation. Before uninstalling the software, please backup your configuration using "Export Configuration". After installing the software, your settings can be restored using "Import Configuration".	UninstallingUninstall Complete	Dell UPS Management Software
Before uninstalling the software, please backup your configuration using "Export Configuration". After installing the software, your settings can be restored using "Import Configuration".		This will remove features installed by InstallAnywhere. It will not remove files and folders created after the installation.
After installing the software, your settings can be restored using "Import Configuration".		Before uninstalling the software, please backup your configuration using "Export Configuration".
		After installing the software, your settings can be restored using "Import Configuration".

Figure 11. Uninstall Dell UPS Management Software Window

Configuring Guest Operating System Shutdown on the Client-Side

To configure the guest operating system shutdown:

- **1** Start the Hyper-V Manager on the client side.
- 2 Select one of the guest operating systems from the Virtual Machines list. Figure 12 shows an example with Windows Server 2003 and Windows Server 2008 installed as guest operating systems.
- **3** Select **Settings** from the Actions pane on the right.

The server settings window opens.

/per-V Manager	Virtual Machines						Actions
Per-V Hanager WIN-TSOGOFSK378 Server 2003 Server 2003 Server 2003 Server 2003 Server 2003 A hardware A Hanagement Name Services offree Snapshot File Locats Compandia Table Locats Snapshot File Locats Snapshot File Locats Snapshot Start Actor Save	Virtual Machines	State Running Running Automatic Stop Act at do you want their Save the virtual Turn off the virtua Shut down the qu Shut down the qu The integration s must be installed	CPU Usage 0 % 0 %	Memory 512 MB 512 MB do when the physi do when the physi em s shutting down th e virtual machine.	Uptime 01:26:50 01:26:49	Statue	Actions New New New Import Virtual Machin Hyper-V Settings Hyper-V Settings Imspect Disk Imspect Disk Refresh Vew New Window from Here Help Server 2003 Connect Settings Turn Off Shut Down Save I Pause
_							snapshot Revert

Figure 12. Server Settings Window

- 4 Select Automatic Stop Action Save from the Management list.
- **5** Select one of three ways to protect the guest operating system from an unexpected host machine shutdown:
 - Save the virtual machine state. Select this option to retain the guest operating system state before the host computer shuts down.
 - Turn off the virtual machine. Select this option to immediately turn off the virtual machine.
 - Shut down the guest operating system. Select this option to shut down the guest operating system safely before host host machine shuts down.



NOTE: The option, Shut down the guest operating system, requires that Integration Services be installed and enabled on the virtual machine. Integration Services controls the guest operating system shut down.

To install Integration Services:

- 1 Select Insert Integration Services Setup Disk from the Action menu.
- 2 Click Next to complete the installation.



Figure 13. Installing Integration Services

4

Software Installation on Windows Server 2008 Server Core

This chapter provides the procedures for installing the Dell UPS Management Software on Windows Server 2008 Server Core.



NOTE: Server Core is a minimal server installation option for computers running on the Windows Server 2008 operating system.

This chapter also includes instructions for starting the Dell UPS Management Software and modifying settings in the Server Core environment.

Preparing Server Core for Software Installation

Before installing the software on Server Core, modify the network and port settings.

To modify settings:

1 Shutdown the firewall, using the command:

netsh firewall set opmode disable

- **2** Enable the remote desktop function:
 - Open the Registry Editor (see Figure 14), using the command:

Regedit



Figure 14. Registry Editor

- Edit HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal Server\fDenyTSConnections = 0.
- Open the port, using the command:

Netsh firewall set portopening tcp 3389

Installing the Software

To install the software on Server Core:



NOTE: You can start the installation from the CD (F618R A04 or higher) provided with the UPS, or you can download the software from the Dell Web site (support.dell.com).

- **1** To install the software from the CD, continue to Step 2. To install the software from the Console window proceed to Step 5.
- 2 Run setup.exe from the CD drive: \Windows directory.

The installation interface window opens (see Figure 15).

- **3** Click **next** to complete the installation.
- 4 Proceed to Step 7.



