Technical Bulletin

English

Installing and Configuring Windows for Prinergy Evo

Software Only

DRAFT

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Contents

Overview 1

1.1 Who Should Use This Technical Bulletin? ... 1
1.1.1 Additional Resources ... 2

Installing and Configuring Windows 2000 Server for Prinergy Evo 3

2.1 Component Requirements ... 3
2.2 Firmware ... 3
2.3 Create RAID Controller Windows Device Driver Diskette ... 4
2.4 Dell Utility Partition ... 4
2.5 Building and Configuring the Prinergy Evo System on a Windows 2000 Server Operating System ... 4
2.5.1 Building the Prinergy Evo Server Software System ... 5
2.6 Installing and Configuring the Windows Operating System ... 6
2.7 Configuring the Windows 2000 Server Operating System ... 7
2.7.1 Defining the Operating System's Installation Settings ... 8
2.7.2 Configuring the Operating System From the Desktop ... 8
2.8 Configuring the System Settings ... 14
2.8.1 Configuring the Startup and Recovery Settings ... 14
2.8.2 Configuring the Temporary Directory Environment Variables ... 14
2.8.3 Backing Up the System Configuration ... 16
2.8.4 Installing Print Console ... 16
2.8.5 Installing CS Xpose ... 17
2.8.6 Installing Prinergy Evo ... 17
2.8.7 Installing the Installation Test Procedures and Scripts ... 17

Installing and Configuring Windows Server 2003 for Prinergy Evo 19

3.1 Component Requirements ... 19
3.2 Firmware ... 19
3.3 Create RAID Controller Windows Device Driver Diskette ... 20
3.4 Dell Utility Partition ... 20
3.5 Building and Configuring the Prinergy Evo System on a Windows Server 2003 Operating System ... 20
3.5.1 Building the Prinergy Evo Server Software System ... 21
3.6 Installing and Configuring the Windows Operating System ... 22
3.7 Configuring the Windows Server 2003 Operating System ... 23
3.7.1 Defining the Operating System's Installation Settings ... 24
3.7.2 Configuring the Operating System From the Desktop ... 24
3.7.3 Backing Up the System Configuration ... 31
3.7.4 Installing Print Console ... 31
3.7.5 Installing CS Xpose ... 32
3.7.6 Installing Prinergy Evo ... 32
3.7.7 Installing the Installation Test Procedures and Scripts ... 32

Installing and Configuring Windows for Creo CTP Devices and Modems 33

4.1 Setting the Display Properties ... 33
4.1.1 Setting the Display Properties in Windows 2000 Server ... 33
4.1.2 Setting the Display Properties in Windows Server 2003 ... 33
4.2 Configuring the System Settings ... 34
4.2.1 Configuring the Startup and Recovery Settings ... 34
4.2.2 Configuring the Temporary Directory Environment Variables ... 34
4.2.3 Configuring the Virtual Memory Settings ... 35

4.3 Installing the Command Console 35
4.4 Creating New User Accounts 36
4.5 Configuring the Digi Driver 37
4.6 Configuring Incoming Connections 38
4.6.1 Creating a New Incoming Connection 38
4.6.2 Configuring the Incoming Connection. 40
4.7 Setting up RRAS. 41

Overview

This document describes how Creo builds and configures a Prinergy Evo Server software system running on a Windows operating system.

Important: Due to support issues, before using any of the software-only documents, please contact Ian Williams at local 2540, or mobile number 604-318-3658.

This document describes:

- The required Windows Server operating system installation settings for a typical Prinergy Evo server computer system built by Creo. Based on your hardware configuration you may or may not need to complete all the steps listed.
- Any additional system settings for a typical Prinergy Evo server software system that are not described in the *Prinergy Evo Installation Guide* or *Prinergy Evo System Administration Guide*.

This document is intended for Creo's indirect channels and is intended as a guide from which to build and configure a system on which to install a software-only version of Prinergy Evo.

By purchasing a software-only version of Prinergy Evo, Creo will provide support only for the Prinergy Evo application software. Creo will not provide support on your hardware, network system, or operating system.

1.1 Who Should Use This Technical Bulletin?

This technical bulletin is intended for Creo's indirect channels, who have purchased Prinergy Evo as a software only configuration and intend to build, or supply, their own hardware server on which to install and optimally run Prinergy Evo.

To use this document you should:

- Be familiar with building server computers from hardware components
- Be familiar with system networking
- Be familiar with installing and configuring software
- Be familiar with the installing and configuring Windows operating systems
- Have a working knowledge of prepress operations

If you have purchased a complete Prinergy Evo system from Creo, you do not need this document as Creo will ship the complete Prinergy Evo system hardware and software configuration to you.

1.1.1 Additional Resources

Document	Description	Location
Prinergy Evo Server Hardware and Configuration Specifications for Software Only Installation Technical Bulletin	Describes specifies the hardware components, related manufacturer part numbers, and the different firmware, system drivers, and applications used by Creo to build a Creo Premium or Performance workflow server, which is use by Creo to install and to optimally run a Prinergy Evo system	Prinergy Evo DVD
Prinergy Evo ReGhosting for Disaster Recovery Technical Bulletin (Optional)	Describes how to restore the system from a ghost image only if the system drive is wiped out.	Prinergy Evo DVD
Prinergy Evo Product Specifications	Lists and describes the base and optional Prinergy Evo product features	Sales Information Portal
Prinergy Evo Installation Guide	Describes the installation prerequisites, Creo supported output devices, and explains how to install the Prinergy Evo Server and Client software.	Prinergy Evo DVD
Prinergy Evo System Administration Guide	Describes the Prinergy Evo system, and explains how to set up your Prinergy Evo server computer for the Prinergy Evo system.	Prinergy Evo DVD
Prinergy Evo Connectivity User Guides and Technical Bulletins	Describes how to set up Prinergy Evo to connect to a number of Creo devices as well as third party proofing devices.	Creo's eCentral - https://ecentral.creo.com/ You must have a registered eCentral user account and password.

Installing and Configuring Windows 2000 Server for Prinergy Evo

This section describes the basic hardware, driver, and software components needed to install and run a Prinergy Evo system. If you are connecting to a Creo CTP (computer-to-plate) device, see *Installing and Configuring Windows for Creo CTP Devices and Modems* on page 33 for information on the required operating system settings needed to optimally run Print Console or CS Xpose device control software.

2.1 Component Requirements

For more information on required components, firmware, drivers, and so on, see the *Prinergy Evo Server Hardware and Configuration Specifications for Software Only Installation Technical Bulletin*.

Install the following hardware before installing the necessary drivers.

Hardware	PE700	PE2600
Adaptec 39U160	X	X
Digi AccelePort	X	X
USB Dongle	X	X

2.2 Firmware

Ensure that the following firmware has been updated prior to the installation of the operating system.

Firmware	PE700	PE2600
Motherboard BIOS	X	X
ESM	X	
Perc/Cerc	X	X

2.3 Create RAID Controller Windows Device Driver Diskette

If your computer hardware is not a Dell PowerEdge Server, and it comes with a RAID Controller that connects to your operating system drives, ensure that the RAID controller Windows device driver is supported by Windows 2000 Server (that is, the Windows 2000 Server CD recognizes and installs the required device drivers for the specific RAID controller). Otherwise, you will have to create the RAID Controller device driver diskette obtained from your hardware vendor.

PE700	CERC 6
PE2600	Perc4/Di

2.4 Dell Utility Partition

If you do not have a Dell computer, refer to your computer hardware vendor for the equivalent utility if it exists

	PE700	PE2600
Dell Server Assistant CD	X	X

2.5 Building and Configuring the Prinergy Evo System on a Windows 2000 Server Operating System

This section outlines how to install and configure the Windows 2000 Server operating system for a Prinergy Evo system.

For information on installing and configuring the Windows Server 2003 operating system, see *Installing and Configuring Windows Server 2003 for Prinergy Evo* on page 19.

