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<th>PRODUCT:</th>
<th>PART/ASSEMBLY:</th>
<th>OPTIONAL UPGRADE KIT:</th>
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<tbody>
<tr>
<td>NUR Fresco HiQ</td>
<td>SW UG for NUR Fresco HiQ</td>
<td>P/N: 10-0977</td>
</tr>
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</table>

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<th>DESCRIPTION OF CHANGE:</th>
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<td>3-Apr-03</td>
<td>Installing Windows XP Ghost, FPP Driver, PrinTop 1.51 and NUR Flush Ver1.2</td>
</tr>
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</table>

<table>
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<tr>
<th>SOFTWARE AFFECTED:</th>
<th>IMPLEMENTATION:</th>
<th>PREPARED BY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>☑ YES ☐ NO</td>
<td>☑ ON REQUEST ☐ IMMEDIATE ☐ NEXT CALL ☐ ON FAILURE</td>
<td>Alex Davidson</td>
</tr>
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<table>
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<th>MATERIAL DISPOSITION:</th>
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<tr>
<td>☑ CONDITIONAL</td>
<td>☑ N/A ☐ USE AS SPARE ☐ DISCARD ALL ☐ DISCARD SELECTIVELY (refer to Mat'l Disposition) ☐ SEND BACK FOR REWORK</td>
</tr>
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<table>
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<tr>
<th>PROJECT MANAGER:</th>
<th>ENGINEERING MANAGER:</th>
<th>ICS MANAGER:</th>
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<tbody>
<tr>
<td>SIGNATURE/DATE</td>
<td>SIGNATURE/DATE</td>
<td>SIGNATURE/DATE</td>
</tr>
</tbody>
</table>

Read this document carefully before implementing the upgrade!
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**1. Purpose**

The purpose of this document is to guide you through the software upgrade. This upgrade involves installing the Ghost of Windows XP Professional™ operating system on the Dell PowerEdge 1300™ Workstation and the applications PrinTop1.51™ and NUR Flash 1.2™.

**2. Windows XP Ghost Installation**

Installing the Ghost of Windows XP Professional on the Dell PowerEdge 1300 Workstation is a simple procedure that involves following a simple GUI and Wizard.

⚠️ **Warning:** Upon installing the Windows XP Professional, your hard drive will be erased. Ensure to backup any files that you want to save before installing the new operating system.

To install Ghost of Windows XP Professional:

1. Verify that your Dell PowerEdge 1300 is in its original configuration. If it is not in its original configuration, reconfigure the computer back to its original configuration.

2. Locate the Ghost Software Kit for Dell PowerEdge 1300 (P/N: 51-0016). Insert the Windows XP Professional Ghost CD #1 into your CD ROM drive.

3. Restart your computer.

   The *About Norton Ghost* window appears when your computer restarts with the license number **62B16FE69C7D** displayed.

4. Write down this number for later use.

5. Click **OK**. A menu appears.

6. From the menu, select **Local > Disk >From Image**. Click **OK**.

   The *File name to load image from* window appears.
7. In the **Look In:** field, select the **D:** drive. 
   XP.GHO appears in the list.

8. Select **XP.GHO**.
   The *Enter Norton Ghost 2002* window appears.

9. In the text box, type the license number mentioned in step 4 above and click **OK**.
   The *Select local destination drive by clicking drive number* window appears.

10. Click **OK**.
    The *Destination drive details* window appears.

11. Click **OK**.
    A confirmation dialog box appears.

   **⚠️ Warning:** Proceeding onward from this point erases your entire hard drive. Ensure that all of your important files have been backed up.

12. Click **Yes**.
    The *Norton Ghost* window appears and a Ghost of Windows XP Professional begins installation on your computer. This process takes approximately 25 minutes. When approximately 70% of the upload has been completed, the *Span Volume [1] Done* window appears.

13. Remove the Ghost CD #1 from your CD ROM drive and replace it with Ghost CD #2 (from the Ghost Software Kit for Dell PowerEdge 1300—P/N: 51-0016) and click **OK**.
    The Ghost continues installation for approximately five more minutes and the *Clone Complete* window appears.

14. Remove Ghost CD #2 from your CD ROM drive and select **Restart Computer**.
    The computer restarts with Windows XP Professional operating system installed and the *Welcome to Microsoft Windows* window appears.

15. Click **Next**.
    The *License Agreement* window appears.

16. Select **Yes, I accept** and click **Next**.
    The *Is this a genuine copy of Microsoft Windows?* window appears.
17. On your original Windows XP Professional CD packaging, locate the Product key on the white sticker.

![Product Key Highlighted](image)

**Figure 1: CD Package with Product Key Highlighted**

18. In the field, type this Product Key and click **Next**.
   
   The *What's your computer’s name?* window appears
   
   🚫 Note: Remove the Product Key sticker from the packaging and stick it on the side of the PC.

