



PLATO[®] Pathways System Installation Instructions

for Novell Netware[®] Networks

Version 4.3

Inspired solutions for teaching and learning.[™]

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General Information

Purpose This document walks you through the process of installing the PLATO Pathways system on a Novell NetWare[®] network.

System requirements Your network file server and workstations should meet PLATO Pathways system and configuration requirements.

Requirements are updated occasionally. Always refer to the requirements page at <http://support.plato.com/requirements.asp> on the PLATO Support Services web site for the most current requirements.

Note for Windows Vista™ Users

Windows Vista-only networks are not compatible with Novell servers. If you must support a Novell server, you need at least one non-Vista workstation to employ as the administrator workstation for installation. Administrators of Windows Vista-only networks are advised to refer to the system requirements and **PLATO[®] Pathways User's Guide for Windows Vista™** for more information.

Materials Along with this document, you will need the following to install your PLATO Pathways system:

- PLATO Pathways version 4.3 CD (located behind the *PLATO Pathways Installation Materials* tab of your kit)
 - Courseware/License Install CD (located behind the *Courseware Installation Materials* tab in your kit)
-

Continued on next page

General Information, Continued

Knowledge requirements for network administrators

Before you install PLATO Pathways, a Novell network administrator (or a person with equivalent knowledge and ability) must meet the network Knowledge Requirements for preparing the network, which include the following:

- How to navigate through screens on the Novell NetWare server and other Novell Netware operating system interface and network fundamentals.
- How context, volume objects, and property rights work.
- How to create, use, and manage login scripts.
- How to create a user and assign full rights to the user (read, write, erase, create, modify, and file scan).
- How to verify that a drive letter is mapped to the SYS:\PUBLIC directory on your NetWare Server.
- How to map network drives to the volume on which PLATO Pathways is installed.
- How to install or configure network clients and protocols.
- How to synchronize system dates and times of the file server and workstations.
- How to determine the hard drive space available for installing PLATO Pathways system and courseware.
- How to run a backup after PLATO Pathways is installed.
- How Windows[®] XP Autoplay feature works if you are using Windows XP.

Note If someone else (a PLATO lab administrator or teacher) will be performing the installation after the network has been prepared, you must know how to create a network login for the installer that provides the person with administrator rights. Administrator rights are required to install the PLATO Pathways system and courseware.

Continued on next page

General Information, Continued

Knowledge requirements for installers

The person who installs PLATO Pathways must have administrator access to the file server and workstation, and have the following knowledge and ability:

- How to navigate the workstation operating system, including how to use the mouse, select menus, and choose options.
 - How to find files or folders.
 - How to log on to the network with administrator rights, which are required to install PLATO Pathways system and courseware.
 - How to log on to a Windows[®] 2000/XP workstation as an administrator.
 - How to disable the screen saver, antivirus software, and security software programs if they are running on the workstation.
 - How to determine free hard disk space.
 - How to install software from a CD.
-

Preparing the Network

Introduction Before you can install PLATO Pathways, your network administrator or a person who has a working knowledge of Novell NetWare concepts and procedures must prepare your Novell network and file server.

How to As a Novell network administrator, make sure you are in the same context as the volume objects. If you are not in the same context, obtain object and property rights to the volume where you intend to install PLATO Pathways. To prepare your file server and network, follow the steps below at the locations indicated.

On the server

Step	Action
1	Disable screen saver, antivirus software, and security software programs at your file server, if applicable. Keep these disabled until you complete the entire system and courseware installation process for PLATO Pathways.
2	Log in to your NetWare server as <i>admin</i> or an administrator equivalent. It is critical that you log in to the server as a user with Admin rights.
3	Create a folder named PLATO on the volume where you intend to install PLATO Pathways. Note All users who will run PLATO Pathways must have rights (except Supervisor and Access Control) to this folder.

