# Netwatch Installation For Windows

Netwatch is a program designed to monitor a Powerware UPS unit using the ConnectUPS-Web or Bestlink-Web interfaces and MGE UPS unit using the Network Management Card over a network. The UPS is assigned an IP address and each computer to be shut down will have Netwatch installed on it for monitoring and shutdown.

The first step in installing the Netwatch software is configuring the Web adapter with its IP address and connecting it to the network. After that is complete, run the Netwatch setup program and you will see a screen shown in Figure 1.

Powerware NetWatch v5.0.0	Setup	×
	Welcome to the Powerware NetWatch installation.	
	< Back Next > C.	ancel

## Figure 1

Clicking on the "Next" button will bring up Figure 2. This is just general program information similar to what is in this document.

Powerware NetWatch v5.0.0 Setup			×
Information			
Please read the following text.	FAT	•N	Powerware
Powerware NetWatch Software Description			
Powerware NetWatch is a background network client application that monitors the status of a Web/SNMP/NMC Card. Firewall User Notice: NetWatch normally requires UDP ports 200, 2844, 2845, 4679 and 4680 for communicating with Web/SNMP Cards.If your system uses a Firewall, then these ports must be unblocked. See the 'Advanced Network Settings' help file topic, or button on the configuration applet for more			
InstallShield			
	< Back Next	>	Cancel

## Figure 2

Click "Next" again to come to Figure 3. This is about Licensee Agreement. Please read it carefully and if you agree with the agreement click I accept the terms of the license agreement and click "Next". If you do not agree with the license agreement click cancel.

Powerware NetWatch v5.0.0 Setup	×
License Agreement	
Please read the following license agreement carefully.	Powerware
Ester Conserving Englished Service Assessment	
Eaton Corporation End User License Agreement	<b>1</b>
Revised: February 20, 2008	
IMPORTANT, READ CAREFULLY. THIS EATON CORPORATION END USEF	3
LICENSE AGREEMENT (THE "AGREEMENT") IS A BINDING CONTRACT BE YOU THE ENDUISEB (THE "LICENSEE") AND EATON COBPORATION ("F/	TWEEN
OR "LICENSOR"). EXCEPT TO THE EXTENT YOU ARE BOUND BY A WRIT	TEN
AGREEMENT SIGNED BY BOTH YOU AND EATON REGARDING THE USE . LICENSE OF THIS SOFTWARE PRODUCT, BY INSTALLING OB LISING THIS	AND S
SOFTWARE PRODUCT, YOU, THE LICENSEE, ARE AGREEING TO BE BOU	IND BY
THE TERMS, CONDITIONS AND LIMITATIONS OF THIS AGREEMENT, WHI	
O I accept the terms of the license agreement	Print
I do not accept the terms of the license agreement	
InstallShield	
< Back Next >	Cancel

Figure 3

Figure 4 shows about Destination Location. This is where you can set the path where the Netwatch files will be installed to. Select the appropriate directory and click "Next".

Powerware NetWatch v5.0.0 Setup	×
Choose Destination Location	
Select folder where setup will install files.	F:T•N Powerware
Setup will install Powerware NetWatch in the following fo	lder.
To install to this folder, click Next. To install to a different another folder.	folder, click Browse and select
- Destination Folder	
C:\Program Files\Powerware\NetWatch	Browse
InstallShield	
< Ba	ck Next> Cancel

Figure 4

Figure 5 gives you a chance to review the information of where the files are to go. If everything is OK, click "Next" to continue installation.

Powerware NetWatch v5.0.0 Setup			×
Start Copying Files Review settings before copying files.	F	- <b>T-N</b>	Powerware
Satura has anough information to start copulars	ka program filos . If us	u want to rouir	
change any settings, click Back. If you are sat copying files.	sfied with the settings	s, click Next to	begin
Current Settings:			
Setup Type: NT Service Installation			<u> </u>
Target Folder C:\Program Files\Powerware\NetWatch			
User Information Name: aaaaaaaa Company: eaton			
			<b>T</b>
T			
InstallShield			
	< Back	Next>	Cancel

Figure 5

Figure 6 outlines the next steps in the installation process. Click "Next" to proceed.

Powerware NetWatch - Welcome to the Configuration Wizard	×
This Configuration Wizard will take you through the required steps for Help	
Step 1: Select the IP/Hostname of a Powerware Shutdown Server.	
Step 2: Select the Shutdown Method for Your Workstation.	
Step 3: Select Event and Logging Options.	
Finish: Save Your Preferences and Start the Powerware NetWatch Program.	
< Back Next > Cancel	

## Figure 6

On the next screen, shown in Figure 7, you are given several options. Clicking on the first option will cause Netwatch to poll the network for any Web/ SNMP/ NMC adapters (UPS's) that are on the network (see Figure 8). If the UPS is on a different subnet from the computer, you can manually enter the IP address by clicking on option two (see Figure 9). Option three brings up the information in Figure 10.

Powerware NetWatch - Co	nfiguration Wizard	×	
Step 1: Select Powerware Shutdown Server			
Automatically Detect Shutdown Servers	The Automatic Detection Option uses an IP Broadcast Message to find the Powerware Shutdown Servers on your Network.		
Manually Enter IP/Hostname for the Shutdown Server	Using the Manual Entry Option Requires that you know the IP Address or Hostname of the Powerware Shutdown Server you wish to monitor. Some network routers and gateways may be configured to block IP broadcast messages between subnets on your network.		
Advanced Network Settings	Select the UDP ports NetWatch uses for Discovering and Monitoring Powerware Shutdown Servers. Select Network Address Translation (NAT) option.		
	< Back Next > Cancel		

Figure 7



Figure 8

Select the UPS that you want to monitor (if the UPS has multiple load segments, you will want to choose the load segment that the computer is plugged into. See the UPS User Guide for load segment information). Continue by clicking "OK" and go on to Figure 11.

