
POWERVAR

Solutions for Power Quality

User's Guide and Reference

MopUPS[®] NSA NETWORK SHUTDOWN AGENT

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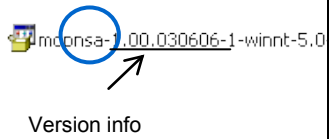
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INSTALLING MOPUPS NETWORK SHUTDOWN AGENT

PRE-INSTALL CHECKLIST

Before installing MopUPS Network Shutdown Agents you should be familiar with *Shutdown* concepts from pages II.22-25, *Remote Security* provisions explained on pages II.19, *Licensing* (page I.8).

INSTALLATION

	Windows	Unix	NetWare
	Log in as a user with <i>Administrator</i> privileges.	You must be logged in as "root"	Log in with <i>Administrator</i> rights.
From CD:	<p>If your system has <i>autorun</i> enabled, the install package will start automatically when the CD is mounted.</p> <p>If not, double-click the SETUP file in the CD root directory.</p>	<p>Mount the MopUPS CD. Change <code>dir</code> to your CD mount point. Type:</p> <pre>sh install.unix.sh.</pre> <p>Follow Instructions on screen.</p>	<p>From a Windows workstation, navigate to <code>mopups-nsa\netware</code> directory on the CD.</p> <p>Copy the .ZIP archive to your desktop. Follow directions below for download distribution.</p>
From Download:	<p>Download the file to your desktop and double-click the MopUPS P/R install icon.</p>  <p>Version info</p>	<p>The WEB distribution files are packaged with execute permissions <i>off</i>. To set execute permissions <i>on</i>, type:</p> <pre>chmod +x <filename></pre> <p>To run the GUI installer, type:</p> <pre>./<filename></pre> <p>NOTE: To install manually, download the non-executable package that is appropriate for your system and install according to your standard package installation procedure.</p>	<p>Download the .ZIP archive to your desktop and unzip it.</p> <p>Copy the CHLORIDE directory to the SYS: directory on the NetWare server.</p> <p>At the server console, type:</p> <pre>Load sys:\powervar\mopnsa\bin\setup.nlm</pre>

INSTALLATION CONT'D

A GUI install WIZARD is provided for Windows and UNIX.

Under NetWare, the INSTALL/SETUP utility uses the NWSNUT interface from Novell. The step sequence is the same as illustrated here.

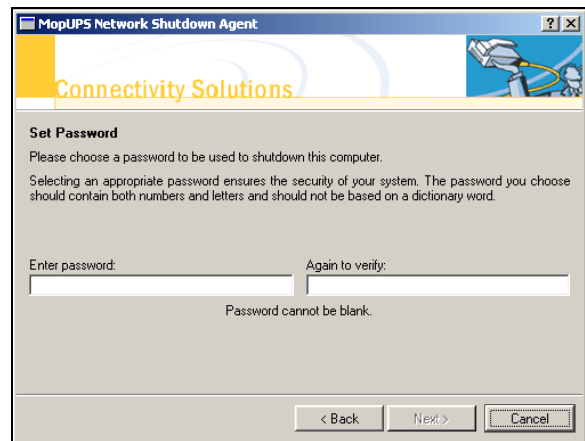
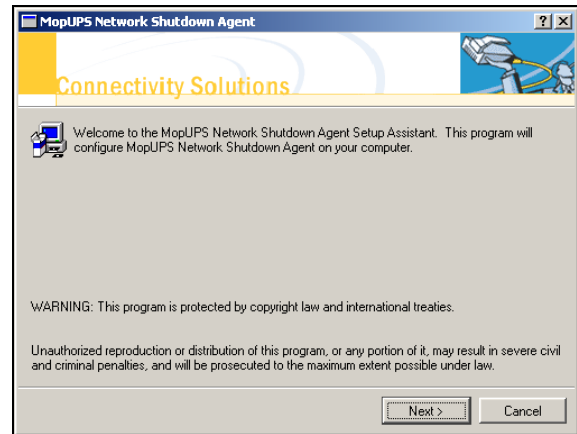
Security Password The password entered here will be required to open a connection to the MopUPS *service* via TCP/IP.