Continued on next page

Preparing the Network, Continued

How to (continued)

On the workstation where you will be installing PLATO Pathways and courseware

Step	Action												
4	<p>Verify that you have a search drive mapped to SYS:PUBLIC. To do so, follow the steps below.</p> <table border="1" data-bbox="565 653 1386 919"> <thead> <tr> <th data-bbox="573 663 662 695">Step</th> <th data-bbox="662 663 1386 695">Action</th> </tr> </thead> <tbody> <tr> <td data-bbox="573 695 662 726">1</td> <td data-bbox="662 695 1386 726">Open a command prompt.</td> </tr> <tr> <td data-bbox="573 726 662 758">2</td> <td data-bbox="662 726 1386 758">Enter Map.</td> </tr> <tr> <td data-bbox="573 758 662 831">3</td> <td data-bbox="662 758 1386 831">Verify a drive is mapped to the SYS:\PUBLIC directory on your NetWare Server.</td> </tr> <tr> <td data-bbox="573 831 662 863">4</td> <td data-bbox="662 831 1386 863">Enter Path.</td> </tr> <tr> <td data-bbox="573 863 662 915">5</td> <td data-bbox="662 863 1386 915">Verify the drive displays in the path.</td> </tr> </tbody> </table>	Step	Action	1	Open a command prompt.	2	Enter Map .	3	Verify a drive is mapped to the SYS:\PUBLIC directory on your NetWare Server.	4	Enter Path .	5	Verify the drive displays in the path.
Step	Action												
1	Open a command prompt.												
2	Enter Map .												
3	Verify a drive is mapped to the SYS:\PUBLIC directory on your NetWare Server.												
4	Enter Path .												
5	Verify the drive displays in the path.												
5	<p>Map drive Q: to the folder where you installed PLATO Pathways (as determined in step 3).</p> <p>Notes We recommend you use drive Q:; however, you may want to use a different drive. Whatever drive you choose, use it consistently in place of Q: throughout your installation.</p> <p>If you use a subdirectory, you must map all workstations to the root of the directory in which the \PWAY folder is located, not to the PWAY folder.</p>												
6	<p>Map all workstations that you will use to run PLATO Pathways (as you did in step 5).</p>												
7	<p>Verify that the system dates and times at the file server and at all workstations are synchronized.</p> <p>CAUTION If the system dates and times on the workstations and file server are not synchronized, PLATO Pathways databases may become corrupt and report data maybe incorrect.</p>												

Installing the PLATO Pathways System

Introduction

Perform the following tasks to complete a PLATO Pathways System installation:

- Install the PLATO Pathways system (the software that manages PLATO courseware).
 - Set up your workstations to run PLATO Pathways.
-

Before you install

Before you install the PLATO Pathways system, verify the following:

- Your network administrator has set up the file server accordingly. For more information, see the *Preparing the Network* section on page 4.
- Your network administrator has given you the required administrator rights to perform the installation.
- If practical, your network administrator has disabled any screen saver, antivirus software or security software programs that are running on the server.
- The workstation you will use to install PLATO Pathways is mapped to the network drive on which PLATO Pathways will be installed.
- Close all applications and disable any screen saver, antivirus software, and security programs that are running on the workstation.

When you verify the above steps are done, continue with the installation.

Requirements

Your network file server workstations should meet PLATO Pathways system and configuration requirements.

Requirements are updated occasionally. Always refer to the PLATO Support Services web site requirements page at <http://support.plato.com/requirements.asp> for the most current requirements.

Continued on next page

Installing the PLATO Pathways System, Continued

Assumptions The installation of PLATO Pathways System software assumes the following:

- The installation is performed by or under the supervision of a qualified Novell Administrator with full rights to the server.
 - The server meets minimum PLATO specifications including sufficient memory commensurate with the total hard drive capacity.
 - All applicable service packs are installed.
 - The server has sufficient drive space to install the purchased PLATO package, with at least 20 percent of the total drive space remaining after installation.
 - Only necessary protocols and services are enabled on the server in order to assure optimum server performance.
 - A backup device is functioning on the network with a capacity greater than the PLATO program size.
 - All workstations meet processor speed and memory requirements.
 - The latest Novell workstation client for the version of Netware Server operating system in use is installed on each workstation. Insure all necessary client service packs are applied to each workstation.
-

How to To install your PLATO Pathways system software in a Novell network, follow the steps below.