To build the Prinergy Evo system, you require:

- Windows 2000 Server Operating System (latest updates and service packs if available)
- The latest required components, firmware and device drivers. For more information on required firmware and drivers see the *Prinergy Evo Server Hardware and Configuration Specifications for Software Only Installation Technical Bulletin*.
- The latest Prinergy Evo DVD
- The server computer to be connected to Internet (to get Windows updates)
- Anti-virus software
- Symantec ghost software to create a ghost image and back up the final Prinergy Evo system (optional)
- Required additional software, such as Adobe Reader.
- If you want to use Creo's plug-ins for Adobe Acrobat, you are required to install Adobe Acrobat.

2.5.1 Building the Prinergy Evo Server Software System

1. Connect the server computer to the UPS (Uninterrupted Power Supplies) if used.
2. Install the Windows operating system. See *Defining the Operating System's Installation Settings* on page 8.
3. Configure the Windows operating system. See *Configuring the Windows 2000 Server Operating System* on page 7.
4. Install the required device drivers. See *Install the required drivers:* on page 9.
5. Install an anti virus software. See the anti-virus software documentation.
6. Connect the server computer to the broadband or modem Internet connection. See *Configure the Modem* on page 10.
7. Start Internet Explorer, and from the **Tools** menu, select **Windows Update** to update the operating system with any Microsoft security updates and service packs. See *Upgrade Internet Explorer* on page 8.
8. Update the DNS (Domain Name Server) configuration in order to optimize the operating system. See *Update the DNS Configuration* on page 13.
9. If the Prinergy Evo server computer is connecting to a Creo CTP device, update the Digi driver. See *Configuring the Digi Driver* on page 37.
10. Configure the network driver.
11. Review the *Prinergy Evo Installation Guide* and *Prinergy Evo System Administration Guide* for information on prerequisites to installing the Prinergy Evo system and instructions on setting up your operating system and installing Prinergy Evo
12. Install Prinergy Evo software. See the *Prinergy Evo Installation Guide* and *Prinergy Evo System Administration Guide*.

13. Set up an FTP site in Internet Explorer favorites. See *Create a Shortcut on the Desktop for Uploading Files to Creo* on page 16.
14. Install any additional required third-party software (for example, Adobe Acrobat). See the third-party software documentation.
15. Creo recommends that you backup the system configurations to a safe network location or media.
16. Connect any network printers, proofing devices, or CTP output devices. See the output device documentation.
17. Install the Prinergy Evo Installation Test Procedure files from the Prinergy Evo DVD. See *Installing the Installation Test Procedures and Scripts* on page 17.

2.6 Installing and Configuring the Windows Operating System

The general workflow to install and configure the Windows operating system is:

1. If required by your computer hardware, create a utility partition. Utility partitions are dependent on your computer hardware manufacturer.
2. Install the Windows operating system.

To create a utility partition (on Dell PowerEdge Servers ONLY):



Note: If you are creating an utility partition on a non-Dell server computer, see the your computer hardware's documentation for information on creating an utility partition

1. Put the Dell PE700 or PE2600 Server Assistant CD into the CD-ROM drive.
2. Start the server computer. The Server Assistance starts automatically.
3. Select **System Tools** > **Create Utility Partition** to create a utility partition.

To install Windows 2000 Server operating system:

1. Turn on the server computer.
2. Place the Windows 2000 Server CD in the CD-ROM drive.
3. Press the SPACE bar, when prompted, to start the computer from the CD and to automatically start the Windows 2000 Server installation wizard.
4. Follow the installation wizard instructions as required.
5. If you have a RAID controller that is not supported by the Windows 2000 Server CD, you will need to press F6 immediately when prompted so Windows Setup can enable you to select the required third-party disk or RAID controller device driver.



WARNING: If you do not press F6, the S prompt described in step 6 will not appear.

6. When prompted, press S to select a RAID disk driver.

   Setup prompts you to specify the location of the RAID controller device driver (The default is A:\ drive or the floppy disk drive).

7. Insert the RAID controller Windows device driver diskette, created in *Create RAID Controller Windows Device Driver Diskette* on page 4, into the disk drive and press ENTER.
8. Select the appropriate RAID controller device driver from the list displayed (For example, the PERC 4/Di for Dell PE2600 server).
9. When you are prompted to select a partitioned disk on which to install Windows, select the utility partition (hidden) that you created.

   This enables you to create a partition and format it as the single partition size of the entire disk as in the following example:

   Dell PowerEdge Server, 1 Partition OS on C:

Dell 31MB	C: NTFS /end System	10MB free

10. Complete the rest of the installation wizard as required.
11. Restart the computer.

2.7 Configuring the Windows 2000 Server Operating System

After you have installed the Windows 2000 Server operating system, you must configure the operating system.

You configure the operating system via the Windows 2000 Server operating system's Configure computer installation wizard, which appears after the operating system installation is complete.

Once you have completed the configure computer installation wizard, finish configuring the operating system from the desktop.

2.7.1 Defining the Operating System's Installation Settings

In the following computer installation wizard dialog boxes:

1. Set the Initial settings:

Regional	As required
Name	As required
Organization	Your company name
Key	From the Windows 2000 Server License tag, or sticker.
Licenses	Per server - as many as you have purchased (The default is 5)
Computer Name	Enter the name for the Prinergy Evo server computer. This computer name appears on the network.

2. Set the Installation settings:

   Clear all options, except:

   Accessories and Utilities

   Other Network File and Print Services

   - File Services for Mac — Yes
   - Print Services for Mac — Yes

   Script debugger — Yes

   Terminal Services — Yes

   When prompted for Terminal Services select Remote Administration Mode.

3. Restart the computer.
4. Close **Configure Computer Now**.

2.7.2 Configuring the Operating System From the Desktop

From the desktop, configure the following system settings.

Upgrade Internet Explorer

1. Start Internet Explorer.
2. From **http://www.microsoft.com/**, download the Internet Explorer 6.x **iexsetup.exe** file.
3. Double-click **iexsetup.exe** to start the Internet Explorer upgrade installation wizard.
4. Follow the instructions in the installation wizard to install the upgrade.
5. Start Internet Explorer and select **Manually**, **LAN, clear all** check boxes, **No** (to Email account).

Copy Files and Folders

1. Copy the required drivers to **%SystemDrive%\Drivers**.



Note: If the Prinergy Evo computer system was not purchased from Creo, then Creo's resource CD, which contains the **\Lanacfg**, **ResKit**, and **ResynchName** drivers, will not be available. Obtain the required drivers from your computer system's hardware vendor.

Drivers

Type	Optional or Required
/Lanacfg	Optional
/ResKit	Optional
/ResSynchName	Optional
Adaptec Drivers	Required if the Prinergy Evo server is connecting to a Creo CTP output device
Digi	Required if the Prinergy Evo server is connecting to a Creo CTP output device
AIT Driver	Optional
Network Driver	Optional
Modem Driver	Required
RAID Controller Driver	Required
Sent USB	Required

Install the required drivers:

1. On the desktop, right-click **My Computer** and select **Manage.**
2. The Computer Management dialog box appears.
3. Double-click **Device Manager.**

   Windows 2000 Server detects the existing hardware drivers and lists them in the right panel.
4. Install the required drivers.
   a. Select the required driver.
   b. Right-click and select **Scan for hardware changes.**

      The Hardware Update wizard appears.
   c. Follow the instructions in the wizard to install the driver.

d. Repeat steps a to c until all drivers have been installed. Do not restart the computer until all drivers have been installed.

Drivers	PE700	PE2600	Version	Required or Recommended
RAID Controller (for example, PERC)	X	X	Latest	Required
Ethernet driver	X	X	Latest	Required
Chipset (SM Bus Controller)	X		Latest	Required
Adaptec SCSI 39U160 (not the 3960D)	X	X	6.1.6300.100A14	Required if the Prinergy Evo server computer is connecting to a Creo CTP output device.
Digi (PCI multi serial-port Controller)(note, prompts 4 times, 1 for each port)		X	Latest	Required if the Prinergy Evo server computer is connecting to a Creo CTP output device.
Video (Clear Show screen at startup)	X	X	Latest	Recommended
Audio	X		Latest	Recommended
USB dongle	X	X	Latest	Required

Configure the Modem

If you do not have a broadband connection, you must install a modem driver.

1. Make sure all modems are disconnected from the Prinergy Evo server computer.
2. From the **Start** menu, select **Settings** > **Control Panel** > **Phone and Modems**.

