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Compaq Computer Corporation

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Novell NetWare for Small Business 4.2 Software Installation Instructions for Compaq Prosignia and ProLiant Servers

Abstract: This document provides instructions for installing the Novell NetWare for Small Business 4.2 software using Compaq SmartStart and Support Software on the following Compaq servers:

- Prosignia Server 720
- Prosignia Server 740
- ProLiant 400
- ProLiant 800
- ProLiant 1600
- ProLiant 1850R

IMPORTANT: This white paper includes instructions for Assisted Path Installation and Manual Path Installation. Compaq recommends the Assisted Path Installation, which automatically installs all Compaq support software.¹

¹ If Assisted Path Installation for Novell NetWare for Small Business 4.2 is **not** supported on your Compaq SmartStart and Support Software CD, follow the Manual Path Installation instructions.

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Novell NetWare for Small Business 4.2 Software Installation Instructions for Compaq Prosignia and ProLiant Servers

White Paper prepared by Small and Medium Business Segment

First Edition (July 1999)

Document Number 0346-0799-A

Introduction

This document provides instructions for installing Novell NetWare for Small Business 4.2 on the following Compaq servers:

- Prosignia Server 720
- Prosignia Server 740
- ProLiant 400
- ProLiant 800
- ProLiant 1600
- ProLiant 1850R

These instructions do not apply to other Compaq server models.

Requirements

IMPORTANT: For Year 2000 (Y2K) compliance, this software requires an additional Support Pack. You can download the latest Support Pack from the Novell support website (<http://support.novell.com>). You may also want to check this website for additional upgrades to the individual NetWare components.

Minimum Requirements

Table 1 and Table 2 list the minimum hardware and software requirements.

Table 1. Hardware Requirements

√	Hardware
<input type="checkbox"/>	Compaq Prosignia Server 720, Prosignia Server 740, ProLiant 400, ProLiant 800, ProLiant 1600, or ProLiant 1850R
<input type="checkbox"/>	64-MB RAM minimum (more RAM recommended)
<input type="checkbox"/>	Computer monitor, keyboard, and mouse
<input type="checkbox"/>	1 network interface adapter (embedded)
<input type="checkbox"/>	Hard drive with at least 2 GB free space
<input type="checkbox"/>	Diskette drive
<input type="checkbox"/>	Blank diskette(s) <ul style="list-style-type: none"> • At least 5 blank diskettes (optional) for Assisted Path Installation • 1 blank diskette (required) for Manual Path Installation
<input type="checkbox"/>	CD-ROM drive

Table 2. Software Requirements

√	Software
<input type="checkbox"/>	Novell NetWare for Small Business 4.2 <ul style="list-style-type: none">• 1 operating system CD• 1 client CD• 1 Groupwise CD• 1 License diskette
<input type="checkbox"/>	Compaq SmartStart and Support Software CD (supplied with the Compaq server)

Required Information

Table 3 lists additional information you need to know for the installation.

Table 3. Information Required for Installation

√	Information
<input type="checkbox"/>	Name of administrator for the Novell NetWare for Small Business 4.2 software
<input type="checkbox"/>	Name of the organization to use as Top Level NDS Tree Name and First Level Organization NDS Container

Assisted Path Installation

These instructions assume you are performing the installation for the first time. If Assisted Path Installation for Novell NetWare for Small Business 4.2 is **not** supported on your Compaq SmartStart and Support Software CD, follow the Manual Path Installation instructions.

Note: If you are installing the Novell NetWare for Small Business 4.2 software on a Prosignia Server 720 or ProLiant 400, note the IDE controller being used by the CD-ROM drive **before** the installation. You can check this setting by entering the F10 Setup during POST, and then by selecting Utility Storage/IDE devices. Check to see if the CD-ROM Drive 0 is on the Primary IDE Controller or the Secondary IDE Controller. You will need this information during the installation.

Table 4. Assisted Path Installation Instructions

Procedures	Steps
Booting the Compaq SmartStart and Support Software CD	<ol style="list-style-type: none"> Turn on the system; then insert the Compaq SmartStart and Support Software CD. The system restarts to the Compaq SmartStart and Support Software CD, and you will be prompted to enter the regional settings and the date and time. Select the language you want to use with SmartStart. From the pull-down menu, select the country and keyboard layout to be used with the server. Enter the date and time, and select or de-select the Daylight Savings option, as appropriate. Review the System Settings Summary. <ul style="list-style-type: none"> Click Back to make changes, or Click Continue to proceed with the server setup.
Selecting Assisted Path Installation	<ol style="list-style-type: none"> At the License Agreement screen, click I Agree and click OK. SmartStart prompts you to select an installation path. Assisted Integration Path is selected by default. Click Begin to start the assisted installation of NetWare for Small Business 4.2. When prompted, insert the Compaq Server Profile diskette into the diskette drive. (Ensure that the write-protect window on the diskette is closed). Then, click Next. The Operating System Selection screen appears. Double-click the Novell folder to view the options for Novell operating systems. Click the checkbox to the left of NetWare for Small Business 4.2 and click Next. The screen confirms your operating system selection. To change your operating system selection, click Back. When the selection is correct, click Continue. The system restarts to the Compaq SmartStart and Support Software CD.