Step	Action
1	On the same workstation from which you prepared the network, log in to the server as a user with Supervisor rights.
2	Insert the Pathways CD and close the drive door. If autorun is enabled, the installation process will begin. If autorun is not available, select Run from the Start menu and in the command box type D:\SETUP.EXE . Substitute your CD-ROM drive letter if it is different.

Continued on next page

Installing the PLATO Pathways System, Continued

How to (continued)

Step	Action								
3	<p>Refer to the table below to determine your next step.</p> <table border="1"> <thead> <tr> <th>If...</th> <th>Then...</th> </tr> </thead> <tbody> <tr> <td>the Adobe® Acrobat® License Agreement screen displays,</td> <td>go to step 4.</td> </tr> <tr> <td>the Adobe Acrobat License Agreement window does not display,</td> <td>open your CD-ROM drive, and then double-click SETUP.EXE. Go to step 4.</td> </tr> <tr> <td>a message displays indicating you must update settings,</td> <td>click OK to restart your system. Repeat steps 1 and 2. Go to step 4.</td> </tr> </tbody> </table>	If...	Then...	the Adobe® Acrobat® License Agreement screen displays,	go to step 4.	the Adobe Acrobat License Agreement window does not display,	open your CD-ROM drive, and then double-click SETUP.EXE . Go to step 4.	a message displays indicating you must update settings,	click OK to restart your system. Repeat steps 1 and 2. Go to step 4.
If...	Then...								
the Adobe® Acrobat® License Agreement screen displays,	go to step 4.								
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a message displays indicating you must update settings,	click OK to restart your system. Repeat steps 1 and 2. Go to step 4.								
4	<p>Click OK to accept the Adobe Acrobat license agreement.</p> <p>Result The Welcome screen displays.</p>								
5	<p>Click Next on the Welcome screen.</p> <p>Result The Select Destination Directory screen displays.</p>								
6	<p>Click Browse to open the Select Destination Directory dialog box if Q:\PWAY does not display.</p>								
7	<p>Select the mapped network drive where you intend to install PLATO Pathways and name it PWAY, if necessary. Click OK.</p>								
8	<p>Click Next on the Close Other Programs dialog box.</p>								
9	<p>Click Next on the Ready to Install dialog box.</p> <p>Result The installation begins copying files</p>								
10	<p>Click Next on the Welcome screen.</p> <p>Result Files copy.</p>								

Continued on next page

Installing the PLATO Pathways System, Continued

How to (continued)

