Scan to PC Desktop

Network Installation Guide

Version 8.0

Scan to PC Desktop v8.0
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Document version 3.0

This document provides instructions for installing the software associated with Scan to PC Desktop in a network environment.

NOTE: Scan to PC Desktop Workgroup Edition products, including OmniPage, PaperPort PDF Converter Professional and Image Retriever are translated into English, French, Italian, German, Spanish, and Brazilian Portuguese. These products are designed to work with an operating system that is properly configured with the corresponding language. Use of these products with operating systems that are configured with non-supported languages is not recommended or supported.

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Introduction

This guide provides instructions for installing the software associated with *Scan to PC Desktop* in a network environment.

Targeted users are administrators, Information Technology specialists or programmers who set up or perform network installations. It assumes the reader is familiar with Microsoft Windows 2000/2003 Server with Active Directory or with Microsoft Systems Management Server (SMS), in addition to program package setup, advertising and distribution.

Network installation enables a network administrator to manage and distribute software applications without the need to visit each client system.

First administrative images of the applications (the components of *Scan to PC Desktop*) should be created on the server. Then the server should be configured to automatically "push" the applications onto the client machines.

Scan to PC Desktop software components

Scan to PC Desktop is delivered in two CD-ROM variants: *Special Edition* and *Professional Edition*.

These two editions of **Scan to PC Desktop** comprise different software products from ScanSoft. All the installers of these software components support MSI (Windows Installer-based) distribution.

Software components for *Special Edition CD-ROM*:

	Software component
1	*PaperPort 10 SE*
2	*OmniPage SE 4.0*
3	*Image Retriever 6 SE*

Software components for *Professional Edition CD-ROM*:

	Software component
1	*PaperPort Professional 10*
2	*OmniPage Professional 15*
3	*Image Retriever 6 Pro*
4	*PDF Converter Professional 3*

Any combination of the products on the CD-ROMs can be installed under the following limitations:

1.) To install Image Retriever, you must install PaperPort first.

2.) To ensure full functionality of *PaperPort Professional* and *OmniPage Professional 15, PDF Converter Professional 3* must also be installed.

You can create as many administrative images on a network location as many software components **Scan to PC Desktop** includes.

Windows 2000/2003 Server with Active Directory Support

Active Directory is a feature of Windows 2000 Advanced Server and Windows 2003 Server. Group Policy, a component of Active Directory, includes a Software Installation snap-in that enables an administrator to create a network installation. The administrator can use this feature to install software to Windows 2000 and Windows XP clients only. The snap-in cannot be used to install software to clients with older versions of the Windows operating system.