continued

Table 4. Assisted Path Installation Instructions *(continued)*

Procedures	Steps
Selecting Assisted Path Installation <i>(continued)</i>	<p>12. Do one of the following:</p> <ul style="list-style-type: none"> • If there is a Compaq Smart Array Controller in your server, the Array Configuration Utility will load automatically. Proceed to step 13 to configure your RAID array. • If no Compaq Smart Array Controller is installed in your server, the system will automatically create the system partition, copy the System Configuration Utilities to the partition, and restart. Proceed to step 17. <p>The Compaq SmartStart Array Configuration Utility screen appears.</p> <p>13. Click the radio button next to Continue. Then, click Next.</p> <p>14. Make sure that the array controller is properly listed and highlighted in the listbox, and click Next.</p> <p>15. Select the desired RAID level and click Continue.</p> <p>16. To save the array configuration and continue the installation, click Finish.</p> <p>The system restarts, creates the system partition, and copies the System Configuration Utilities to the hard disk. Proceed to step 17.</p> <p>17. At the Software Selection screen, double-click the Compaq folder and make sure that all Compaq Support Software options are selected. Click Next to continue.</p> <p>The resulting screen summarizes the software to be installed. The selected Compaq Support Software options should be listed in the listbox, as well as NetWare for Small Business 4.2.</p> <p>18. Click Next to continue.</p> <p>The system copies the preinstallation files for NetWare onto the hard drive.</p> <p>19. When prompted, remove the Compaq SmartStart and Support Software CD and insert the Compaq Management CD. Click OK.</p> <p>NOTE: You must use the same version of the Compaq SmartStart and Support Software CD and the Compaq Management CD.</p> <p>The system copies the Insight Manager Agents from the Compaq Management CD to the hard drive.</p> <p>20. When prompted, remove the Compaq Management CD and reinsert the Compaq SmartStart and Support Software CD. Click OK.</p> <p>The Pre-Installation Interview screen appears, advising you that the system will now ask you questions to assist in the configuration of your server.</p> <p>21. Click Next to continue.</p> <p>The Automatic Server Recovery screen appears to assist you in configuring your server's autorecovery options.</p> <p>22. Click Next to continue.</p>

continued

Table 4. Assisted Path Installation Instructions (continued)

Procedures	Steps
Selecting Assisted Path Installation (continued)	<p>23. Configure Automatic Server Recovery on Compaq Prosignia Server 740, ProLiant 800, ProLiant 1600, and ProLiant 1850R.</p> <p>NOTE: If you are installing NetWare for Small Business 4.2 on a Compaq Prosignia Server 720 or ProLiant 400, all of the autorecovery options are grayed out. Automatic Server Recovery is not configurable on these servers. For other servers, use the default for configuration.</p> <p>24. Click Next to continue.</p> <p>The screen indicates that Automatic Server Recovery configuration is complete.</p> <p>25. Click Continue to proceed with server setup.</p> <p>The setup program prompts you to select Typical or Custom installation. Typical is the default and should be selected.</p> <p>26. Click Next to continue.</p> <p>27. When prompted, insert the NetWare for Small Business 4.2 License diskette into the diskette drive and click OK.</p> <ul style="list-style-type: none"> • You should receive this message: <i>A valid license was found on this diskette.</i> If so, proceed to step 28. • You may receive the following message: <i>The license you have supplied is not a valid NetWare license.</i> If so, stop the installation and contact Novell technical support to resolve the licensing issue. <p>28. When prompted, reinsert the Compaq Server Profile Diskette into the diskette drive and click OK.</p> <p>The NetWare Configuration Summary screen appears. If the setup has been performed properly:</p> <ul style="list-style-type: none"> • Installation type should be Typical • DOS partition size should be 75 MB • Updated driver location should be C:\NWUPDATE • Launch NetWare Installer should appear <p>29. Do one of the following:</p> <ul style="list-style-type: none"> • If the information is correct, click Continue. • If you need to change the configuration, click Back and change your selections. Then click Continue. <p>The Insight Manager screen appears to assist with the configuration of Compaq Insight Manager components.</p> <p>30. Click Next to continue.</p> <p>The screen allows you to select SNMP security options and optional components. By default, only Enable SNMP Sets is selected. This option is all that is required to manage the server from a workstation running Compaq Insight Manager. Click the Help button for descriptions of the optional features and install them if you want.</p>