Step	Action						
11	<p data-bbox="542 457 1214 489">Refer to the table below to determine your next step.</p> <table border="1" data-bbox="565 514 1386 888"> <thead> <tr> <th data-bbox="565 514 976 550">If...</th> <th data-bbox="976 514 1386 550">Then...</th> </tr> </thead> <tbody> <tr> <td data-bbox="565 550 976 701">the workstation from which you are installing PLATO Pathways has DirectX® installed,</td> <td data-bbox="976 550 1386 701">select the Full-screen using DirectX option. Click Next.</td> </tr> <tr> <td data-bbox="565 701 976 888">you are not sure whether the workstation from which you are installing PLATO Pathways has DirectX installed,</td> <td data-bbox="976 701 1386 888">select the Don't use full-screen option. Click Next.</td> </tr> </tbody> </table> <p data-bbox="542 915 634 947">Result</p> <p data-bbox="542 951 1062 982">The installation automatically continues.</p> <p data-bbox="542 1010 1377 1119">Note If you want, you can change the full-screen options later. For more information about doing so, refer to <i>Appendix A: Using the Full-Screen Option</i> on page 17.</p>	If...	Then...	the workstation from which you are installing PLATO Pathways has DirectX® installed,	select the Full-screen using DirectX option. Click Next .	you are not sure whether the workstation from which you are installing PLATO Pathways has DirectX installed,	select the Don't use full-screen option. Click Next .
If...	Then...						
the workstation from which you are installing PLATO Pathways has DirectX® installed,	select the Full-screen using DirectX option. Click Next .						
you are not sure whether the workstation from which you are installing PLATO Pathways has DirectX installed,	select the Don't use full-screen option. Click Next .						
12	Click Yes to place a shortcut to Pathways on your desktop.						
13	<p data-bbox="542 1163 1377 1234">Follow the steps below to install QuickTime® 6. We recommend you accept all default settings.</p> <p data-bbox="542 1262 1406 1367">Note If you receive a prompt stating you have a newer version of QuickTime, click OK to continue—do not uninstall the QuickTime version you have.</p>						
14	Click Next on the Indeo® Video Interaction Setup screen.						
15	Click Yes to accept the license agreement.						
16	Click OK when the Workstation Setup Complete dialog box displays.						
17	Click OK on the Installation Finished dialog box and follow the prompts.						
18	<p data-bbox="542 1600 867 1631">Restart your workstation.</p> <p data-bbox="542 1671 634 1703">Result</p> <p data-bbox="542 1707 1377 1774">When your workstation restarts, the Novell network logon dialog box displays.</p>						

Continued on next page

Installing the PLATO Pathways System, Continued

How to (continued)

Step	Action
19	At the Netware admin console, create a user named <i>pathways</i> . Note All users may log in as <i>pathways</i> since a home directory is not required for Pathways users. You can select an existing user or users.
20	Grant the chosen user all rights (except Supervisor and Access Control) to the directory PWAY under PLATO on the server. You can add a login script to automatically map the necessary drive to the PLATO resource at each login.

Setting up Your Workstations

Introduction After you install the PLATO Pathways system, you must set up each networked workstation to allow students to access PLATO Pathways.

How to You must complete the following tasks at each workstation that students will use to run PLATO Pathways:

- Map the drive to the PLATO share and run the workstation setup program to create a shortcut icon.
- Create the *pathways* user profile, map the network drive, and assign correct permissions using SETPERMS.VBE.

Task 1 — Map drive and run workstation setup program to create shortcut.

Step	Action						
1	Log on to the workstation as an administrator.						
2	Map a drive to the PLATO share, if you have not already done so.						
3	Use My Computer to open the drive PLATO Pathways is installed on and then open the \PWAY folder. Double-click WSETUP.EXE , which runs the workstation setup program. Note During the WSETUP process, some workstations may generate a dialog box displaying the message “Confirm File Replace.” Select the No to all option. The WSETUP process will continue.						
4	Click Next on the Welcome screen.						
5	Refer to the table below to determine your next step. <table border="1" data-bbox="565 1430 1386 1619" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>If...</th> <th>Then...</th> </tr> </thead> <tbody> <tr> <td>you know DirectX is installed on the workstation,</td> <td>choose Full-screen using DirectX.</td> </tr> <tr> <td>you are not sure that DirectX is installed,</td> <td>choose the Don't use full-screen option.</td> </tr> </tbody> </table> Result The installation automatically continues.	If...	Then...	you know DirectX is installed on the workstation,	choose Full-screen using DirectX .	you are not sure that DirectX is installed,	choose the Don't use full-screen option.
If...	Then...						
you know DirectX is installed on the workstation,	choose Full-screen using DirectX .						
you are not sure that DirectX is installed,	choose the Don't use full-screen option.						
6	Click Yes when you are prompted to place a Pathways shortcut icon on the desktop.						