Figure 15. Installation Interface Window

- **5** To start the installation from the Console window:
 - Download the setup.exe file to your machine from the Dell Web site (support.dell.com) or copy it from the CD.
 - Go the path where the installation file exists.

- **6** Choose standard or silent installation as follows:
 - For standard installation, enter the command:

setup

The installation interface window opens (see Figure 15).

Click **next** to complete the installation.

• For silent installation, enter the command:

setup -i silent

The software begins a silent install with no display messages or windows. Allow a few moments for installation to complete.

- 7 Confirm that the installation is successful:
 - Enter the installation path. The default path is:

c:\Program file (X86)\Dell\UPSManagementSoftware

• Enter the command:

type UPSEVENT.CSV

The response confirms that the Agent is running (see Figure 16).

C:\Program Files (x86)\Dell\UPSManagementSoftware>type UPSEVENT.CSU 15 01/16/2010 03:32:33 [Agent Start][,,-1,][-1]

Figure 16. Agent Started Confirmation

- **8** To start the Dell UPS Management Software:
 - Go to the installation path. The default path is:

c:\Program file (X86)\Dell\UPSManagementSoftware

• Enter the command:

Manager

The Dell UPS Management Software main window opens.

9 To confirm that the software is running normally, enter the command:

tasklist

The task manager displays (see highlighted items in Figure 17).

Image Name	PID	Session Name	Session#	Mem Usage
System Idle Process		Services	0	24 K
System	4	Services	Ø	300 K
smss.exe	224	Services	Ø	1.032 K
csrss.exe	304	Services	Ø	3,700 K
csrss.exe	356	RDP-Tcp#0	1	5,772 K
wininit.exe	364	Services	Ø	4,160 K
winlogon.exe	392	RDP-Tcp#Ø	1	4,856 K
services.exe	452	Services	Ø	7,012 K
lsass.exe	460	Services	Ø	10,996 K
lsm.exe	468	Services	Ø	5,872 K
svchost.exe	568	Services	Ø	8,872 K
svchost.exe	640	Services	Ø	6,564 K
svchost.exe	728	Services	Ø	10,688 K
svchost.exe	764	Services	Ø	27,640 K
svchost.exe	812	Services	Ø	8,956 K
svchost.exe	876	Services	Ø	15,696 K
svchost.exe	952	Services	Ø	11,700 K
svchost.exe	268	Services	Ø	2,540 K
Nonitor.exe	712	Services	Ø	3,432 K
javaw.exe	1048	Services	Ø	25,240 K
svchost.exe	1176	Services	Ø	8,652 K
svchost.exe	1288	Services	Ø	4,608 K
taskhost.exe	1476	RDP-Tcp#0	1	5,412 K
cmd.exe	1604	RDP-Tcp#0	1	2,856 K
conhost.exe	1612	RDP-Tcp#0	1	4,048 K
IPSMS.exe	1680	RDP-Tcp#0	1	3,120 K
javaw.exe	1688	RDP-Tcp#0	1	18,096 K
RMI.exe	1788	Services	Ø	3,440 K
javaw.exe	1812	Services	Ø	37,432 K
nsdtc.exe	1056	Services	Ø	7,124 K
csrss.exe	448	Console	3	3,552 K
winlogon.exe	1204	Console	3	3,800 K
rdpclip.exe	1236	RDP-Tcp#0	1	4,772 K
LogonUI.exe	1652	Console	3	13,300 K
svchost.exe	508	Services	0	5,040 K
tasklist.exe	1616	RDP-Tcp#0	1	4,992 K
WmiPrvSE.exe	1244	Services	Ø	5,716 K

Figure 17. Task Manager

Configuring UPS Shutdown on a Local Agent

To select the UPS and set the shutdown parameters:

- 1 Select Auto Search UPS from the System menu to search for the UPS.
- **2** Select the desired UPS from the list.
- **3** Select **Shutdown Parameter** from the **UPS** menu to view or change the shutdown settings (see Figure 18).