In general, Active Directory supports three main installation scenarios: *Publish to Users*, *Assign to Users*, and *Assign to Computers*. The software components of **Scan to PC Desktop** support the *Assign to Computers* scenario only. This will successfully install the software on next system reboot.
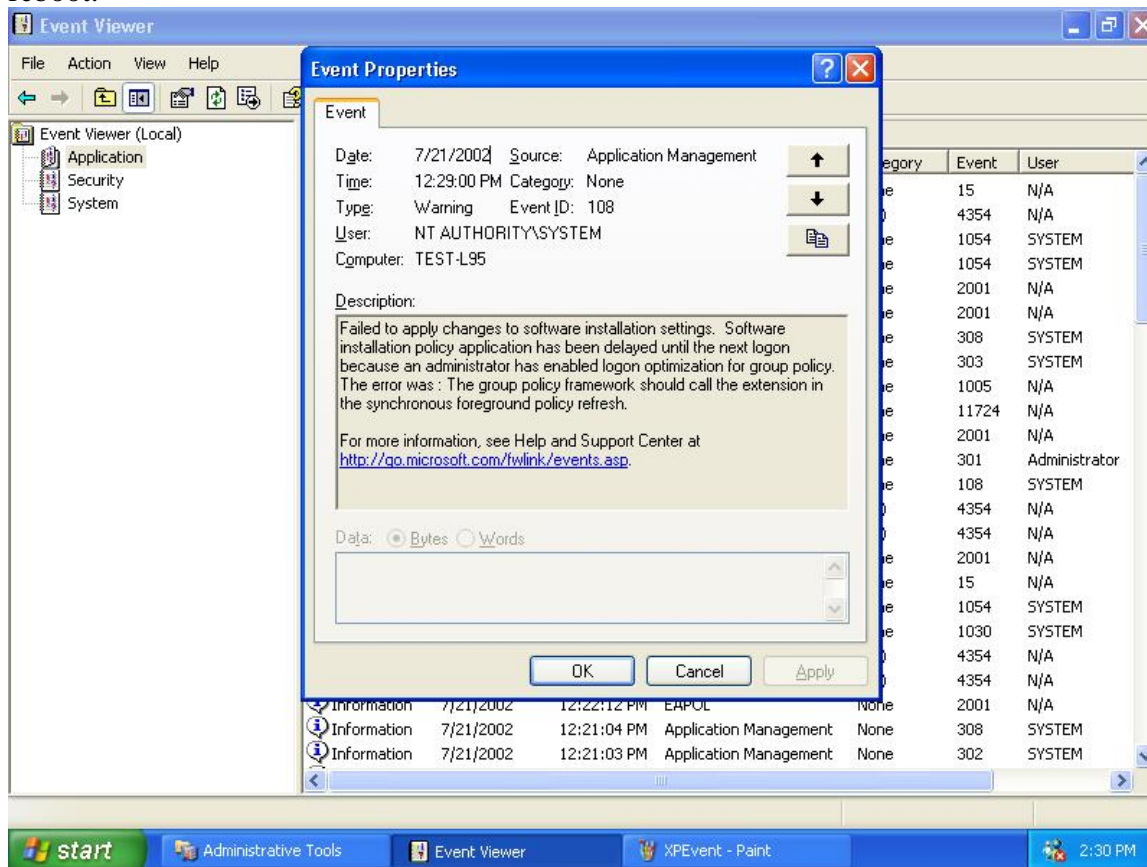
Installation can be delayed on Windows XP clients when the administrator enables logon optimization for group policy: for this type of installation, an entry can be viewed in the event log after the first reboot. The installation takes place silently, and the software is installed for all users of the given computer.
The screenshot above illustrates this case.

Systems Management Server Support

Systems Management Server (SMS) provides a mechanism for pushing application installations out from the server to client systems. SMS supports the following versions of Windows: Windows 95, 98, Me, NT 4.0, 2000, and XP when installing products that use Windows Installer (MSI) technology. SMS requires a client application to be installed on all client machines. The software components of **Scan to PC Desktop** were tested using SMS version 2.0 with Service Pack 4.

SMS enables you to deploy a setup package *per User* or *per System*. The software components have been verified to work in the *per System* configuration only. The *per System* installation of the components can be configured to run either *unattended* or *attended*. Instructions for controlling this process are provided below.

All the software components of **Scan to PC Desktop** use Windows Installer Technology. The official Microsoft document describing the usage of Windows Installer-based applications with SMS (entitled "Deploying Windows Installer Setup Packages with Systems Management Server 2.0"). The document, is available at
http://www.microsoft.com/smserver/techinfo/deployment/20/

Creating administrative images

This section describes how to create administrative images of the software components of *Scan to PC Desktop* onto the network.

Such an administrative installation will extract the necessary files into a network location specified during the installation. This location is also known as a *Software Distribution Point.*

An administrative installation will not install any program files.

Administrators can run an administrative installation from the command line by using the /a command line option. Users in a workgroup who have access to this administrative image can then install the product from this source.

```
    SETUP /a
or
    MSIEXEC /a <MSI-filename>
```

The following options can be used together with the SETUP executable:

Setup option	Description
/a	Administrative installation option. This instructs SETUP.exe to perform an administrative installation instead of a normal installation.
/v	Precedes the list of arguments or properties that are passed to the Windows Installer.
/L (followed by the Windows Language Code)	If applicable, specifies the setup language to use for installation. The following language codes are supported: • 1031=German • 1033=English • 1034=Spanish • 1036=French • 1040=Italian • 1046=Brazilian-Portuguese

Creating administrative images of the components

To create an administrative image on the network for any application
1. Use the below tables to locate the installer of *the application* on the CD-ROM.
2. Launch SETUP.exe or MSIEXEC with appropriate command line options including the administrative installation option:
   ```
   SETUP /a
   ```
   or
   ```
   MSIEXEC /a "ScanSoft PaperPort 10.msi"
   ```
   or e.g. for German setup language:
   ```
   SETUP /a /L1031
   ```

3. If applicable, select a language for the administrative installation (not necessary if setup language was specified in the command line).
4. During installation, specify a target network location for the administrative image to be created.
5. Share this location (*Software Distribution Point*).