Continued on next page

Setting up Your Workstations, Continued

How to (continued)

Task 1 continued

Step	Action
7	Follow prompts to install QuickTime [®] 6. We recommend you accept all the default settings. Note If you receive a prompt stating you have a newer version of QuickTime, click OK to continue—do not uninstall the QuickTime version you have.
8	Click Next on the Indeo [®] Video Interaction Setup screen.
9	Click Yes to accept the license agreement.
10	Select No on the read release notes message.
11	Click OK when the workstation setup completes.
12	Click Yes when you are prompted to restart the computer.

Task 2 — Create user profile, map drive, and assign correct permissions.

Step	Action
13	After the computer restarts, log on to the workstation as the user <i>pathways</i> . A <i>pathways</i> user profile will automatically be created when you log on. Note You or your network administrator created the <i>pathways</i> user in the <i>Installing the PLATO Pathways System</i> section of the installation instructions.
14	Map drive Q: to the PLATO share. Note If your network drive letter is different than Q:, substitute your network drive letter for Q:. Important Mapping drive Q: in this step is different from mapping the workstation drive while you were logged on as an administrator in task 1. While you are logged in as the user <i>pathways</i> , you must map your drive to the PLATO share to give the <i>pathways</i> user access to PLATO Pathways.

Continued on next page

Setting up Your Workstations, Continued

How to (continued)

Task 2 continued

Step	Action
15	Log off the workstation as the user <i>pathways</i> .
16	Log back on to the workstation as an administrator.
17	Locate and double-click the SETPERMS.VBE file in the Tools folder on your Pathways 4.3 CD to run the SETPERMS utility.
18	<p>If you have already installed all of your PLATO courseware, click Yes to continue.</p> <p>Result A message displays explaining what the SETPERMS utility will do.</p>
19	Click Yes to continue.
20	Select the drive on which PLATO Pathways is installed, then click OK .
21	<p>Enter the User or Group used for PLATO Pathways, then click OK.</p> <p>Result A message displays, reporting that permissions will be set for the User or Group you selected.</p>
22	<p>Click Yes to continue.</p> <p>Note Please wait while the utility runs. When the utility is finished, the following message displays:</p> <p>Workstation permissions are now set for user/group... Click OK to exit.</p>

Continued on next page

Setting up Your Workstations, Continued

How to (continued)

Task 2 continued

Step	Action
23	Click OK .
24	<p>The workstation is now configured and ready to run PLATO Pathways.</p> <p>Repeat steps 17-23 at each workstation that needs to be configured to run PLATO Pathways.</p> <p>Note If you see the following message:</p> <p>Unable to move the current user's PLATO Pathways icon to the All Users Desktop!</p> <p>either the PLATO Pathways shortcut was not found in the current user's desktop folder or the shortcut is already in the All Users folder. If the shortcut does not appear in the C:\DOCUMENTS AND SETTINGS\ALL USERS\DESKTOP folder, then you must copy the shortcut to that location from where it was installed.</p>

Backing up PLATO Pathways

Introduction Once you install the PLATO Pathways System software and courseware, set up each workstation, and configure each workstation, you need to back up the entire \PWAY directory, including all its files and subfolders. Please see your network administrator if you need help.

Frequency Make sure you or your network administrator run frequent backups on a routine basis. As part of your backup routine, you may wish to run a minimum backup instead of a full backup of PLATO Pathways from time to time.

What should I back up? At a minimum, you must back up the following files and folders on the file server:

- **:\PWAY\DB** (contains user information, student data)
 - **:\PWAY\PRIVATE** (contains user information, student data)
 - **:\PWAY\PRIVDB** (contains user information, student data)
 - **SYSID.PWY** (an important system file for Pathways on networks)
 - **WCMISYS.INI** (an important system initialization file for Pathways on networks)
-

Appendix A: Using the Full-Screen Option

Introduction When you run the setup program (WSETUP.EXE) for the first time at a workstation, you are prompted to choose a full-screen option. The Full-Screen Option allows you to display your Windows-based PLATO courseware in a full-size window using Microsoft DirectX® or GDI.

DirectX DirectX was created by Microsoft to give multimedia-rich programs better and faster performance. You may or may not already have DirectX installed on your Windows workstation.