   The Phone and Modems Options dialog box appears.
3. In the **Modem** tab, click **Add**.

   The Add/Remove Hardware installation wizard appears.
4. Select **Do Not Detect My Modem, I will select it from a list** and click **Next**.
5. From the **Manufacturers** list, select **United States Robotics**.
6. If not in North America, from the **Manufacturers** list, select **MultiTech Systems**.

7. Click **Next**.
8. In the Install New Modem dialog box, select **Selected Ports**.
9. Select **COM1**.
10. Click **Next** and complete the remaining wizard settings as required.

Setup Windows Networking

To set up Prinergy Evo networking you need to:

1. Enable Services for Macintosh.
2. Configure the local area network connection settings.
3. Enable remote access.

Configuring the Local Area Network Connection Settings

1. From the **Start** menu, select **Settings** > **Control Panel** > **Network Connections** > **Local Area Connection**.

   The Local Area Connection dialog box appears.
2. In the **General** tab, click **Properties**.

   The Local Area Connection Status Properties dialog box appears.
3. Select **Show icon in Task bar when connected**.
4. In the **Components checked are used by this configuration** box, select the **File and Printer Sharing for Microsoft Networks** check box.
5. Click **Properties**.

   The File and Printer Sharing for Microsoft Networks Properties dialog box appears.
6. Select **Maximize for Network Applications**.
7. Click **OK**.
8. Click **Configure**.

   The Management Adapter Properties dialog box appears.
9. Click **Advanced**.
10. In the **Properties** list, select **Link Speed and Duplex**.
11. In the **Values** list, select **Auto Detect**.
12. If you have a Broadband connection, in the **Properties** list, select **Advanced Technology**.
13. In the **Values** lists, select **Off**.
14. Click **OK**.
15. In the Local Area Connection dialog box, select **Internet Protocol (TCP/IP)**.
16. Click **Properties**.

    The Internet Protocol Properties dialog box appears.

17. Click **Advanced.**

    The Advanced TCP/IP Settings dialog box appears.

18. In the **WINS** tab, clear **Enable LMHOSTS lookup.**
19. Select **Enable NetBIOS over TCP/IP.**

Enabling Remote Access

1. From the desktop, right-click **My Network Places** and select **Properties.**

   The Network Connections dialog box appears.

2. From the **Advanced** menu, select **Network Identification.**

   The Network Identification dialog box appears.

3. In the **Remote** tab, select **Allow users to connect remotely to this computer.**

Setting the Event Log Size

1. On the desktop, from the **Start** menu, select **Run.**

   The Run dialog box appears.

2. In the **Open** box, type **eventvwr.**
3. Click **OK.**

   The Event Viewer dialog box appears.

4. Select the **Application Log** folder, right-click and select **Properties.**

   The Application Log Properties dialog box appears.

5. In the **Maximum log size** box, type **2048.**
6. Select the **Overwrite as needed** option.
7. Click **OK.**
8. Select the **Security Log** folder, right-click and select **Properties.**

   The Security Log Properties dialog box appears.

9. In the **Maximum log size** box, type **2048.**
10. Select the **Overwrite as needed** option.
11. Click **OK.**
12. Select the **System Log** folder, right-click and select **Properties.**

    The System Log Properties dialog box appears.

13. In the **Maximum log size** box, type **2048.**
14. Select the **Overwrite as needed** option.
15. Click **OK.**
16. Select the **IExplore** folder, right-click and select **Properties.**

    The IExplore Properties dialog box appears.

17. In the **Maximum log** size box, type **2048.**

18. Select the **Overwrite as needed** option.
19. Click **OK**.

Install Management Utilities

Install the server computer's management utilities if they were supplied by the computer's hardware vendor.

Install Third-Party Software

1. Install Adobe Acrobat.
2. Install any additional required third-party software.

Install Remote Management Tools

1. Install Virtual Network Connection (VNC) software using the administrator user account name and password.
2. Install Creo Service Port. For information on installing Creo Service Port, contact your Creo service representative
3. Restart the computer.

Update the operating system security settings

1. Ensure you are connected to the Internet.
2. Select **Start** > **Windows Update**.

   The Windows Update Internet site appears (**http://v4.window-supdate.microsoft.com**)
3. Click **Scan for Updates**.
4. When the scan is completed, click **Review and Install Updates**.
5. In the list of available updates, click **Install**.

Update the DNS Configuration

This change is necessary for the Process Template Editor to see the Prinergy Evo server software.

1. From the **Start** menu, select the **Settings** > **Network and Dial-up Connections** > **Local Area Connection**.

   The Local Area Connection Status dialog box appears.
2. Click **Properties**.

   The Local Area Connection Properties dialog box appears.
3. Select the **Internet Protocol (TCP/IP).**
4. Click **Properties**.

   The Internet Protocol (TCP/IP) Properties dialog box appears.
5. Click **Advanced**.

   The Advanced TCP/IP Settings dialog appears.

6. In the **DNS** tab, select the **Register this connection's addresses in DNS** check box.

2.8 Configuring the System Settings

To configure the system settings, you need to configure the startup and recovery settings, configure the temporary directory environment variables, and set the virtual memory.

2.8.1 Configuring the Startup and Recovery Settings

Configuring Startup and Recovery Settings for Windows 2000 Server

1. From the **Start** menu, select **Settings** > **Control Panel** > **System**.

   The System Properties dialog box appears.

2. In the **Advanced** tab, **Startup Recovery** area, click **Startup and Recovery**.

   The Startup and Recovery dialog box appears.

3. In the **Write debugging information** list, select **None**.
4. In the **Display list of operating systems for** box, type **5**.
5. Clear the **Automatically reboot** check box.
6. Click **OK**.

Configuring Startup and Recovery Settings for Windows Server 2003

1. From the **Start** menu, select **Settings** > **Control Panel** > **System**.

   The System Properties dialog box appears.

2. In the **Advanced** tab, **Startup Recovery** area, click **Settings**.

   The Startup and Recovery dialog box appears.

3. In the **Write debugging information** list, select **None**.
4. In the **Time to display list of operating systems for** box, type **5**.
5. Clear the **Automatically reboot** check box.
6. Click **OK**.

2.8.2 Configuring the Temporary Directory Environment Variables

1. In the System Properties dialog box, **Advanced** tab, click **Environment Variables**.

   The Environment Variables dialog box appears.

2. In the **User** area, select **TEMP**.

3. Click **Edit**.

   The Edit User Variable dialog box appears.

4. In the **Variable Value Name** box, type **c:\TEMP**.
5. In the **User** area, select **TMP**.
6. Repeat steps 3 and 5, making sure to type **c:\TEMP** in the **Variable Value Name** box.
7. In the **System** area, select **TEMP**.
8. Repeat steps 3 and 5, making sure to type **c:\TEMP** in the **Variable Value Name** box.
9. In the **System** area, select **TMP**.
10. Repeat steps 3 and 5, making sure to type **c:\TEMP** in the **Variable Value Name** box.

Configuring the Virtual Memory Settings

Configuring Virtual Memory Settings for Windows 2000 Server

1. In the System Properties dialog box, **Advanced** tab, **Performance** area, click **Performance Options**.

   The Performance Options dialog box appears.

2. In the **Virtual memory** area, click **Change**.

   The Virtual Memory dialog box appears.

3. In the **Drive** list, select the system drive—for example, c:\[system].
4. In the **Initial Size** and **Maximum Size** boxes, type an amount that is 1.5 times greater than the physical RAM installed. For example, if your system has 1 GB of RAM, type 1536.
5. Click **OK**.

Configuring Virtual Memory Settings for Windows 2003 Server

1. In the System Properties dialog box, **Advanced** tab, **Performance** area, click **Settings**.

   The Performance Options dialog box appears.

2. In the Advanced tab, **Virtual memory** area, click **Change**.

   The Virtual Memory dialog box appears.

3. In the **Drive** list, select the system drive—for example, c:\[system].
4. In the **Initial Size** and **Maximum Size** boxes, type an amount that is 1.5 times greater than the physical RAM installed. For example, if your system has 1 GB of RAM, type 1536.
5. Click **OK**.