19. Leave the computer name as it appears in the **Computer Name** field (or change it if desired).

20. In the **Computer Description** field, add a description if desired and click **Next**.
   
   The *What’s your administrator’s password?* window appears.

21. In the **Administrator Password** field, type a password of your choice.

22. In the **Confirm Password** field, type the same password again to confirm and click **Next**.
   
   The *How will this computer connect to the Internet?* window appears.

23. Contact your System Administrator to confirm which type of Internet connection to select and select this option.
   
   The *Ready to activate Windows?* window appears.
24. Select **Yes, activate Windows over the Internet now** and click **Next** if you have set up your Internet connection already. Windows Activation begins. See Activating Windows for detailed instructions on activating Windows.

-OR-

Select **No, remind me every few days** and click **Next** to activate later if you have not yet set up your Internet connection or you would like to perform activation at a later date.

*Note: Make sure you activate Windows, on the behalf of the customer, before leavening the site!*

*Note: If it is impossible to activate Windows at the time that you are on site, the customer can still use Windows XP Professional for up to 30 days before performing activation. The customer will be reminded to activate Windows every few days during this time period. Make sure the customer performs activation before the 30-day time period has expired.*

25. In the fields, type at least one user’s name and any secondary users if desired and click **Next**.

The **Thank You!** window appears, signaling that installation of the Windows XP Professional Ghost is complete.

26. Click **OK**.

The **Found New Hardware** wizard is activated, signaling that the new operating system has identified the presence of the FPP card in the computer.
3. FPP Driver Installation

At this point, Windows XP Professional installation is complete. However, the FPP driver must be installed, since the new operating system has identified the existence of new hardware.

3.1 Installing the FPP driver

Install the FPP driver as follows:

1. The Found New Hardware wizard is activated and the Install screen appears.
   - Note: If the pop-up window fails to appear click Start > Settings > Control Panels > Add/Remove Programs to access the screen.

![Figure 2: Install Screen](image)

2. Select **Install from a list or specific location (Advanced)** and click **Next**. The Choose Search and Install Option window appears.
3. Select **Don't search, I will choose the driver to install** and click Next. The Hardware Type window appears.

4. Ensure that **Show All Devices** is selected and click Next. The Device Driver window appears.
5. In your kit, locate the PrinTop ver. 1.51 for Fresco HiQ CD (P/N: 10-0977).

6. Select {Standard CD-Rom drives} and click Have Disk. The Update Driver Warning message will appear, click Yes

7. The Install From Disk dialog box appears.
8. Click **Browse** The Locate File dialog box appears.

![Locate File Dialog Box](image1)

9. Locate **Plotpro.inf** in the PrinTop 1.51 file, select it, and click **Open**. The Select Device Driver window appears.

![Select Device Driver Screen](image2)

10. Click **Next**.

11. Click **Finish** and restart the computer.
3.2 Updating the FPP Driver (Plotpro.inf)

Once installed, the FPP driver must be updated.

To update the FPP diver:

1. Click **Start > Settings > Control Panel > System**. The System Properties screen appears with the General tab selected.

2. Click the Hardware tab.

![System Properties Window with Device Manager Tab](image)

3. Click **Device Manager**. The Device Manager window appears.
4. Select **Plotpro**. The Plotpro Properties window appears with the General tab selected.

   ![Plotpro Icon](image)

   **Figure 11: Device Manager Screen**

   **Note:** The PlotPro Icon may appear with a quotation mark, which no longer appears once you have completed this section.

   ![Update Driver Window](image)

   **Figure 12: Update Driver Window**
5. Click the Driver tab then click **Update Driver**. The Hardware Update Wizard begins.

![Hardware Update Wizard](image)

**Figure 13: Hardware Update Wizard**

6. Select **Install from a list or specific location (Advanced)**, and click Next. The Search Installation Options window appears.

![Installation Options Screen](image)

**Figure 14: Installation Options Screen**

7. Select **Don't search, I will choose the driver to install**, and click Next. The Select Device Driver window appears.
8. Click Have Disk. The Install From Disk dialog box appears.

![Figure 15: Select Device Driver Screen](image)

9. Click Browse. The Locate File dialog box appears.

![Figure 16: Install From Disk Dialog Box](image)

10. Locate Plotpro.inf in the Plotpro Drive folder, select it, and click Open.

11. Click OK > Next > Finish to complete the installation.

12. Restart your workstation.
4. Installing the PrinTop Application

Insert PrinTop ver. 1.51 for Fresco HiQ CD (P/N: 51-0015) into the CD ROM drive and follow the installation wizard.

5. Redefine the FPP Board Addresses (PLX Burn)

Note: Make sure that the AGP Controller is enabled (do not disable it!).

The FPP Board Addresses must be redefined, by burning the programmable chip unit (PLX).