continued

Table 4. Assisted Path Installation Instructions *(continued)*

Procedures	Steps
Selecting Assisted Path Installation <i>(continued)</i>	<p>31. Click Next to continue.</p> <p>The screen confirms that the Insight Management Agents have been configured.</p> <p>32. Click Continue to proceed.</p> <p>The screen indicates that the preinstallation interview is complete.</p> <ul style="list-style-type: none"> • To review the information, click the Summary button. • To make changes, click the Navigation button. <p>33. If the information is correct, click Continue.</p> <p>The next screen gives you the option to create System Support Software Diskettes.</p> <p>NOTE: Support software can now be run directly from the CD; therefore, there is no need to create diskettes.</p> <p>34. Click Continue to proceed.</p> <p>The system restarts to begin the installation of NetWare for Small Business 4.2. The Server Profile diskette and the Compaq SmartStart and Support Software CD both remain inserted during the restart.</p>
Beginning the Novell NetWare for Small Business 4.2 Installation	<p>35. When prompted, remove the Compaq SmartStart and Support Software CD and insert the NetWare for Small Business 4.2 Operating System CD. Click OK.</p> <p>The server restarts and automatically begins the NetWare installation.</p> <p>36. At the blue NetWare installation screen, highlight the language you want to install and press the Enter key.</p> <p>NetWare prompts you to select the type of installation you are performing.</p> <p>NOTE: This document assumes you are installing NetWare for Small Business 4.2 on a new server. If you are upgrading an existing system, follow the upgrade instructions provided by Novell.</p> <p>37. Select Install NetWare SB and press Enter.</p> <p>NetWare asks you for the Operating System License diskette.</p> <p>38. Remove the Server Profile diskette and insert the NetWare for Small Business 4.2 License diskette. Then, press Enter.</p> <p>39. The next screen asks if this server is the first server on the network.</p> <ul style="list-style-type: none"> • If this server is the first server on the network, proceed to step 40. • If you plan to add this server to an existing NDS Tree, you must know the following, then follow the <i>Novell Installation Manual</i>: <ul style="list-style-type: none"> <input type="checkbox"/> Name of the NDS Tree <input type="checkbox"/> Organization name <input type="checkbox"/> Distinguished (unique) name of the Admin NDS Object <input type="checkbox"/> Admin password

continued

Table 4. Assisted Path Installation Instructions (continued)

Procedures	Steps
Beginning the Novell NetWare for Small Business 4.2 Installation (continued)	<p>40. When asked, <i>Is this the first server on the network?</i> highlight Yes and press Enter.</p> <p>41. Enter the name of your organization and press Enter.</p> <p>42. Enter a unique name for the server and press Enter.</p> <p>NetWare now copies the installation files to the C:\NWSERVER directory. The server then automatically restarts and begins the main portion of the installation.</p>
Installing and Configuring the Drivers	<p>Disk and LAN drivers must be manually selected and configured for NetWare for Small Business 4.2. The necessary disk drivers are:</p> <ul style="list-style-type: none"> • CPQSCSI.HAM • IDEATA.HAM. <p>The CPQARRAY.HAM driver is also necessary if you have a Compaq Smart Array Controller installed in your server.</p> <p>43. Select CPQSCSI.HAM from the menu and press Enter.</p> <ul style="list-style-type: none"> • For Compaq Prosignia Server 720 or ProLiant 400: <ul style="list-style-type: none"> <input type="checkbox"/> Highlight Select/ Modify Driver Parameters and press Enter. <input type="checkbox"/> Enter 1 for the slot number and press Enter. <input type="checkbox"/> Press the F10 key to save the changes. <input type="checkbox"/> Highlight Save Parameters and Continue and press Enter. <p>IDE and array drivers must also be installed manually. Proceed to step 44.</p> • For Compaq Prosignia Server 740, ProLiant 800, ProLiant 1600, or ProLiant 1850R: <ul style="list-style-type: none"> <input type="checkbox"/> The server detects the two embedded SCSI controllers on the system board and prompts you to select the correct drivers. <input type="checkbox"/> Select the CPQSCSI.HAM driver each time you are prompted. <p>NetWare binds the drivers to the embedded controllers without prompting you for slot numbers. The IDE controller also automatically detects and loads the IDEATA.HAM driver. Proceed to step 47 to install the LAN driver.</p> <p>44. When asked, <i>Do you want to select an additional disk driver?</i> highlight Yes and press Enter.</p> <p>45. Select IDEATA.HAM from the menu and press Enter.</p> <p>NOTE: At this point, refer back to the information from the F10 System Setup utility.</p> <ul style="list-style-type: none"> • If the CD-ROM drive was Drive 0 on the Primary IDE Controller, the default values of Port Value 1F0 and Interrupt E are correct. • If the CD-ROM drive was Drive 0 on the Secondary IDE Controller, the default values must be changed. Change the Port Value to 170 and the Interrupt to F.