Installing the Command Console

1. Ensure the Windows Server CD is in the CD-ROM/DVD drive.
2. From a Command Prompt, type **CDDrive:\i386\winnt32 /CMDCONS.**

Create the Prinergy Evo Specific Accounts

During installation of the Prinergy Evo software, you are prompted to enter an administrator user account and password. If this user account and password does not exist, Prinergy Evo automatically creates the account and password and adds the account to the administrator group. For more information, see the *Prinergy Evo System Administration Guide*.

Create a Shortcut on the Desktop for Uploading Files to Creo

To support Prinergy Evo, provide a standard link to upload files from the site to Creo support personnel.

1. On the desktop, from the **Start** menu, select **Run**.

   The Run dialog box appears.

1. In the **Open** box, type **ftp.creo.com/incoming**.
2. Click **OK**.
3. Once the page has opened, from the **Favorites** menu, select **Add to favorites...**. The Add Favorite dialog appears.
4. In the **Name** box, type **Upload Files For Creo Here.**
5. Click **OK** to create the favorite.

2.8.3 Backing Up the System Configuration

Creo recommends that you backup the system configurations to a safe network location or to media.

2.8.4 Installing Print Console

If connecting to a Trendsetter family device, you need to configure the operating system for connectivity to the device. See *Installing and Configuring Windows for Creo CTP Devices and Modems* on page 33.

Once you have configured the operating system install the Print Console device control software. For information on installing Print Console, see the *Print Console Installation Guide*.

2.8.5 Installing CS Xpose

If connecting to a Lotem 800 II, Lotem 800 Quantum, Lotem 800 Quantum Spectrum, Dolev 800 V, Dolev 800V2, Dolev 800V3 device, you need to configure the operating system for connectivity to the device. See *Installing and Configuring Windows for Creo CTP Devices and Modems* on page 33.

Once you have configured the operating system install the CS Xpose device control software. For information on installing CS Xpose, see the *CS Xpose Installation Guide*.

2.8.6 Installing Prinergy Evo



Note: During installation, make sure you install Prinergy Evo server software under the administrator user account (for example, CreoAdmin) and password. Otherwise, Prinergy Evo may not work properly.

For information on installing Prinergy Evo, see the *Prinergy Evo Installation Guide* and *Prinergy Evo System Administration Guide*.

2.8.7 Installing the Installation Test Procedures and Scripts

1. Using the Prinergy Evo DVD, select the Install ITP Files option to install the latest version of ITP (Installation Test Procedures).
2. Upon completion, there should be a number of files in the **JobData\ITP** directory.
3. Complete the installation test procedure document supplied with the ITP files.

Installing and Configuring Windows Server 2003 for Prinergy Evo

This section describes the basic hardware, driver, and software components needed to install and run a Prinergy Evo system. If you are connecting to a Creo CTP (computer-to-plate) device, see the Creo CTP chapter for information on the required operating system settings needed to optimally run Print Console or CS Xpose device control software.



Important: Connectivity to Dolev 800 family imagesetters via CS Xpose is not supported on Windows Server 2003 operating systems.

3.1 Component Requirements

For more information on required components, firmware, drivers, and so on, see the *Prinergy Evo Server Hardware and Configuration Specifications for Software Only Installation Technical Bulletin*.

Install the following hardware before installing the necessary drivers.

Hardware	PE700	PE2600
Adaptec 39U160	X	X
Digi AccelePort	X	X
USB Dongle	X	X

3.2 Firmware

Ensure that the following firmware has been updated prior to the installation of the operating system.

Firmware	PE700	PE2600
Motherboard BIOS	X	X
ESM		X
RAID (Perc 4Di)		X
Cerc	X	

3.3 Create RAID Controller Windows Device Driver Diskette

If your computer hardware is not a Dell PowerEdge Server, and it comes with a RAID Controller that connects to your operating system drives, ensure that the RAID controller Windows device driver is supported by Windows Server 2003 (that is, the Windows Server 2003 CD recognizes and installs the required device drivers for the specific RAID controller). Otherwise, you will have to create the RAID Controller device driver diskette obtained from your hardware vendor.

PE700	CERC 6
PE2600	Perc4/Di

3.4 Dell Utility Partition

If you do not have a Dell computer, refer to your computer hardware vendor for the equivalent utility if it exists.

	PE700	PE2600
Dell Server Assistant CD	X	X

3.5 Building and Configuring the Prinergy Evo System on a Windows Server 2003 Operating System

This section outlines how to install and configure the Windows Server 2003 operating system for a Prinergy Evo system.

If you are upgrading your operating system from Windows 2000 Server, see the *Prinergy Evo Installation Guide*.

For information on installing and configuring the Windows 2000 Server operating system, see *Installing and Configuring Windows 2000 Server for Prinergy Evo* on page 3.

To build the Prinergy Evo system, you require:

- Windows Server 2003 Operating System (latest updates and service packs if available)
- The latest required components, firmware and device drivers. For more information on required firmware and drivers see the *Prinergy Evo Server Hardware and Configuration Specifications for Software Only Installation Technical Bulletin*.
- The latest Prinergy Evo DVD
- The server computer to be connected to Internet (to get Windows updates)
- Anti-virus software
- Symantec ghost software to create a ghost image and back up the final Prinergy Evo system (optional)
- Required additional software, such as Adobe Reader.
- If you want to use Creo's plug-ins for Adobe Acrobat, you are required to install Adobe Acrobat.

3.5.1 Building the Prinergy Evo Server Software System

1. Connect the server computer to the UPS (Uninterrupted Power Supplies) if used.
2. Install the Windows operating system. See *Defining the Operating System's Installation Settings* on page 24.
3. Configure the Windows operating system. See *Configuring the Windows Server 2003 Operating System* on page 23.
4. Install the required device drivers. See *Install the required drivers:* on page 25.
5. Install an anti virus software. See the anti-virus software documentation.
6. Connect the server computer to the broadband or modem Internet connection. See *Configure the Modem* on page 27.
7. Start Internet Explorer, and from the **Tools** menu, select **Windows Update** to update the operating system with any Microsoft security updates and service packs. See *Configure Internet Explorer* on page 27.
8. Update the DNS (Domain Name Server) configuration in order to optimize the operating system. See *Update the DNS Configuration* on page 29.
9. If the Prinergy Evo server computer is connecting to a Creo CTP device, update the Digi driver. See *Configuring the Digi Driver* on page 37.
10. Configure the network driver.
11. Review the *Prinergy Evo Installation Guide* and *Prinergy Evo System Administration Guide* for information on prerequisites to installing the Prinergy Evo system, and instructions on setting up your operating system and installing Prinergy Evo
12. Install Prinergy Evo software. See the *Prinergy Evo Installation Guide* and *Prinergy Evo System Administration Guide*.

13. Set up an FTP site in Internet Explorer favorites. See *Create a Shortcut on the Desktop for Uploading Files to Creo* on page 31.
14. Install any additional required third-party software (for example, Adobe Acrobat). See the third-party software documentation.
15. Creo recommends that you backup the system configurations to a safe network location or media.
16. Connect any network printers, proofing devices, or CTP output devices. See the output device documentation.
17. Install the Prinergy Evo Installation Test Procedure files from the Prinergy Evo DVD. See *Installing the Installation Test Procedures and Scripts* on page 32.

3.6 Installing and Configuring the Windows Operating System

The general workflow to install and configure the Windows operating system is:

1. If required by your computer hardware, create a utility partition. Utility partitions are dependent on your computer hardware manufacturer.
2. Install the Windows operating system.

To create a utility partition (on Dell PowerEdge Servers ONLY):



Note: If you are creating an utility partition on a non-Dell server computer, see the your computer hardware's documentation for information on creating an utility partition

1. Put the Dell PE700 or PE2600 Server Assistant CD into the CD-ROM drive.
2. Start the server computer. The Server Assistance starts automatically.
3. Select **System Tools** > **Create Utility Partition** to create a utility partition.