To redefine the FPP Board addresses:

1. In the upgrade kit, locate the Bootable Floppy disk (FPP PLX Burn) (P/N: 51-0018) for later use.

2. Redefine the workstation to reboot from the floppy drive, as follows:
   - Press the F2 key during the first stage of workstation startup.
   - Scroll to page 2.
   - Select Boot Sequence and change it to Diskette First.

3. Turn off the workstation.

4. Insert floppy disk

5. Turn on the workstation, and let it startup from the floppy disk.

6. Follow the steps described in the table below:

<table>
<thead>
<tr>
<th>Line Appears</th>
<th>Write Command</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>A&gt;</td>
<td>set_mon=read_test4.txt (*)</td>
<td>Press Enter</td>
</tr>
<tr>
<td>A&gt;</td>
<td>plxmon.exe</td>
<td>Press Enter</td>
</tr>
<tr>
<td>&amp;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&amp;&amp;</td>
<td>dev</td>
<td>Press Enter</td>
</tr>
<tr>
<td>&amp;</td>
<td>eep_0 (zero) (*)</td>
<td>Press Enter</td>
</tr>
</tbody>
</table>

(*) The underscore “_” indicates a space (do not type the underscore key).

7. Remove the floppy disk from the drive.

8. Reboot the workstation.
6. Setting Power Option Properties to ‘Never’

At this point, you must set the workstation power options to ensure that the workstation is never turned off.

To set Power Option Properties to ‘Never’:
1. From the Start Menu, select Control Panel.
2. Double-click Power Options.
   The Power Options Properties screen appears.

3. From the Turn off monitor list, select Never.
4. From the Turn off hard disks list, select Never.
5. Click OK.
   The required power settings have been set.

7. Installing NUR Flash 1.2

Install the NUR Flash SW on the customer’s RIPping station. Refer to the NUR Flash Release Notes (P/N: 68-5005 and P/N: 68-5006) provided in the kit for installation instructions.
8. Activating Windows

Windows activation ensures that each Windows product is not installed on more than the limited number (usually one) of computers allowed in the software's end user license agreement. Product activation and product registration are separate procedures. Activation is completely anonymous and requires no personally identifiable information, while registration required personal information such as contact details.

During activation, you can also register your copy of Windows. Though registration is not required; registering your copy ensures that you receive product support, product update information, and other benefits.

The customer has a 30-day grace period in which to activate Windows product installation. If the grace period expires and you have not completed activation, all features will stop working, aside from the product activation feature.

To activate Windows on the Internet or by phone:

6. From the Start menu, click Programs > Accessories > System Tools > Activate Windows.

7. Follow the Activation wizard.

Note: You can also start the Activation wizard by clicking Run from the Start menu, and typing oobe/msoobe /a in the field.

Note: For more information on Windows registration, open the Registration Wizard by clicking Run from the Start menu, and typing regwiz /r in the field.

9. Symptoms and Solutions

This section lists common symptoms that you may encounter during the software upgrade and proposes solutions.

1. **Symptom**: After installing the FPP Board and rebooting the workstation, a message appears indicating that there are not enough resources. In addition, an exclamation mark appears next to PlotPro in the Device Manager.

   **Solutions**:
   - Use the FPP PLX burn program to change the address used by the FPP.
   - Make sure that the AGP controller is enabled. If the AGP controller is disabled, the display will respond extremely slowly.

2. **Symptom**: The display responds extremely slowly.

   **Solution**: Disable the AGP controller via the Device Manager.
3. **Symptom:** The Bootable floppy with PLX burn software will not boot up.

4. **Solutions:**
   - The floppy will not boot if it does not contain the system files (MS-DOS). Format the floppy beforehand using the Create MS Startup disk.
   - The floppy won’t boot if the bios is not setup to boot first from the floppy. Check the system setup/CMOS to ensure that your system is set to boot up the A drive first.

5. **Symptoms:** The XP Ghost CD will not boot up.
   **Solution:** Set the CMOS so that the CD-ROM is first in the boot up sequence.

6. **Symptoms:** Windows XP cannot be activated.
   **Solution:** The network connection has to be established in order to start Windows XP activation via the web. Otherwise Windows XP activation has to be performed by phone.

### 10. Logistics

**SW UG KIT FOR FRESCO HIQ, P/N: 10-0977**

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
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<tbody>
<tr>
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<td>51-0015</td>
<td>CD+S/W KIT PRINTOP VER 1.51 R79</td>
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<td>51-0016</td>
<td>CD+GHOST S/W KIT DELL POWEREDGE 1300 NT TO XP</td>
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</tr>
<tr>
<td>52-0005</td>
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<td>1</td>
</tr>
<tr>
<td>51-0018</td>
<td>Bootable Floppy (FPP PLX Burn)</td>
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<tr>
<td>52-0008</td>
<td>SW, WINDOWS XP PRO OEM</td>
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<tr>
<td>FC10-0977</td>
<td>U/G INSTRUCTIONS PRINTOP 1.51 FOR FRESCO HIQ</td>
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