continued

Table 4. Assisted Path Installation Instructions *(continued)*

Procedures	Steps
Installing and Configuring the Drivers <i>(continued)</i>	<p>46. Highlight Save Parameters and Continue and press Enter.</p> <p>47. Do one of the following:</p> <ul style="list-style-type: none"> • If you do not have a Compaq Smart Array Controller, proceed to step 53. • If you have a Compaq Smart Array Controller installed in your server, you must install the CPQARRAY.HAM driver. Proceed to step 48. <p>48. When asked, <i>Do you want to select an additional disk driver?</i> highlight Yes and press Enter.</p> <p>49. Select CPQARRAY.HAM from the menu and press Enter.</p> <p>50. Highlight Select/ Modify Driver Parameters and press Enter.</p> <p>51. Enter the slot number value and press the F10 key to save the settings. NOTE: For the Compaq Prosignia Server 720 and ProLiant 400, the array controller must be in slot 3.</p> <p>52. Highlight Save Parameters and Continue and press Enter.</p> <p>53. When asked, <i>Do you want to select an additional disk driver?</i> highlight No and press Enter.</p> <p>54. You are then prompted to select a LAN driver.</p> <ul style="list-style-type: none"> • For Prosignia Server 720 or ProLiant 400: <ul style="list-style-type: none"> <input type="checkbox"/> Select N100.LAN Compaq 10/100 TX PCI Intel WOL UTP Controller and press Enter. <input type="checkbox"/> Highlight Select/ Modify Driver Parameters and press Enter. <input type="checkbox"/> Enter 102 in the slot number parameter field and press F10 to save the settings. (There is no need to change default parameters for Speed, Force Duplex, or IO Map Mode.) <input type="checkbox"/> Select Save Parameters and Continue and press Enter. <p>The drivers are then loaded for the Compaq Prosignia Server 720 or ProLiant 400 built-in LAN card. If you have other Compaq LAN cards installed in your server, refer to the documentation included with the card to load the appropriate NetWare driver.</p> • For Prosignia Server 740, ProLiant 800, ProLiant 1600, or ProLiant 1850R, NetWare automatically detects and loads the CPQNF3.LAN driver. No user intervention is required. <p>55. When asked, <i>Do you want to select an additional LAN driver?</i> highlight No and press Enter.</p> <p>NetWare now loads the selected drivers. This takes several minutes. Please wait.</p> <p>NetWare then loads the Preliminary File Copy to the SYS:\System directory.</p>

continued

Table 4. Assisted Path Installation Instructions *(continued)*

Procedures	Steps
Completing the Novell NetWare for Small Business 4.2 Installation	<p>56. When prompted, select the appropriate Time Zone and press Enter. NetWare creates the NDS Schema and loads the Main File Copy.</p> <p>57. When prompted, remove the NetWare for Small Business 4.2 CD, insert Compaq Management CD, and press Enter. Compaq Management Agents are copied to the SYS:\System directory.</p> <p>58. When you receive the second prompt to insert the Compaq Management CD, simply press Enter.</p> <p>59. When asked if you want to restart the server to complete the NetWare installation, highlight Yes and press Enter.</p> <p>60. When prompted, remove any diskettes and CDs from their drives and press Enter.</p> <p>NetWare restarts and the installation is complete.</p>

Manual Path Installation

These instructions assume you are performing the installation for the first time.

Note: If you are installing the Novell NetWare for Small Business 4.2 software on a Prosignia Server 720 or ProLiant 400, note the IDE controller being used by the CD-ROM drive **before** the installation. You can check this setting by entering the F10 Setup during POST, and then by selecting Utility Storage/IDE devices. Check to see if the CD-ROM Drive 0 is on the Primary IDE Controller or the Secondary IDE Controller. You will need this information during the installation.

Table 5. Manual Path Installation Instructions

Procedures	Steps
Booting the Compaq SmartStart and Support Software CD	<ol style="list-style-type: none"> 1. Turn on the system, and insert the Compaq SmartStart and Support Software CD. The system restarts to the Compaq SmartStart and Support Software CD, and you will be prompted to enter the regional settings and the date and time. 2. Select the language you want to use with SmartStart. 3. From the pull-down menu, select the country and keyboard layout to be used with the server. 4. Enter the date and time, and select or deselect the Daylight Savings option, as appropriate. 5. Review the System Settings Summary. <ul style="list-style-type: none"> • Click Back to make changes, or • Click Continue to proceed with the server setup.
Selecting Manual Configuration Installation	<ol style="list-style-type: none"> 6. SmartStart prompts you to select an installation path. Assisted Integration Path is selected by default. 7. Click the radio button to the left of the Manual Configuration option and click Begin. The Operating System Selection screen appears. 8. Double-click the Novell folder to view the options for Novell operating systems. 9. Click the checkbox to the left of NetWare for Small Business 4.2 and click Next. The screen confirms your operating system selection. 10. To change your operating system selection, click Back. If the selection is correct, click Continue. The system restarts to the Compaq SmartStart and Support Software CD.