To install Windows Server 2003 operating system:

1. Place the Windows Server 2003 CD in the CD-ROM drive.
2. Turn on the server computer.
3. Press the SPACE bar as prompted to start the computer from the CD and to automatically start the Windows Server 2003 installation wizard.
4. Follow the instructions in the installation wizard.
5. If you have a RAID controller that is not supported by the Windows Server 2003 CD, you will need to press F6 immediately when prompted so Windows Setup can enable you to select the required third-party disk or RAID controller device driver.



WARNING: If you do not press F6, the S prompt described in step 6 will not appear.

6. When prompted, press **S** to select a RAID disk driver.

   Setup prompts you to specify the location of the RAID controller device driver (The default is A:\ drive or the floppy disk drive).

7. Insert the RAID controller Windows device driver diskette, created in *Create RAID Controller Windows Device Driver Diskette* on page 20, into the disk drive and press ENTER.
8. Select the appropriate RAID controller device driver from the list displayed (For example, the PERC 4/Di for Dell PE2600 server).
9. When you are prompted to select a partitioned disk on which to install Windows, select the utility partition (hidden) that you created.

   This enables you to create a partition and format it as the single partition size of the entire disk as in the following example:

   Dell PowerEdge Server, 1 Partition OS on C:

Dell 31MB	C: NTFS /end System	10MB free

10. Restart the computer.
11. Close **Configure Computer Now**.

3.7 Configuring the Windows Server 2003 Operating System

After you have installed the Windows Server 2003 operating system, you must configure the operating system.

You configure the operating system via the Windows Server 2003 operating system's Configure computer installation wizard, which appears after the operating system installation is complete.

Once you have completed the configure computer installation wizard, you finish configuring the operating system from the desktop.

3.7.1 Defining the Operating System's Installation Settings

In the following computer installation wizard dialog boxes:

1. Set the Initial settings:

Regional	As required
Name	As required
Organization	Your company name
Key	From the Windows Server 2003 License tag, or sticker.
Licenses	Per Server - as many as you have purchased (The default is 5)
Computer Name	Enter the name for the Prinergy Evo server computer. This computer name appears on the network.

2. Set the Network Protocol:
   a. Click **Custom.**
   b. Click **Install.**
   c. In the **Protocol** list, select **AppleTalk.**
3. Restart the computer.
4. Close **Configure Computer Now.**

3.7.2 Configuring the Operating System From the Desktop

From the desktop, configure the following system settings.

Copy Files and Folders

1. Copy the required drivers to **%SystemDrive%\Drivers.**



Note: If the Prinergy Evo computer system was not purchased from Creo, then Creo's resource CD, which contains the **\Lanacfg**, **ResKit**, and **ResynchName** drivers, will not be available. Obtain the required drivers from your computer system's hardware vendor.

Drivers

Type	Optional or Required
/Lanacfg	Optional
/ResKit	Optional
/ResSynchName	Optional
Adaptec Drivers	Required if the Prinergy Evo server is connecting to a Creo CTP output device
Digi	Required if the Prinergy Evo server is connecting to a Creo CTP output device
AIT Driver	Optional

Type	Optional or Required
Network Driver	Optional
Modem Driver	Required
RAID Controller Driver	Required

Install the required drivers:

1. On the desktop, right-click **My Computer** and select **Manage.**

   The Computer Management dialog box appears.

2. Double-click **Device Manager.**

   Windows Server 2003 detects the existing hardware drivers and lists them in the right panel.

3. Install the required drivers.

   a. Select the required driver.

   b. Right-click and select **Update Driver.**

      The Hardware Update wizard appears.

   c. Follow the instructions in the wizard to install the driver.

   d. Repeat steps a to c until all drivers have been installed. Do not restart the computer until all drivers have been installed.

Drivers	PE700	PE2600	Version	Required or Recommended
RAID Controller (for example, PERC)	X	X	Latest	Required
Ethernet driver	X	X	Latest	Required
Chipset (SM Bus Controller)	X		Latest	Required
Adaptec SCSI 39U160 (not the 3960D)	X	X	6.1.6300.100A14	Required if the Prinergy Evo server computer is connecting to a Creo CTP output device.
Digi (PCI multi serial-port Controller)(note, prompts four times. One for each port)		X	Latest	Required if the Prinergy Evo server computer is connecting to a Creo CTP output device.

Drivers	PE700	PE2600	Version	Required or Recommended
Video (Clear Show screen at startup)	X	X	Latest	Recommended
Audio	X		Latest	Recommended

4. Restart the computer.

Configure the Group Policy

1. From the **Start** menu, select **Run**.

   The Run dialog box appears.

2. In the **Open** box, type **GPEdit.MSC**.

   The Group Policy dialog box appears.

3. Select **Computer Configuration** > **Windows Settings** > **Security Settings** > **Local Policies** > **Security Options**.

4. Double-click **Shutdown Allow system to be shut down**.

5. The Shutdown Allow system to be shut down dialog box appears.

6. Select **Enabled**.

7. Click **OK**.

8. Select **Computer Configuration** > **Administrative Templates** > **Printers**.

9. Double-click **Disallow installation of printers using kernel-mode drivers**.

   The Disallow installation of printers using kernel-mode drivers dialog box appears.

10. Select **Disabled**.

11. Click **OK**.

12. Select **Computer Configuration** > **Administrative Templates** > **System**.

13. Double-click **Display Shutdown Event Tracker**.

    The Display Shutdown Event Tracker dialog box appears.

14. Select **Disabled**.

15. Select **Computer Configuration** > **Administrative Templates** > **Windows Components** > **Terminal Services**.

16. Double-click **Sets Rules for Remote Control of Terminal Service**.

    The Sets Rules for Remote Control of Terminal Service … dialog box appears.

17. Select **Enabled**.

18. In the **Options** list, select **Full Control Without Users Permission**.

Enable SFM Clear text Authentication

1. On the desktop, right-click **My Computer** and select **Manage.**

   The Computer Management dialog box appears.

2. Right click **Shared Folders** and select **Configure File Server for Mac.**

   The File Server for Macintosh Properties dialog box appears.

3. In the **Enable Authentication** list, select **Apple Clear Text or Microsoft**.

Configure Internet Explorer

1. Start Internet Explorer.
2. From Internet Explorer, **Tools** menu, select **Internet Options**.

   The Internet Options dialog box appears.

3. In the **Security** tab, select **Internet**.
4. Click **Custom Level**.

   The Security Settings dialog box appears.

5. In the **Reset To** list, select **Medium**.

Configure the Modem

If you do not have a broadband connection, you must install a modem driver.

1. Make sure all modems are disconnected from the Prinergy Evo server computer.
2. From the **Start** menu, select **Settings** > **Control Panel** > **Phone and Modems**.

   The Phone and Modems Options dialog box appears.

3. In the **Modem** tab, click **Add**.

   The Add/Remove Hardware installation wizard appears.

4. Select **Do Not Detect My Modem** and click **Next**.
5. From the **Manufacturers** and **Models** lists, select **Standard 56000 bps Modem**.
6. Click **Next**.
7. In the Install New Modem dialog box, select **Selected Ports**.
8. Select **COM1**.
9. Click **Next** and complete the remaining wizard settings as required.

Setup Windows Networking

To set up Prinergy Evo networking you need to:

1. Enable Services for Macintosh.
2. Configure the local area network connection settings.
3. Enable remote access.

Enabling Services for Macintosh

1. From the desktop, right-click **My Network Places** and select **Properties**.

   The Network Connection dialog box appears.

2. From the **Advanced** menu, select **Optional Networking Components**.

   The Windows Optional Networking Components wizard appears.

3. Select **Other Network File and Print Services** check box.
4. Click **Details**.

   The Management and Monitoring Tools dialog box appears.

5. Select the **File Services for Mac** check box.
6. Select the **Print Services for Mac** check box.
7. If connecting to a Unix server, select **Print Services for Unix**.

Configuring the Local Area Network Connection Settings

1. From the **Start** menu, select **Settings** > **Control Panel** > **Network Connections** > **Local Area Connection**.

   The Local Area Connection dialog box appears.

2. In the **General** tab, click **Properties**.

   The Local Area Connection Status Properties dialog box appears.

3. Select **Configure**.

   The Management Adapter Properties dialog box appears.