Powerware NetWa	tch - Configuration Wizard	×
Step 1: Select	Powerware Shutdown Server	
	Manual Search for a Web Card	
Automatically I Shutdown Ser	Enter the hostname, IP address, or subnet broadcast address to be used for the discovery request. Please fill in the proper broadcast address taking into consideration the subnet mask.	
Manually Ente IP/Hostname Shutdown Sei	For example: 216.27.17.255	
Advanced N Settings	OK Cancel	
	< Back Next > Cancel	

Figure 9

Type the IP address of the UPS to monitor in the box and click OK, then go on to Figure 10.

Powerware N	Advanced Network Settings	×	×
Step 1: S	Select the UDP ports NetWatch uses for Discovering and Monitoring Powerware Shutdown Servers. (These settings are not applicable to Network Management Card.)		
Automal Shutdc	Select NetWatch Discover UDP Port   Image: Constraint of the second seco		
Manu IP/Host Shutdo Advano S	Select NetWatch Monitor UDP Port   Image: Constraint of the second secon		
	Select this option if your network uses a NAT firewall between the NetWatch client system and the Powerware Shutdown Server. Using Network Address Translation (NAT)		el
	Cancel		

## Figure 10

The information in Figure 10 should be discussed with your Network Administrator. Some firewalls block the UPD ports that Netwatch uses by default and they may need to be changed for security reasons. You can choose our standard default ports, have Netwatch randomly choose a port, or manually configure your own port to use. You can also select the check box to use NAT to assist with communications through a firewall. Clicking "OK" will take you back to the IP address screen in Figure 8.

Note: These settings are not applicable to Network Management Card (NMC).

Powerware NetWatch - Configuration Wizard	×
Step 2: Select Workstation Shutdown Option	
Select the preferred method of shutting down your Workstation. Shutdown can be disabled if you prefer.	
Operating System Shutdown Controlled by Powerware Shutdown Server	
🔲 Enable Operating System Shutdown after a 🥫 🚔 Minute Power Failure	
Execute a Batch File when the Powerware Shutdown Server sends a shutdown message	
File Name	
Required Execution Time 1 📩 Minutes	
< <u>B</u> ack <u>N</u> ext > Cancel	

Figure 11

Once the network settings and address have been chosen, you will see the screen in Figure 11. This is where you will choose how the shutdown is controlled. By default, the Shutdown Controlled by Powerware server is selected. This means that the setup for shutting down the computers is in the Web adapter (see the Web adapter User Guide for more information). If you select the Shutdown after a xx Minute Power Failure, the computer will shut down after the UPS has been running on battery power for xx

minutes. This setting will be overridden by the Web adapter settings if they are set to shut things down before the Netwatch timeout. Also, if the UPS gets to a Low Battery point before the Netwatch timeout, the Web adapter will tell the Netwatch to shut down the computer.

The Execute a Batch File option will cause whatever command file (batch or script or executable) listed to be run before shutdown occurs. Be sure to set the timing so that the command has time to run before the UPS gets to Low Battery and that the "Required Execution Time" is set properly to give the command enough time to finish before the shutdown is started.

Powerware NetWatch - Configuration Wizard	×
Step 3: Select Event and Logging Options	
Select the preferred Logging and Messaging options for your Workstation	
✓ Log NetWatch Event Messages	
Display NetWatch Event Messages On The Windows Desktop	
L Autorun Program When Windows Starts Up	
Broadcast NetWatch Event Messages To Other Domain Members	
Domain	
< <u>B</u> ack <u>N</u> ext > Cancel	

Figure 12

After setting the shutdown options, you are presented with Figure 12 showing the Event Logging options. This screen shows the default settings of logging the event messages into the system log and also displaying a pop-up message on the screen notifying the user. You can also have Netwatch send out a Broadcast Message over the network to systems not running Netwatch, like an IT persons workstation, to notify them of events happening with this UPS.

Figure 13 once again gives you the chance to review the Netwatch settings and verify that everything is set the way you want. Click "Finish" to install the files and start Netwatch.

Powerware NetWatch - C	onfiguration Wizard	×		
Finished Configuratio	n Wizard!			
Conver ID Address	100 00 170 141			
Server Name	100.33.170.141 DEV HPS			
Load Segment Name	Master			
Shutdown Method	Controlled Bu Shutdown Server			
Execute Batch File	No			
Log Messages	Yes			
Display Messages	Yes			
Broadcast Messages	No			
Powerware NetWatch has been successfully configured. Select FINISH to save your selections and start the NetWatch software. NetWatch can be re-configured at any time by clicking on the Powerware NetWatch icon in the Control Panel.				
	< <u>B</u> ack [Finish] Cance			

#### Figure 13

After the files are installed and Netwatch starts, you will see a notification (if the "Display Netwatch Event Messages on the Desktop" was not unchecked in Figure 12) as shown in Figure 14. This is the format that all Netwatch Event Notifications will take.

Powerware Message Popup			<u> </u>
Message Text	Number	Time First Received	
NetWatch: Connection Established with Shutdown Server	1	04/02/2008 04:28:28 PM	1
Message from NetWatch: Received 04/02/2008 04:28:28 PM NetWatch: Connection Established with Shutdown Server 166.99	3.170.141		
<u>C</u> lear Clear <u>A</u> ll		Message Number 1 c	of 1

Figure 14

Netwatch is now installed and running. If you need to make changes to these settings, you can access the configuration through the Netwatch Control Panel. On Windows XP, 2003 Server, Vista and 2008, you will need to stop and restart the Powerware Netwatch service in the services control panel.