continued

Table 5. Manual Path Installation Instructions *(continued)*

Procedures	Steps
Selecting Manual Configuration Installation <i>(continued)</i>	<p>11. Do one of the following:</p> <ul style="list-style-type: none"> • If you have a Compaq Smart Array Controller installed in your server, the system loads the Array Configuration Utility, and the Unconfigured Controller Wizard screen appears. Proceed to step 12. • If no Compaq Smart Array Controller is installed in your server, the system automatically creates the system partition, copies the System Configuration Utilities to the partition, and restarts the server. The Diskette Builder screen appears. Proceed to step 18. <p>12. Click Next to start the Wizard. The Operating System Settings window appears. IntranetWare/ NetWare 3.12 or later should already be selected.</p> <p>13. If it is not already selected, click the radio button to the left of IntranetWare/ NetWare 3.12 or later and click Next.</p> <p>14. Select the desired RAID level and click Next. When the Configuration Preview window appears, confirm your RAID selection.</p> <p>15. To change your RAID selection, click Back. When the selection is correct, click Next.</p> <p>16. To complete the array configuration, click Save Configuration Now. The screen displays the finished RAID configuration.</p> <p>17. From the Main menu, click the Controller option, scroll to the bottom of the menu, and click Exit. The server restarts, automatically creates the system partition, and copies system configuration files to the partition. Then, the Diskette Builder screen appears. NOTE: Compaq Support Software can be run directly from the Compaq SmartStart and Support Software CD. Therefore, there is no need to create diskettes.</p> <p>18. Click Continue to proceed. The Manual Installation screen appears.</p> <p>19. Click Next to continue.</p>

continued

Table 5. Manual Path Installation Instructions *(continued)*

Procedures	Steps
Creating a Bootable DOS Diskette	<p>You will need one 3.5-inch, 1.44-MB high-density diskette to create a Dr-DOS bootable diskette.</p> <p>20. At the option screen, select Create Bootable DOS Diskette and Copy Compaq CD-ROM Drivers to DOS Diskette. Click Next.</p> <p>21. When prompted, insert the NetWare for Small Business 4.2 License diskette into the diskette drive and click OK.</p> <ul style="list-style-type: none"> • You should receive this message: <i>A valid license was found on this diskette.</i> If so, proceed to step 22. • You may receive the following message: <i>The license you have supplied is not a valid NetWare license.</i> If so, stop the installation and contact Novell technical support to resolve the licensing issue. <p>22. When prompted, remove the License diskette and insert a blank, formatted, 3.5-inch 1.44-MB diskette into the diskette drive. Then, click OK.</p> <p>23. Click OK again to begin building the Dr-DOS boot diskette. The system copies the Compaq CD-ROM drivers to the boot diskette.</p> <p>24. Place a check mark in the box to the left of Modify AUTOEXEC.BAT and CONFIG.SYS files and click OK.</p> <p>25. After the CD-ROM drivers are copied to the diskette, click Save to save the new AUTOEXEC.BAT and CONFIG.SYS files. SmartStart Manual Path Installation is now complete. Remove the SmartStart and Support Software CD. However, keep the newly created Dr-DOS diskette in the diskette drive for the restart.</p> <p>26. Click Continue to proceed with the installation. The system restarts from the Dr-DOS diskette.</p>

continued

Table 5. Manual Path Installation Instructions (continued)

Procedures	Steps
Creating and Formatting the DOS Partition	<p>You must now manually create and format the DOS partition on the hard drive.</p> <p>27. From the A:\ prompt, type CD DOS and press Enter.</p> <p>28. From the A:\DOS prompt, type FDISK and press Enter.</p> <p>29. From the FDISK Main Menu, type 1 to select Create Partition. A new menu appears.</p> <p>30. From the new menu, type 1 to select Create DOS Primary Partition.</p> <p>31. Type N (for No). You do not want the DOS Primary Partition to use all available disk space.</p> <p>32. When prompted to enter disk size in megabytes, type 75 and press Enter.</p> <p>33. Type Y (for Yes). Accept the default cylinders assigned to the partition by Dr-DOS. Dr-DOS tests the blocks in the assigned cylinders.</p> <p>34. When prompted for a disk label, enter a label of up to eleven characters and press Enter, or simply press Enter for no label. The FDISK Main Menu reappears. Make sure that Drive C: is 75 MB, Status A, and Type PRI DOS.</p> <p>35. Press the Esc key to save the partition changes.</p> <p>36. Press Enter to restart the system. The system restarts to the Dr-DOS boot disk.</p> <p>37. At the A:\ prompt, type CD DOS and press Enter.</p> <p>38. At the A:\DOS prompt, type FORMAT C: /S/X and press Enter. A warning message states that all data will be destroyed.</p> <p>39. When prompted to continue, type Y (for Yes).</p> <p>40. When prompted for a disk label, enter a label of up to eleven characters and press Enter, or simply press Enter for no label.</p> <p>41. Change to C: drive by typing C: at the prompt and pressing Enter.</p> <p>42. From the C:\ prompt, create DOS and NWUPDATE directories by using these commands:</p> <ul style="list-style-type: none"> • MD DOS (Press Enter) • MD NWUPDATE (Press Enter)