4. Click **Advanced**.
5. In the **Properties** list, select **Link Speed and Duplex**.
6. In the **Values** list, select **Auto Detect**.
7. Click **OK**.
8. In the Local Area Connection Status dialog box, click **Properties**.
9. Select **File and Printer Sharing for Microsoft Networks**.
10. Click **Properties**.

    The File and Sharing for Macintosh Networks Properties dialog box appears.

11. Select **Maximize for Network Applications**.
12. Click **OK**.
13. In the Local Area Connection dialog box, select **Internet Protocol (TCP/IP)**.
14. Click **Properties**.

    The Internet Protocol Properties dialog box appears.

15. Click **Advanced**.

    The Advanced TCP/IP Settings dialog box appears.

16. In the **WINS** tab, clear **Enable LMHOSTS lookup**.

17. Select **Enable NetBIOS over TCP/IP.**
18. In the **DNS** tab, clear **Register this connections address in DNS.**

Enabling Remote Access

1. From the desktop, right-click **My Network Places** and select **Properties.**

   The Network Connections dialog box appears.
2. From the **Advanced** menu, select **Network Identification**.

   The Network Identification dialog box appears.
3. In the **Remote** tab, select **Allow users to connect remotely to this computer.**

Install Management Utilities

Install the server computer's management utilities if they were supplied by the computer's hardware vendor.

Install Third-Party Software

1. Install Adobe Acrobat.
2. Install any additional required third-party software.

Install Remote Management Tools

1. Install Virtual Network Connection (VNC) software using the administrator user account name and password.
2. Install Creo Service Port. For information on installing Creo Service Port, contact your Creo service representative
3. Restart the computer.

Update the operating system security settings

1. Ensure you are connected to the Internet.
2. Select **Start** > **Windows Update**.

   The Windows Update Internet site appears (**http://v4.window-supdate.microsoft.com**)
3. Click **Scan for Updates**.
4. When the scan is completed, click **Review and Install Updates**.
5. In the list of available updates, click **Install.**

Update the DNS Configuration

This change is necessary for the Process Template Editor to see the Prinergy Evo server software.

1. From the **Start** menu, select the **Settings** > **Network and Dial-up Connections** > **Local Area Connection**.

   The Local Area Connection Status dialog box appears.

2. Click **Properties.**

   The Local Area Connection Properties dialog box appears.

3. Select **Internet Protocol (TCP/IP).**

4. Click **Properties.**

   The Internet Protocol (TCP/IP) Properties dialog box appears.

5. Click **Advanced**.

   The Advanced TCP/IP Settings dialog appears.

6. In the **DNS** tab, select the **Register this connection's addresses in DNS** check box.

Configuring Virtual Memory Settings for Windows 2003 Server

1. In the System Properties dialog box, **Advanced** tab, **Performance** area, click **Settings**.

   The Performance Options dialog box appears.

2. In the Advanced tab, **Virtual memory** area, click **Change**.

   The Virtual Memory dialog box appears.

3. In the **Drive** list, select the system drive—for example, c:\[system].

4. In the **Initial Size** and **Maximum Size** boxes, type an amount that is 1.5 times greater than the physical RAM installed. For example, if your system has 1 GB of RAM, type 1536.

5. Click **OK**.

Installing the Command Console

1. Ensure the Windows Server CD is in the CD-ROM/DVD drive.

2. From a Command Prompt, type **CDDrive:\i386\winnt32 /CMDCONS.**

Configuring the Temporary Directory Environment Variables

1. In the System Properties dialog box, **Advanced** tab, click **Environment Variables**.

   The Environment Variables dialog box appears.

2. In the **User** area, select **TEMP.**

3. Click **Edit.**

   The Edit User Variable dialog box appears.

4. In the **Variable Value Name** box, type **c:\TEMP.**

5. In the **User** area, select **TMP.**

6. Repeat steps 3 and 5, making sure to type **c:\TEMP** in the **Variable Value Name** box.

7. In the **System** area, select **TEMP.**

8. Repeat steps 3 and 5, making sure to type **c:\TEMP** in the **Variable Value Name** box.
9. In the **System** area, select **TMP**.
10. Repeat steps 3 and 5, making sure to type **c:\TEMP** in the **Variable Value Name** box.

Create the Prinergy Evo Specific Accounts

During installation of the Prinergy Evo software, you are prompted to enter an administrator user account and password. If this user account and password does not exist, Prinergy Evo automatically creates it and adds it to the administrator group. For more information, see the *Prinergy Evo System Administration Guide*.

Create a Shortcut on the Desktop for Uploading Files to Creo

To support Prinergy Evo, provide a standard link to upload files from the site to Creo support personnel.

1. On the desktop, from the **Start** menu, select **Run**.

   The Run dialog box appears.

1. In the **Open** box, type **ftp.creo.com/incoming**.
2. Click **OK**.
3. Once the page has opened, from the **Favorites** menu, select **Add to favorites...**. The Add Favorite dialog appears.
4. In the **Name** box, type **Upload Files For Creo Here.**
5. Click **OK** to create the favorite.

3.7.3 Backing Up the System Configuration

Creo recommends that you backup the system configurations to a safe network location or to media.

3.7.4 Installing Print Console

If connecting to a Trendsetter family device, you need to configure the operating system for connectivity to the device. See *Installing and Configuring Windows for Creo CTP Devices and Modems* on page 33.

Once you have configured the operating system install the Print Console device control software. For information on installing Print Console, see the *Print Console Installation Guide*.

3.7.5 Installing CS Xpose

If connecting to a Lotem 800 II, Lotem 800 Quantum, Lotem 800 Quantum Spectrum, Dolev 800 V, Dolev 800V2, Dolev 800V3 device, you need to configure the operating system for connectivity to the device. See *Installing and Configuring Windows for Creo CTP Devices and Modems* on page 33.

Once you have configured the operating system install the CS Xpose device control software. For information on installing CS Xpose, see the *CS Xpose Installation Guide*.

3.7.6 Installing Prinergy Evo



Note: During installation, make sure you install Prinergy Evo server software under administrator user account (for example, CreoAdmin) and password. Otherwise, Prinergy Evo may not work properly.

For information on installing Prinergy Evo, see the *Prinergy Evo Installation Guide* and *Prinergy Evo System Administration Guide*.

3.7.7 Installing the Installation Test Procedures and Scripts

1. Using the Prinergy Evo DVD, select the Install ITP Files option to install the latest version of ITP (Installation Test Procedures).
2. Upon completion, there should be a number of files in the **JobData\ITP** directory.
3. Complete the installation test procedure document supplied with the ITP files.

Installing and Configuring Windows for Creo CTP Devices and Modems

This section describes the Windows operating system components you need to configure in order to optimally run Print Console device control software or CS Xpose device control software.



Important: Connectivity to Dolev 800 family imagesetters via CS Xpose is not supported on Windows Server 2003 operating systems.

4.1 Setting the Display Properties

4.1.1 Setting the Display Properties in Windows 2000 Server

1. From the **Start** menu, select **Settings** > **Control Panel** > **Display**.

   The Display Properties dialog box appears.

2. In the **Settings** tab, **Screen** area, select **1024x768**, or higher if supported by the attached monitor.

3. In the **Colors** list, select **32 bit**.

4. Click **Advanced**.

   The Monitor dialog box appears.

5. In the **Monitor** tab, **Screen refresh rate** list, select **75hz**, or select whatever the maximum refresh rate is that is supported by the current monitor.

4.1.2 Setting the Display Properties in Windows Server 2003

1. From the **Start** menu, select **Settings** > **Control Panel** > **Display**.

   The Display Properties dialog box appears.

2. In the **Settings** tab, **Screen Resolution** area, select **1024x768**, or higher if supported by the attached monitor.

3. In the **Colors** list, select **32 bit**.

4. Click **Advanced**.

   The Monitor dialog box appears.

5. In the **Monitor** tab, **Screen refresh rate** list, select **75hz**, or select whatever the maximum refresh rate is that is supported by the current monitor.

4.2 Configuring the System Settings

To configure the system settings, you need to configure the startup and recovery settings, configure the temporary directory environment variables, and set the virtual memory.

