

# NetMAX™ Quick Upgrade Guide L2.4Pv4.0-1.0

## *NetMAX Server System Requirements*

The NetMAX software system supports most x86-based motherboards, including those distributed by popular manufacturers.

- NetMAX product version 3.0 or later of FireWall ProSuite, VPN Server Suite, or Professional Suite
- 2GB or larger hard disk drive (SCSI or IDE)
- Bootable CD-ROM drive (SCSI or IDE). The boot image will no longer fit on a floppy disk.
- PCI Ethernet Network Interface Card (NIC)

\*Please see the list of supported SCSI adapters and NICs available on our web site at [www.netmax.com](http://www.netmax.com).

## *NetMAX Client Requirements*

In order to access the web pages of the NetMAX server correctly, the client must meet the following minimum system requirements:

- Network Connectivity.** You will need to have an ethernet network connection between the NetMAX Server and a client computer. The client computer will use a web browser to install and administer the NetMAX Server. It is highly recommended that you begin with a single NIC in the NetMAX computer and use a crossover Ethernet cable between the NetMAX Server and the client computer. This will help to rule out any network hardware problems that you might otherwise encounter that would interfere with your network connection.
- Web Browser.** Netscape Navigator 4.x compatible web browser or Microsoft Internet Explorer 6.0 with Java and cookies enabled. (Microsoft Internet Explorer users should disable SSL 3.0 under Tools → Internet Options → Advanced)

## *Upgrading – Reading The Manual*

The complete product manual contains detailed installation and usage instructions and is available on the NetMAX software CD in portable document format (pdf). The manual can be viewed or printed from most any computer with a CDROM drive and a web browser with Adobe® Acrobat® Reader® (available from [www.adobe.com](http://www.adobe.com)) installed. Just insert the CD and browse to [CDROM]:\Install.htm where [CDROM] is your CDROM drive.

## *IMPORTANT – Before you Upgrade!*

Remove any license numbers for products not listed under NetMAX Server System Requirements from Home\System\License Management.

Replace any firewall rules with the type of “Both” with an “Input” rule and an “Output” rule, because the type “Both” is no longer valid in 4.x.

If you have VPN Road Warriors, they will no longer be able to connect without changes in NetMAX and the VPN Client. Aggressive mode authentication has been replaced with certificates

In theory, your network cards could switch order in NetMAX because of the new hardware detection method (kudzu), requiring you to switch cables

## *Upgrading – Quick Upgrade Guide*

To get started right away without reading the manual, in most cases you should be able to follow these quick steps to get your software upgraded.

Of the several methods for upgrading NetMAX software, the remote install method is the most direct and the easiest to perform. It is the preferred method for most users.

This upgrade method does not require that a keyboard, mouse, or monitor be attached to the NetMAX computer.

To continue, you’ll need to know what IP address you want to assign your NetMAX server, and your client computer will need to have an IP address on the same network. If your NetMAX will be acting as a router, please use the IP address that will be local to your network. More information on networking is available in the manual.

**STEP 1:** Place the NetMAX 4.x CD-ROM in the NetMAX machine that you want to upgrade.

**STEP 2:** From Home\System\Shutdown, select IMMEDIATE RESTART.

After the PC boots from the NetMAX CD-ROM (allow 3-5 minutes), it will begin to beep at the rate of once every five seconds.

If your Server does not begin beeping, refer to the manual’s Appendix B – *Trouble Shooting*.

**STEP 3:** Use the following “ARP/ping” procedure :

Windows 2000/XP or NT machine:

- Make sure you logged on as the user administrator.
- Click on Start and select Run.
- Type ‘cmd’ in the text box and click on OK.

Windows 95/98/ME machine:

- Click on Start and select Run.
- Type ‘command’ in the text box and click on OK.

(ARP/ping for UNIX machines is described in the manual in the Remote Install section.)

A command prompt window will open up where you will type the commands for the next few steps.