continued

Table 5. Manual Path Installation Instructions *(continued)*

Procedures	Steps
Copying Necessary Files	<p>43. From the C:\ prompt, type COPY A:*.* and press Enter. This copies AUTOEXEC.BAT, COMMAND.COM, CONFIG.SYS, and SUMMARY.TXT to the C: drive.</p> <p>44. From the C:\ prompt, change to the DOS directory by typing CD DOS and pressing Enter.</p> <p>45. From the C:\DOS prompt, type COPY A:\DOS*.* and press Enter.</p> <p>46. When the file copy is complete, go back to the C:\ prompt by typing CD and pressing Enter.</p> <p>47. From the C:\ prompt, change to the NWUPDATE directory by typing CD NWUPDATE and pressing Enter.</p> <p>48. Reinsert the Compaq SmartStart and Support Software CD into the CD-ROM drive. NOTE: From a Windows workstation, read the Help file under the CPQSUPSW\NSSD directory for specific instructions on which files you need to copy for your particular version of SmartStart.</p> <p>49. From the C:\NWUPDATE directory, execute the following commands one at a time:</p> <ul style="list-style-type: none"> • COPY E:\CPQSUPSW\NSSD\NETWORK*.* (Press Enter) • COPY E:\CPQSUPSW\NSSD\DRV_ARRAY*.* (Press Enter) • COPY E:\CPQSUPSW\NSSD\FIBRE*.* (Press Enter) • COPY E:\CPQSUPSW\NSSD\IDE\3X_4X*.* (Press Enter) • COPY E:\CPQSUPSW\NSSD\NWPA\4X*.* (Press Enter) • COPY E:\CPQSUPSW\NSSD\SCSI*.* (Press Enter) • COPY E:\CPQSUPSW\NSSD\SMP\4X*.* (Press Enter) <p>All necessary files have now been copied to the C: drive. You are ready to begin the installation of NetWare for Small Business 4.2.</p>

continued

Table 5. Manual Path Installation Instructions *(continued)*

Procedures	Steps
Beginning the Novell NetWare Small Business 4.2 Installation	<p>50. Remove the Compaq SmartStart and Support Software CD from the CD-ROM drive and insert the NetWare for Small Business 4.2 operating system CD.</p> <p>51. From the C:\NWUPDATE directory, change to the E: drive by typing E: and pressing Enter.</p> <p>52. At the E:\ prompt, type INSTALL and press Enter.</p> <p>53. At the blue NetWare Installation screen, highlight the language you want to install and press Enter.</p> <p>NetWare now prompts you to select the type of installation you are performing.</p> <p>NOTE: This document assumes you are installing NetWare for Small Business 4.2 on a new server. If you are upgrading an existing system, please follow the upgrade instructions provided by Novell.</p> <p>54. Select Install NetWare SB and press Enter.</p> <p>NetWare prompts you for the Operating System License diskette.</p> <p>55. Remove the Dr-DOS boot diskette and insert the NetWare for Small Business 4.2 License diskette. Press Enter.</p> <p>56. The next screen asks if this server is the first server on the network.</p> <ul style="list-style-type: none"> • If this server is the first server on the network, proceed to step 57. • If you plan to add this server to an existing NDS Tree, you must know the following, then follow the Novell Installation Manual: <ul style="list-style-type: none"> <input type="checkbox"/> Name of the NDS Tree <input type="checkbox"/> Organization name <input type="checkbox"/> Distinguished (unique) name of the Admin NDS Object <input type="checkbox"/> Admin password <p>57. When asked, <i>Is this the first server on the network?</i> highlight Yes and press Enter.</p> <p>58. Enter the name of your organization and press Enter.</p> <p>59. Enter a unique server name and press Enter.</p>

continued

Table 5. Manual Path Installation Instructions *(continued)*

Procedures	Steps
Installing the Drivers	<p>Disk and LAN drivers must be manually selected and configured for NetWare for Small Business 4.2. The necessary disk drivers are:</p> <ul style="list-style-type: none"> • CPQSCSI.HAM • IDEATA.HAM <p>CPQARRAY.HAM is also necessary if you have a Compaq Smart Array Controller.</p> <p>60. Select CPQSCSI.HAM from the menu and press Enter.</p> <ul style="list-style-type: none"> • For Compaq Prosignia Server 720 or ProLiant 400: <ul style="list-style-type: none"> <input type="checkbox"/> Highlight Select/ Modify Driver Parameters and press Enter. <input type="checkbox"/> Enter 1 for the slot number and press Enter. <input type="checkbox"/> Press the F10 key to save the changes. <input type="checkbox"/> Highlight Save Parameters and Continue and press Enter. <p>IDE and array drivers must also be installed manually. Proceed to step 61.</p> • For Compaq Prosignia Server 740, ProLiant 800, ProLiant 1600, or ProLiant 1850R: <ul style="list-style-type: none"> <input type="checkbox"/> The server detects the two embedded SCSI controllers on the system board and prompts you to select the correct drivers. <input type="checkbox"/> Select the CPQSCSI.HAM driver each time you are prompted. <p>NetWare binds the drivers to the embedded controllers without prompting you for slot numbers. The IDE controller also automatically detects and loads the IDEATA.HAM driver. Proceed to step 64 to install the LAN driver.</p> <p>61. When asked, <i>Do you want to select an additional disk driver?</i> highlight Yes and press Enter.</p> <p>62. Select IDEATA.HAM from the menu and press Enter.</p> <p>NOTE: At this point refer back to the information from the F10 System Setup Utility.</p> <ul style="list-style-type: none"> • If the CD-ROM drive was Drive 0 on the Primary IDE Controller, the default values of Port Value 1F0 and Interrupt E are correct. • If the CD-ROM drive was Drive 0 on the Secondary IDE Controller, the default values must be changed. Change the Port Value to 170 and the Interrupt to F. <p>63. Highlight Save Parameters and Continue and press Enter.</p>