C: Administrator: C:\Windows\system32\d di/14/2010 di:18 AM (DIR) di/16/2010 di:55 AM (DIR) 1 File(s) 27,48 C:\Cd DellSW C:\Cd DellSW C:\Cd DellSW C:\Cd DellSW Direct Direct Direct Direct UDS Management Softw UDS Management Softw UDS Management Softw UDS Management Softw UDS Management Softw Direct Direct Direct UDS Management Softw UDS Management Softw UDS Management Softw UDS Management Softw UDS Management Softw Direct Direct Direct	md.exe
B1/15/21 Root C:\Dell: ServerCore D:Dell: BAOCNW1: C:\Dell: BAOCNW1: D:Dell: BAOCNW1:	Shutdown Options Shutdown Options USB Dell UPS Rack 4200W High Efficiency Online HV - 230V Allow battery to discharge for 10 min 0 sec Shutdown when remaining battery time is below 2 min 0 sec Ø begin Shutdown immediately if Battery Low 0 Solution Sec 0 min Ø system © Shutdown Suspend Redundant UPS Input Setting 1 min Powered by Load Segment 1 Add Add Remove 1 Im shut down system Browse Browse 5 5 5 Shutdown File Max Execution Time 1 min 1 min
	Shutdown Conditions Shutdown Conditions Agents to be shut down Add Modify Remove Add Shutdown Alarm Parameters Shutdown Alarm Interval 1 Start Warning before Scheduled Shutdown 10 OK Cancel

Figure 18. Shutdown Settings Window

Configuring the UPS from a Remote Machine

After the installation, you can verify and modify the shutdown settings of the Agent through a remote PC with a graphical user interface (GUI). Open the Shutdown Settings window (see Figure 19) to view settings.



NOTE: If the Agent is running normally, but does not appear in the the remote computer local area network (LAN), disable the firewall, using the netsh firewall set opmode disable command.

In this example, the settings **Begin Shutdown Immediately if Battery Low**, **System** and **Shutdown** are enabled, which means the server is protected by the software. If the AC fails, or if the battery is low, the system shuts down.

estem Logs UPS Too	ls Mon <u>itor SNMP P</u> references Language <u>H</u> elp ANAGEMENT SOFTWARE
Root LAN BAOCNW1 SNMP SNMP R	Shut down Settings Shutdown Options USB Dell UPS Rack 4200W High Efficiency Online HV - 230V Allow battery to discharge for 10 min sec Shut down when remaining battery time is below 2 min sec We Begin Shutdown Immediately if Battery Low System Shutdown Suspend Redundant UPS Input Setting Time needed for system shutdown 2 min Powered by Load Segment1 Add Remove Remove Remove Shutdown File before Shutdown Browse. Shutdown File Max Execution Time min
	Shutdown Conditions Agents to be shut down Add Modify Remove Shutdown Alarm Parameters Shutdown Alarm Interval 1 Start Warning before Scheduled Shutdown 10 OK Cancel

Figure 19. Shutdown Settings Window

Uninstalling the Software

To uninstall the Dell UPS Management Software from the Server Core:

1 Go to the installation path. The default path is:

c:\Program file (X86)\Dell\UPSManagementSoftware

2 Enter the command:

ExitAll

3 Enter the following command to display the task list:

tasklist

4 If the javaw.exe process is running, enter the following command to stop it:

tskill PID

- **5** Go to the next path c:\Program file (X86)\Dell\UPSManagementSoftware\UninstallerData.
- **6** The command to uninstall the software depends the command used to install the software. Enter the appropriate command (see Table 2).

lf	then	and
The software was installed with the setup command (standard installation)	enter Uninstall [the Uninstall Dell UPS Management Software window opens (see Figure 20)]	follow the prompts to remove the software.
The software was installed with the setup -i silent command (silent installation)	enter Uninstall -i silent (the software uninstalls with no display messages or windows)	_

Table 2. Uninstall Software

Uninstall Dell UPS Management Software		
Introduction	About to uninstall	
 Uninstalling Uninstall Complete 	Dell UPS Management Software	
	This will remove features installed by InstallAnywhere. It will not remove files and folders created after the installation.	
	Before uninstalling the software, please backup your configuration using "Export Configuration".	
	After installing the software, your settings can be restored using "Import Configuration".	
InstallAnswhere by Macrovision		

Figure 20. Uninstall Dell UPS Management Software Window