This password will be needed by MopUPS to enable the shutdown connection to this host. (See page II.25)

The **NEXT>** button will be enabled once the password string has been verified.

NSAL If this is your first installation of MopUPS NSA, you should choose to enter your NSAL license key manually.

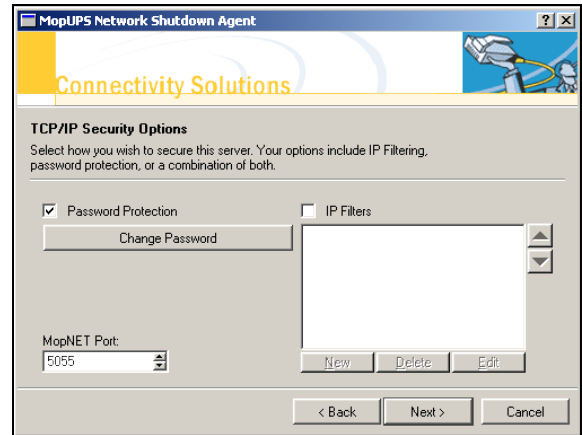
If you've already entered a multi-host NSAL key in a prior host installation, check the option to locate a license on the network and press **NEXT>**



TCP/IP Security For further security, you can change the default MOPNET port, or enable IP Filtering on the NSA service.

If you enable IP filtering, make sure to include an entry to allow connections from the IP address(s) assigned to the computers hosting MopUPS *master* service that will be configured to shutdown the computer hosting the NSA *"slave"* service.

See page II.19 for more information on IP filtering.



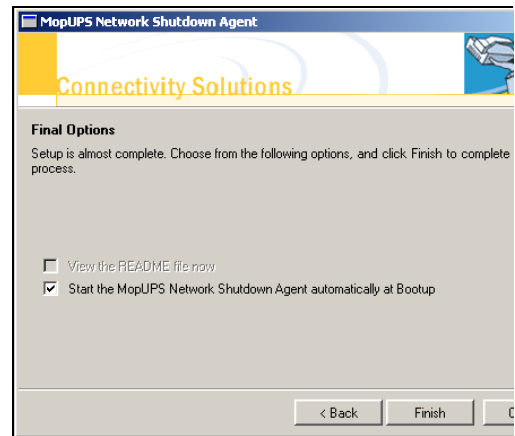
Autostart

The default configuration will cause the MopUPS service to *start automatically* whenever the Host is started.

Unchecking this box will result in the service requiring manual start.

Production environments are typically configured for automatic start.

Manual startup is sometimes useful in lab or evaluation situations.



Autostart under NetWare: To cause the NSA service to load automatically, you will need to make the following entry in the server `AUTOEXEC.NCF` file:

```
load sys:\powervar\mopnsa\bin\mopnsa.nlm
```

Manual start or stop

Windows:

Use the Windows *Service Control Manager*

UNIX:

The MopUPS NSA *Service* (daemon) can only be started or stopped from a "root" login.

To start or stop the MopUPS NSA daemon, type:

```
/opt/mopups/bin/mopnsa start
```

```
/opt/mopups/bin/mopnsa stop
```

NetWare:

The MopUPS NSA *Service* (NLM) can only be started or stopped from a "admin" login.

To start or stop the MopUPS NLM, type:

```
load sys:\\powervar\mopnsa\bin\mopnsa.nlm
```

```
unload sys:\\powervar\mopnsa\bin\mopnsa.nlm
```

APPENDIX A:

REMOTE SERVER SHUTDOWN UNDER NT/2000/XP

Suggested Methodology

1. Create a user account (MopUPS-PR) on the Master Host

AND ON EACH "Slave" Host to be shutdown by the master.