continued

Table 5. Manual Path Installation Instructions *(continued)*

Procedures	Steps
Installing the Drivers <i>(continued)</i>	<p>64. Do one of the following:</p> <ul style="list-style-type: none"> • If you do not have a Compaq Smart Array Controller, proceed to step 70. • If you have a Compaq Smart Array Controller installed in your server, you must install the CPQARRAY.HAM driver. Proceed to step 65. <p>65. When asked, <i>Do you want to select an additional disk driver?</i> highlight Yes and press Enter.</p> <p>66. Select CPQARRAY.HAM from the menu and press Enter.</p> <p>67. Highlight Select/ Modify Driver Parameters and press Enter.</p> <p>68. Enter the slot number value and press F10 key to save the settings.</p> <p>NOTE: For the Compaq Prosignia Server 720 or ProLiant 400, the array controller must be in slot 3.</p> <p>69. Highlight Save Parameters and Continue and press Enter.</p> <p>70. When asked, <i>Do you want to select an additional disk driver?</i> highlight No and press Enter.</p> <p>71. You are then prompted to select a LAN driver.</p> <ul style="list-style-type: none"> • For Compaq Prosignia Server 720 or ProLiant 400: <ul style="list-style-type: none"> <input type="checkbox"/> Select N100.LAN Compaq 10/100 TX PCI Intel WOL UTP Controller and press Enter. <input type="checkbox"/> Highlight Select/ Modify Driver Parameters and press Enter. <input type="checkbox"/> Enter 102 in the slot number parameter and press F10 to save the settings. (There is no need to change default parameters for Speed, Force Duplex, or IO Map Mode.) <input type="checkbox"/> Select Save Parameters and Continue and press Enter. <p>The drivers are then loaded for the Prosignia Server 720 or ProLiant 400 built-in LAN card. If you have other Compaq LAN cards installed in your server, refer to the documentation included with the card to load the appropriate NetWare driver.</p> • For Compaq Prosignia Server 740, ProLiant 800, ProLiant 1600, or ProLiant 1850R, NetWare automatically detects and loads the CPQNF3.LAN driver. No user intervention is required. <p>72. When asked, <i>Do you want to select an additional LAN driver?</i> highlight No and press Enter.</p> <p>NetWare loads the selected drivers. This takes several minutes. Please wait.</p> <p>NetWare then loads the Preliminary File Copy to the SYS:\System directory.</p>

continued

Table 5. Manual Path Installation Instructions *(continued)*

Procedures	Steps
Installing the Drivers <i>(continued)</i>	<p>73. When prompted, select the appropriate Time Zone and press Enter. NetWare creates the NDS Schema and loads the Main File Copy. The NetWare for Small Business 4.2 installation is finished.</p> <p>74. Power down the server and restart.</p> <p>You must now install Compaq Support Software and Insight Manager Agents for NetWare.</p>
Installing Compaq Support Software for NetWare	<p>75. Insert the Compaq SmartStart and Support Software CD into the CD-ROM drive.</p> <p>76. At the NetWare console prompt, type LOAD CDROM and press Enter.</p> <p>77. After the CDROM.NLM loads, mount the Compaq SmartStart and Support Software CD as a NetWare volume by typing CD MOUNT ALL at the console prompt.</p> <p>78. After the Compaq SmartStart and Support Software CD is mounted as a NetWare volume, enter the NetWare Install Utility by typing LOAD INSTALL at the console prompt.</p> <p>79. At the Install Options screen, highlight Product Options and press Enter.</p> <p>80. In the Other Installation Actions box, highlight Install a product not listed and press Enter.</p> <p>81. Press F3 to enter the installation path.</p> <p>82. Enter CPQSMSTxxx:\CPQSUPSWNSSD for the installation path and press Enter.</p> <p>NOTE: Where xxx indicates the version of the Compaq SmartStart and Support Software you are using. For example, CPQSMST423 specifies Compaq SmartStart and Support Software version 4.23. This volume name will depend on the version you are using.</p> <p>83. At the Compaq Support Software Utility screen, press Enter to continue.</p> <p>84. Highlight Compaq NWPA Storage Drivers and press F5 to select it.</p> <p>85. Also highlight ODI Network Support and press F5 to select it.</p> <p>86. Press the Tab key to bring up the main menu.</p> <p>87. Highlight Install Selected Files and press Enter.</p> <p>88. If given the option to downgrade existing files, select Never downgrade any files and press Enter.</p> <p>89. When the file copy is complete, select Reboot Server and press Enter.</p> <p>90. Confirm the restart by highlighting Yes and pressing Enter.</p> <p>91. When prompted, remove diskettes and CDs from the server drives and press Enter to restart.</p> <p>The server restarts. Now you must install the Compaq Integrated Maintenance Utility and Insight Manager Agents for NetWare.</p>