4.2.1 Configuring the Startup and Recovery Settings

Configuring Startup and Recovery Settings for Windows 2000 Server

1. From the **Start** menu, select **Settings** > **Control Panel** > **System**.

   The System Properties dialog box appears.

2. In the **Advanced** tab, **Startup Recovery** area, click **Startup and Recovery**.

   The Startup and Recovery dialog box appears.

3. In the **Write debugging information** list, select **None**.
4. In the **Display list of operating systems for** box, type **5**.
5. Clear the **Automatically reboot** check box.
6. Click **OK**.

Configuring Startup and Recovery Settings for Windows Server 2003

1. From the **Start** menu, select **Settings** > **Control Panel** > **System**.

   The System Properties dialog box appears.

2. In the **Advanced** tab, **Startup Recovery** area, click **Settings**.

   The Startup and Recovery dialog box appears.

3. In the **Write debugging information** list, select **None**.
4. In the **Time to display list of operating systems for** box, type **5**.
5. Clear the **Automatically reboot** check box.
6. Click **OK**.

4.2.2 Configuring the Temporary Directory Environment Variables

1. In the System Properties dialog box, **Advanced** tab, click **Environment Variables**.

   The Environment Variables dialog box appears.

2. In the **User** area, select **TEMP**.
3. Click **Edit**.

   The Edit User Variable dialog box appears.

4. In the **Variable Value Name** box, type **c:\TEMP**.
5. In the **User** area, select **TMP**.

6. Repeat steps 3 and 5, making sure to type **c:\TEMP** in the **Variable Value Name** box.
7. In the **System** area, select **TEMP**.
8. Repeat steps 3 and 5, making sure to type **c:\TEMP** in the **Variable Value Name** box.
9. In the **System** area, select **TMP**.
10. Repeat steps 3 and 5, making sure to type **c:\TEMP** in the **Variable Value Name** box.

4.2.3 Configuring the Virtual Memory Settings

Configuring Virtual Memory Settings for Windows 2000 Server

1. In the System Properties dialog box, **Advanced** tab, **Performance** area, click **Performance Options**.

   The Performance Options dialog box appears.
2. In the **Virtual memory** area, click **Change**.

   The Virtual Memory dialog box appears.
3. In the **Drive** list, select the system drive—for example, c:\[system].
4. In the **Initial Size** and **Maximum Size** boxes, type an amount that is 1.5 times greater than the physical RAM installed. For example, if your system has 1 GB of RAM, type 1536.
5. Click **OK**.

Configuring Virtual Memory Settings for Windows 2000 Server

1. In the System Properties dialog box, **Advanced** tab, **Performance** area, click **Settings**.

   The Performance Options dialog box appears.
2. In the Advanced tab, **Virtual memory** area, click **Change**.

   The Virtual Memory dialog box appears.
3. In the **Drive** list, select the system drive—for example, c:\[system].
4. In the **Initial Size** and **Maximum Size** boxes, type an amount that is 1.5 times greater than the physical RAM installed. For example, if your system has 1 GB of RAM, type 1536.
5. Click **OK**.

4.3 Installing the Command Console

1. Ensure the Windows Server CD is in the CD-ROM/DVD drive.
2. From a Command Prompt, type **CDDrive:\i386\winnt32 /CMDCONS.**

4.4 Creating New User Accounts

Creating New User Accounts on a Windows 2000 Server Operating System



Important: If the Prinergy Evo server computer is part of a domain network system, you need to make sure to create all accounts with in the domain controller, not within the local windows operating system. For information on adding user accounts with in a domain see your Windows documentation or the *Prinergy Evo System Administration Guide*.

1. From the desktop, right-click **My Computer**, and select **Manage**.

   The Computer Management dialog box appears.

2. Select **Local Users and Groups**.
3. Right-click **Users** and select **New User**.

   The New User dialog box appears.

4. In the **User Name** box, type **MCEDevice**.
5. In the **Full Name** box, type **MCE CTP Controller Electronics**.
6. In the **Description** box, type **Built-in account for TCP/IP between MCE and WS**.
7. In the **Password** box, type **Creo1Spot**. (one not L).
8. Select **Password never expires.**
9. Click **Create.**
10. Select **Group.**
11. Right-click **Administrators** and select **Add to Group**.

    The Administrators Properties dialog box appears.

12. Click **Add.**

    The Select Users and Groups dialog box appears.

13. In the list of users, select **MCEDevice.**
14. Click **Add.**

    The MCEDevice user account is added to the Administrator's group.

15. Click **OK.**

    The MCEDevice user account is added to the Administrator group.

16. Repeat steps 1 to 15 to create unique administrator user account and password that you can provide to Creo for remote access and support.

Creating New Users on a Windows Server 2003 Operating System



Important: If the Prinergy Evo server computer is part of a domain network system, you need to make sure to create all accounts with in the domain controller, not within the local windows operating system. For information on adding user accounts with in a domain see your Windows documentation or the *Prinergy Evo System Administration Guide*.

1. From the desktop, right-click **My Computer**, and select **Manage**.

   The Computer Management dialog box appears.

2. Select **Local Users and Groups**.
3. Right-click **Users** and select **New User**.

   The New User dialog box appears.

4. In the **User Name** box, type **MCEDevice**.
5. In the **Full Name** box, type **MCE CTP Controller Electronics**.
6. In the **Description** box, type **Built-in account for TCP/IP between MCE and WS**.
7. In the **Password** box, type **Creo1Spot**. (one not L).
8. Select **Password never expires**.
9. Click **Create**.
10. Select **Group**.
11. Right-click **Administrators** and select **Add to Group**.

    The Administrators Properties dialog box appears.

12. Click **Add**.

    The Users, Computers, and Groups dialog box appears.

13. In the **Enter the object name to select** box, type **MCEDevice**.
14. Click **Check Names.**

    The system checks to make sure that the name is a valid user account name.

15. Click **OK**.

    The MCEDevice user account is added to the Administrator group.

16. Repeat steps 1 to 15 to create unique administrator user account and password that you can provide to Creo for remote access and support.

4.5 Configuring the Digi Driver

Configure the Digi driver if the Prinergy Evo server computer is connected to a Creo CTP device.

To configure the Digi driver you need to set the port speed and modify the Host file.

Setting the Port Speed

1. From the **Start** menu, select **Settings** > **Control Panel** > **Phone and Modem**.

   The Phone and Modem options dialog box appears.

2. In the **Modem** tab, click **Add**.

   The Add/Remove Hardware wizard appears.

3. Select **Do Not Detect My Modem** and click **Next**.

4. In the **Models** area, select **Communications cable between two computers** and click **Next.**
5. Select **Selected Ports.**
6. Select **COM3.**
7. Click **OK.**
8. In the Phone and Modem Options dialog box, select **Communications cable between two computer.**
9. Click **Properties.**

   The Communications cable between two computer Properties dialog box appears.
10. In the **General** tab, **Maximum Port Speed** list, select 57600.
11. Click **OK.**

Modifying the Host file

1. In Windows Explorer, browse to **C:\WINDOWS\System32\drivers\etc.**
2. Open in a text editor application, the **hosts** file.
3. In the hosts file, type **169.254.255.102 MCE .**



Important: When setting the Host file for Print Console connections to a Trendsetter MCE device, and you don't want to use the suggested IP addresses in this document, you must provide three IP addresses (in addition to the one for the server's connection to the LAN) for the procedures in this document. These addresses must be consecutive.

The first address is for the workstation socket. The second is for the RAS modem. The third is for the output device, and is the IP address that must be entered in the HOSTS file and in the firmware.

4.6 Configuring Incoming Connections

You only need to configure the incoming connections if the Prinergy Evo server computer is connected to a Creo CTP device or the server computer has a modem connection.



Important: If connecting to a Trendsetter MCE device via Print Console, and the Prinergy Evo Server computer works within a domain, you must create a Routing Remote Access Service (RRAS) to connect to the device or modem. You cannot connect Print Console in a domain environment, to a Trendsetter MCE device via incoming connections. See *Setting up RRAS.* on page 41.

To configure the incoming connections, you need to first create a new incoming connection network path and then configure it.