Graphical Device Interface (GDI) Graphical Device Interface is a Windows standard for representing graphical objects and transmitting them to output devices such as monitors and printers.

Recommended We recommend using the latest version of DirectX if you want your PLATO courseware to run in a full-size window.

Note

Using GDI to change your screen size or resolution may alter the entire desktop.

Continued on next page

Appendix A: Using the Full-Screen Option, Continued

Turning off the Full-Screen option

If you want to turn off your full-screen option or try a different option, follow the steps below at the workstation.

CAUTION

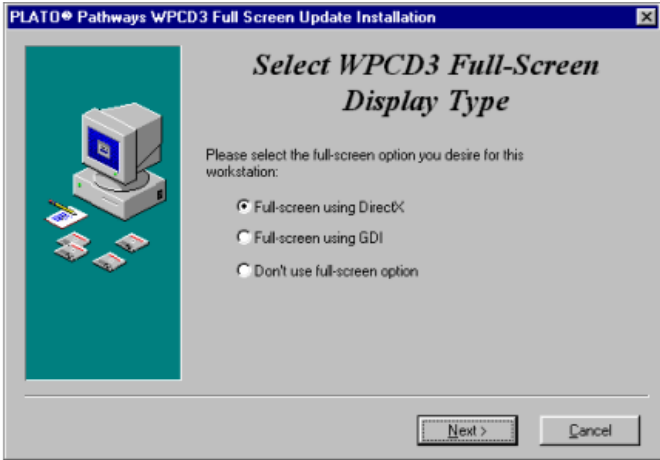
Do not perform these steps at a file server!

Step	Action
1	At the workstation you want to change, disable any screen saver, antivirus software, or security software programs you have running.
2	Open the C: drive in My Computer or Windows Explorer, then open the \WINDOWS or \WINNT folder.
3	Right-click on the \PWAY folder , then click Delete . CAUTION Be very careful! Do not delete the entire WINDOWS or WINNT folder. Only delete the \PWAY folder, which is <i>inside</i> the WINDOWS or WINNT folder.
4	Delete the C:\WINNT\WCMIWS.INI file or C:\WINDOWS\WCMIWS.INI file. CAUTION Be very careful! Do not delete the entire WINDOWS or WINNT folder! Only delete the WCMIWS.INI file, which is <i>inside</i> the \WINDOWS or \WINNT folder.

Continued on next page

Appendix A: Using the Full-Screen Option, Continued

Turning off the Full-Screen option (continued)

Step	Action
5	<p>Use My Computer or Windows Explorer to navigate to the drive PLATO Pathways is installed on and then open the \PWAY folder. Double-click WSETUP.EXE.</p> <p>Result The workstation setup program starts and the Full-Screen Update Installation dialog box displays.</p> 
6	Choose the option you wish, then click Next .
7	Click Yes when you are prompted to create a Pathways shortcut icon on the desktop.
8	<p>Follow the prompts to complete the QuickTime installation.</p> <p>Note If you receive a prompt stating you have a newer version of QuickTime, click OK to continue—do not uninstall the QuickTime version you have.</p>
9	Restart your workstation when you are prompted to do so.

Appendix B: Contacting PLATO Support Services

Introduction If you have a software support contract with PLATO Support Services, you have a number of options to help keep your PLATO system running smoothly. These options include a support website, email access, software upgrades and courseware enhancements, and a help desk staffed by experienced analysts.

Preparation If you contact PLATO Support Services, please be prepared to provide your unique PLATO ID number that is included on a set of stickers behind the *Support Services* tab in your PLATO Pathways kit.

If you cannot locate your unique PLATO ID, please email support@plato.com to request your ID number and sticker set.

Methods of contacting PLATO Support Services If you experience problems or have questions at any time, you can contact PLATO Learning Support using the following methods:

- Web site: <http://support.plato.com>
 - Request Center: <http://support.plato.com/email>
 - Email address: support@plato.com
 - Phone number: 800.869.2200
-

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