**STEP 4:** To configure the NetMAX server with its IP address, enter your NetMAX server's IP address into the ARP table using this command:

```
arp -s NetMAXIP 1-2-3-4-5-6
```

Where NetMAXIP is the IP address that you want to assign to your NetMAX server. For example:

```
arp -s 192.168.0.1 1-2-3-4-5-6
```

**STEP 5:** Ping your NetMAX server to give it its IP address using:

```
ping -n 5 NetMAXIP
```

Where NetMAXIP is the IP address from step 5. For example:

```
ping -n 5 192.168.0.1
```

The ping should time out, but the NetMAX should beep three times to let you know that it now has an IP address. A moment later, you will hear beep-beep, beep-beep, beep-beep from the NetMAX server letting you know that it is ready to be accessed via the web interface.

**IMPORTANT:** If your NetMAX is a router, you probably have more than one NIC installed. If you choose to ignore the advice of starting with only one NIC, you may need to swap your network cable, plugging it into each NIC on the NetMAX until you can perform STEP 5 successfully.

**STEP 6:** Remove the temporary ARP entry from the ARP table with this command:

```
arp -d NetMAXIP
```

Where NetMAXIP is the IP address from step 5. For example:

```
arp -d 192.168.0.1
```

**STEP 7:** Access the NetMAX Interface with your web browser at the URL:

```
https://NetMAXIP:5150
```

Where NetMAXIP is the IP address from step 5. For example:

```
https://192.168.0.1:5150
```

Your web browser will probably display an SSL warning or two. These are normal for the self-signed certificate on the NetMAX. Just "ok" them (usually by clicking on "YES").

**STEP 8:** Click on the [Click Here to Continue](#) link.

**STEP 9:** Read the License Agreement by clicking on the [License Agreement](#) link. Once you have read and understood the terms, check the box that says "By checking this box, I agree to follow..."

**STEP 10:** Select the "Upgrade the NetMAX System" radio box and click on CONTINUE.

**STEP 11:** Select the "Destination Disk" on which to upgrade the NetMAX software (should be IDE disk device a).

**STEP 12:** Select the "Source Device". This is the device containing the NetMAX CD-ROM. If there is only one CD-ROM connected to your NetMAX computer, only one option will appear.

**STEP 13:** Click on CONTINUE.

**STEP 14:** You will be shown a WARNING message notifying you that this is your last chance to back out of the upgrade. Click on START to start the upgrade.

**STEP 15:** Two progress bars appear: "Disk Preparation" and "System Extraction". The disk preparation should take a minute or two; system extraction may take approximately 7 to 15 minutes. The progress bars should update approximately every five seconds and display an updated status of time elapsed/remaining.

**STEP 16:** When the System Extraction is completed, read any text that might be displayed and click on IMMEDIATE SHUTDOWN.

**STEP 17:** When the NetMAX server emits a continuous tone, power off your NetMAX Server.

**STEP 18:** Power your NetMAX Server on again, and remove the NetMAX CD-ROM from the system.

**STEP 19:** Log in to the NetMAX Interface and perform the post-upgrade commit by clicking on COMMIT ALL.

## *After the Upgrade – Things to Check*

If your NetMAX's IP address is dynamically assigned through DHCP, the hostname will probably change to a more appropriate one.

All "Forward" and masquerade rules are disabled. Please review your custom firewall rules and update the configuration of these types of rules.

If you had rules enabled for an interface under Home|Network|Firewalls, please verify that they are still enabled. The check boxes sometimes get automatically unchecked during an upgrade.

Printers that are being shared will no longer work until you update the configuration for each under Home|Sharing|Printer Sharing

Make sure that the check box for "Consider all mail local for this domain" is checked on the MAIL tab for each domain that you handle mail for under Home|Network|Domains. This sometimes gets automatically unchecked during an upgrade

If you're running X, you will need to reconfigure it.