4.6.1 Creating a New Incoming Connection

Creating New Incoming Connections on a Windows 2000 Server

Operating System

1. From the **Start** menu, select **Settings** > **Network and Dial-up Connections** > **Make New Connection Wizard.**

   The New Connection wizard appears.

2. Click **Next.**
3. Select **Accept incoming connections** and click **Next.**
4. Select all connection devices and click **Next.**
5. Select **Do not allow virtual private connections** and click **Next.**
6. Select **Administrator, MCEDevice** (if applicable), and the administrator user account and password that you provide for Creo remote support. Click **Next.**
7. Select **Internet Protocol (TCP/IP).**
8. Click **Properties.**
9. Clear the **Allow callers access to my local area network** check box.
10. Select **Specify an IP Address.**



Important: If you don't want to use the suggested IP addresses in this document, you must provide three IP addresses (in addition to the one for the server's connection to the LAN) for the procedures in this document. These addresses must be consecutive.

The first address is for the workstation socket. The second is for the RAS modem. The third is for the output device, and is the IP address that must be entered in the HOSTS file and in the firmware.

11. In the **From** box, type **169.254.255.100.**
12. In the **To** box, type **169.254.255.102.**
13. Select the **Allow calling computer to specify its own IP address** check box.
14. Clear **Apple Talk Protocol.**
15. Click **Next** and then click **Finish.**

Creating New Incoming Connections on a Windows 2000 Server Operating System

1. From the **Start** menu, select **Settings** > **Network Connections** > **New Connection Wizard.**

   The New Connection wizard appears.

2. Click **Next.**
3. Select **Set up an Advanced Connection** and click **Next.**
4. Select **Accept incoming connections** and click **Next.**
5. Select all connection devices and click **Next.**
6. Select **Do not allow virtual private connections** and click **Next.**
7. Select **Administrator, MCEDevice** (if applicable), and the administrator user account and password that you provide for Creo remote support. Click **Next.**
8. Select **Internet Protocol (TCP/IP).**

9. Click **Properties.**
10. Clear the **Allow callers access to my local area network** check box.
11. Select **Specify an IP Address.**



Important: If you don't want to use the suggested IP addresses in this document, you must provide three IP addresses (in addition to the one for the server's connection to the LAN) for the procedures in this document. These addresses must be consecutive.

The first address is for the workstation socket. The second is for the RAS modem. The third is for the output device, and is the IP address that must be entered in the HOSTS file and in the firmware.

12. In the **From** box, type **169.254.255.100.**
13. In the **To** box, type **169.254.255.102.**
14. Select the **Allow calling computer to specify its own IP address** check box.
15. Clear **Apple Talk Protocol.**
16. Click **Next** and then click **Finish.**

4.6.2 Configuring the Incoming Connection.



Important: If connecting to a Trendsetter MCE device via Print Console, and the Prinergy Evo Server computer works within a domain, you must create a Routing Remote Access Service (RRAS) to connect to the device or modem. You cannot connect Print Console in a domain environment, to a Trendsetter MCE device via incoming connections.

Configuring the Incoming Connection on a Windows 2000 Server Operating System

1. From the **Start** menu, select **Settings** > **Network Connection** > **Incoming Connections.**

   The Incoming Connection dialog box appears.
2. In the **Users** tab, clear **Always allow directly connected devices such as palm top computers to connect without a password.**
3. Clear **Require all users to secure their passwords and data.**
4. In the **General** tab, select the **Show Icon on task bar when connected** check box.
5. Click **OK.**

Configuring the Incoming Connection on a Windows Server 2003 Operating System

1. From the **Start** menu, select **Settings** > **Network Connection** > **Incoming Connections.**

   The Incoming Connection dialog box appears.
2. In the **Users** tab, clear **Always allow directly connected devices such as palm top computers to connect without a password.**
3. In the **General** tab, select the **Show Icon in notification area when connected** check box.

4. Click **OK**.
5. From a command prompt, type **NETSH** and press ENTER.
6. Type **RAS** and press ENTER.
7. Type **ADD AUTHTYPE PAP** and press ENTER.

4.7 Setting up RRAS.



Important: If connecting to a Trendsetter MCE device via Print Console, and the Prinergy Evo Server computer works within a domain, you must create a Routing Remote Access Service (RRAS) to connect to the device or modem. You cannot connect Print Console in a domain environment, to a Trendsetter MCE device via incoming connections.

Use the Routing and Remote Access (RRAS) tool to set up remote access.

- Configure remote access properties.
- Configure the log file.
- Ensure that Remote Access Policies do not conflict with the properties you configured for remote access.



Note: Currently, Domain Configuration using DHCP is not supported.

To set up remote access:

1. Select **Start** > **Programs** > **Administrative Tools** > **Routing and Remote Access**.

   The Routing and Remote Access dialog box appears.
2. In the left panel, select the local computer name, right click, and select **Configure and Enable Routing and Remote Access.**

   The Setup Wizard dialog box appears.
3. Click **Next.**
4. Select **Remote Access Server.**
5. Click **Next.**
6. Select **Set up as advanced remote access server** and click **Next**. TCP/IP should appear as one of the protocols.
7. Click **Next** and clear the **Allow unauthenticated access for all remote clients** check box.
8. Click **Next** and select **From a Specified Range of Addresses** in the IP Address Assignment window.
9. Click **Next** and then click **New.**
10. In the **Start IP Address** box, type the first of the three consecutive IP address numbers, for example 169.255.10.100.
11. In the **End IP Address** box, type the last of the three consecutive IP addresses numbers, for example 169.255.10.102.
12. In the **Number of addresses** box, type **3**.

13. Click **OK**.
14. Click **Next**.
15. Select **No, I don't want to set up this server to use an existing RADIUS server**.
16. Click **Next**.
17. Click **Finish**. An error message may appear stating it is not able to add this computer to the list of valid remote access servers in the Active Directory.
18. Click **OK**.

    The Remote Access dialog box appears.

To configure remote access:

1. In the Routing and Remote Access dialog box, in the left panel, right-click the local computer name, and select **Properties**.

   The <ComputerName>(local) Properties dialog box appears.
2. In the **Security** tab, click **Authentication Methods** and select these check boxes:
   - **Microsoft encrypted authentication version 2 (MS-CHAP v2)**
   - **Microsoft encrypted authentication (MS-CHAP)**
   - **Encrypted authentication (CHAP)**
   - **Unencrypted password (PAP)**
3. Click **OK**.
4. Click **OK** and ignore the warning message.
5. In the **IP** tab, select **Enable IP Routing, Allow IP-based remote access and demand-dial connections**, and, in the **IP address assignment** area, **Static address pool**.
6. In the **NetBEUI** and **AppleTalk** tabs, accept the default settings.
7. In the **PPP** tab, select all the options.
8. In the **Event Logging** tab, select settings based on the customer's preferences. Creo recommends selecting **Log errors and warnings** and **Enable Point-to-Point Protocol (PPP) logging**.
9. Click **OK** and then click **OK** in the following message:

To set up log files:

1. In the Routing and Remote Access dialog box, in the left panel, select the Remote Access Logging option, and in the right panel right click **Local File**, and select **Properties**.
2. In the **Settings** tab, select **Log authentication requests**.
3. In the **Local File** tab, in the **Log file format** section, select **Database compatible file format**. In the **New log time period** section, select **When the log file size reaches** and enter a size in the **MB** box (suggested size is 5 MB).
4. Click **OK**.

To configure Remote Access Policies:

1. In the Routing and Remote Access dialog box, in the left panel, select the **Remote Access Policies** option, double-click the policy for remote access.

   The <PolicyName> Properties dialog box appears.

2. Click **Add**.

   The Select Attribute dialog box appears.

3. Select **Day and Time Restrictions.**
4. Click **Add**.
5. Select the **Time of day constraints** and click **OK**.
6. Select **Grant remote access permission** and click **Edit Profile**.
7. In the **Dial-in Constraints** tab, clear all options.
8. In the **IP** tab, in the **IP Address Assignment Policy**, select **Client may request an IP address**.
9. Configure the **Authentication** tab to match the settings in the RRAS **Security** tab > **Authentication Methods**. See *To configure remote access:* on page 42.
10. In the **Encryption** tab, select all the options.
11. Click **OK**.