continued

Table 5. Manual Path Installation Instructions *(continued)*

Procedures	Steps
Installing Compaq Insight Manager Agents	<p>92. Insert the Compaq SmartStart and Support Software CD into the CD-ROM drive.</p> <p>93. At the console prompt, type LOAD CDROM.</p> <p>94. After the CDROM.NLM loads, mount the Compaq SmartStart and Support Software CD as a NetWare volume by typing CD MOUNT ALL at the console prompt.</p> <p>95. Enter the NetWare Install Utility by typing LOAD INSTALL at the console prompt.</p> <p>96. Select Product Options and press Enter.</p> <p>97. Select Install a product not listed and press Enter.</p> <p>98. Press F3 to enter the installation path.</p> <p>99. Enter CPQSMSTxxx:\SSNWCIMU for the installation path and press Enter.</p> <p>NOTE: Where xxx indicates the version of the Compaq SmartStart and Support Software you are using. For example, CPQSMST423 specifies Compaq SmartStart and Support Software version 4.23. This volume name will depend on the version you are using.</p> <p>100. At the Welcome screen of the Compaq Integrated Maintenance Utility, Press Enter to continue.</p> <p>NOTE: To install the Compaq Insight Manager Agents, the Compaq SmartStart and Support Software CD must be removed, and the Compaq Management CD must be loaded and mounted as a NetWare volume.</p> <p>101. Press Alt+Esc to return to the server console prompt.</p> <p>102. Type UNLOAD CDROM at the prompt.</p> <p>103. Remove the Compaq SmartStart and Support Software CD from the CD-ROM drive and insert the Compaq Management CD.</p> <p>104. At the prompt, type LOAD CDROM.</p> <p>105. After the CDROM.NLM has reloaded, mount the Compaq Management CD by typing CD MOUNT ALL at the console prompt.</p> <p>106. After the Compaq Management CD is mounted as a NetWare volume, press Alt+Esc to access the Integrated Maintenance Utility screen.</p>

continued

Table 5. Manual Path Installation Instructions *(continued)*

Procedures	Steps
Completing the Installation	<p>107. From the Main menu, select Product Installation. Then, press Enter.</p> <p>108. From the Source menu, select Install Software from CD-ROM only and press Enter.</p> <p>109. From the Vendors menu, select Compaq and press Enter.</p> <p>110. From the Available Products menu, select Compaq Insight Management Agents version xxx Source [MGMTxxx...].</p> <p>NOTE: Where xxx indicates the version of the Compaq Management Software you are using. For example, MGMT423 specifies Compaq Management Software version 4.23. This volume name will depend on the version you are using.</p> <p>111. At the Dependency List screen, press Esc to continue.</p> <p>NSSD is now installed.</p> <p>112. When prompted to Continue Product Install, select Yes and press Enter.</p> <p>113. When the Agents Options box appears, select Copy New Compaq NetWare Agents to SYS:\System.</p> <p>114. Accept the default Agents to be Loaded and press Esc to exit and continue.</p> <p>115. When asked, <i>Do you want to keep these changes?</i> highlight Yes and press Enter.</p> <p>116. You will later configure the SNMP Community Strings using INETCFG.NLM. Press Enter to continue.</p> <p>117. At the Global Agent Configuration screen, press Esc to accept the default configuration.</p> <p>118. Select Yes when asked to keep the changes and press Enter.</p> <p>119. At the CPQHOST and CPQNCSA screen, press Esc to accept the defaults and continue.</p> <p>120. When prompted to save changes, select Yes and press Enter.</p> <p>121. At the CPQTHRSA Settings screen, press Esc to accept the defaults and continue.</p> <p>122. When prompted to save changes, select Yes and press Enter.</p> <p>123. When prompted to write changes to CPQSNMP.NCF, select Yes and press Enter.</p>

continued

Table 5. Manual Path Installation Instructions *(continued)*

Procedures	Steps
Completing the Installation <i>(continued)</i>	124. To configure the SNMP Community Strings, type LOAD INETCFG at the console prompt and press Enter . 125. From the INETCFG Menu, select Manage Configuration and press Enter . 126. From the Manage Configuration Menu, select Configure SNMP Parameters . Then press Enter . 127. Set the Monitor Community , Control Community , and Trap Community fields to public (all lowercase letters). 128. Press Esc to exit and continue. 129. When prompted to save changes, select Yes and press Enter . 130. Remove the Compaq Management CD from the CD-ROM drive. 131. Turn off and restart the server for the changes to take effect. Installation of NetWare for Small Business 4.2 and Compaq Support Software is now complete.