The password for the user account needs to be the same on all Hosts.

Configure this User account as a member of a group that has rights to *Force Shutdown From A Remote System*.

Typically, the *Administrators* group will have these rights.

To confirm that the *Administrator* group has these rights, navigate to the *Local Security Policy* control panel.

In the *Advanced User Management* dialog, be sure that:

“*User must change password at next logon*” option IS NOT selected

“*Password never expires*” IS selected

The screenshot shows the 'Add New User' dialog box with the following fields filled in: User name: MopUPS-PR, Full name: MopUPS-PR, and Description: RemoteShutdownMaster. The 'To continue, click Next.' button is visible at the bottom.

The screenshot shows the 'Add New User' dialog box with the 'Password:' and 'Confirm password:' fields filled with asterisks. The 'To continue, click Next.' button is visible at the bottom.

The screenshot shows the 'New User' dialog box with the 'Other' radio button selected and the 'Administrators' group chosen from the dropdown menu. The description for the Administrators group is visible: 'Administrators have complete and unrestricted access to the computer/domain'.

Administrative Tools

Configures administrative settings for your computer



Local Security Policy
Shortcut

Local Security Policy

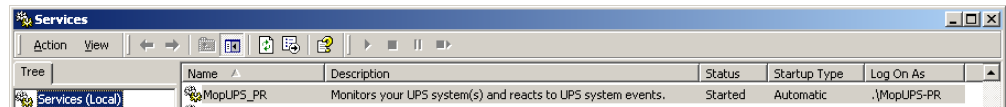
View and modify local security policy, such as user rights and audit policies.

The screenshot shows the 'MopUPS-PR Properties' dialog box with the 'General' tab selected. The 'Full name' is MopUPS-PR and the 'Description' is RemoteShutdownMaster. The following options are checked: 'User must change password at next logon', 'User cannot change password', and 'Password never expires'. The 'Account is disabled' and 'Account is locked out' options are unchecked.

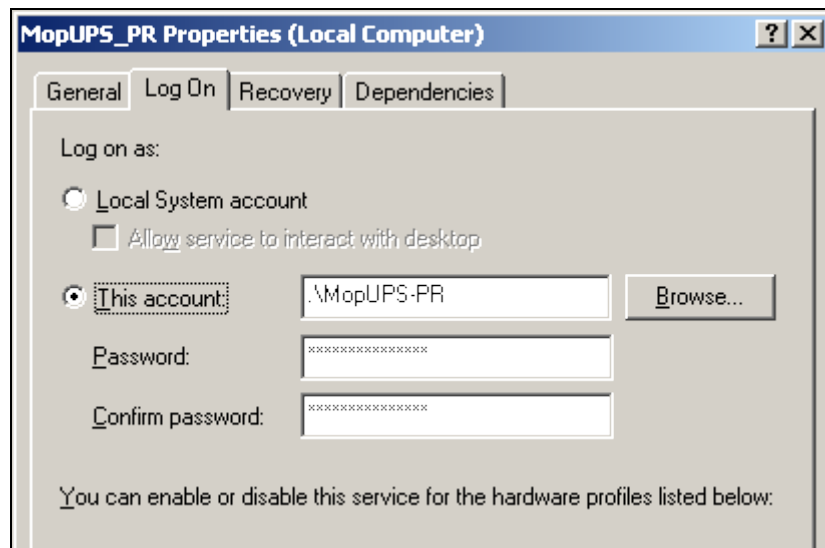
**Suggested
Methodology
Cont'd**

2. Configure the MopUPS service on the Master Host

Open the *Services* Control Panel and locate the MopUPS_PR service entry.



Right-click the MopUPS_PR service to access the service Properties dialog.



Configure the MopUPS-PR service to login using the Username and Password created in Step 1.

NOTE: *MopUPS* service must be stopped and then restarted before this change can take effect. The default startup type for *MopUPS* service is automatic.