Software components and their installer locations for the *Special Edition*:

	Software component	Installer location on the CD-ROM	Command
1	*PaperPort 10 SE*	`PP10SE\PaperPort`	`SETUP /A`
2	*OmniPage SE 4.0*	`OPSE4\OmniPage`	`SETUP /A`
3	*Image Retriever 6 SE*	`IR60SE`	`SETUP /A`

Software components and their installer locations for the *Professional Edition*:

	Software component	Installer location on the CD-ROM	Command
1	*PaperPort Professional 10*	`PP10PRO\PaperPort`	`SETUP /A`
2	*OmniPage Professional 15*	`OP15PRO`	`SETUP /A`
3	*Image Retriever 6 Pro*	`IR60PRO`	`SETUP /A`
4	*PDF Converter Professional 3*	`PDFCONV3PRO\<lang-folder>\` `PDFConverterPro`	`SETUP /A`

Deployment - Active Directory

This section describes how to install the software components of **Scan to PC Desktop** onto clients' systems using Active Directory.

Prerequisites

- A working Active Directory environment.
- A *Software Distribution Point* (with administrative images of the software components)
- A deployment target computer that is a member of a domain, site, or organizational unit.
- MSI 2.0 installed on the target computer.

Installation order

Before starting to install any component of **Scan to PC Desktop,** please ensure that InstallShield's Installscript engine(s) is/are installed on the target computer.
Note that the installer of PaperPort assumes that the Installscript v8 engine installer (ISSCRIPT8.msi) is installed. Other software components on the CD-ROM require Installscript v10 engine installer (ISSCRIPT10.msi) be installed.
You can find the Installscript v10 engine installer e.g. in the folder of the OmniPage component (in `OP15PRO\OmniPage`) on the CD-ROM. The Installscript v8 engine installer is located in PaperPort folder on the CD-ROM (in `PP10PRO\PaperPort`).

Once the necessary Installscript engines are installed, the different components can be installed in any combination. Note that the installation of PaperPort must precede that of Image Retriever.

The preferred order of the installations of the different components is the following:

	Software component	Installer
1	*Installscript engine (v8)*	`ISSCRIPT8.msi`
2	*PaperPort Professional 10*	`ScanSoft PaperPort 10.msi`
3	*Installscript engine (v10)*	`ISSCRIPT10.msi`
4	*OmniPage Professional 15*	`ScanSoft OmniPage 15.0.msi`
5	*Image Retriever 6 Pro*	`Image Retriever 6.0.msi`
6	*PDF Converter Professional 3*	`ScanSoft PDF Professional 3.0.msi`

Deployment steps

This procedure describes how to install a given component of **Scan to PC Desktop.**
You must repeat the steps below, as many times as many software component installations are needed.

1. Open Administrative Tools\Active Directory Users and Computers, select the object, then a domain, site, or organization unit. Create a Group Policy Object as follows:

a. Right-click the domain or the selected container.

b. Select **Properties**, click the **Group Policy** tab, select **New**, and then name the new policy.

c. Close the Active Directory Users and Computers dialog box.

2. Use Microsoft Management Console (MMC) to open the new Group Policy Object:

a. In the **Run** command dialog box, type **mmc** to open Console1.

b. Navigate to Console\Add\Remove Snap-in, click the **Add** button, and then select **Group Policy** from the menu list.

c. Select the Group Policy Object that you have just created.

3. Configure the new Group Policy Object to install the software component as follows:

a. Under the console root\Group Policy <name>, select **Computer Configuration**, **Software Settings**, right-click **Software Installation**, select **New**, and then **Package**.

*Note: InstallShield's Installscript engine(s) must be installed before installing any component of **Scan to PC Desktop**. That is, the Installscript engine installer (ISSCRIPT8.msi and/or ISSCRIPT10.msi) must be the very first software installation package.*

b. Browse to the shared network folder (administrative image) that contains the component's installation package and select its installer for the package. (e.g. **ScanSoft PaperPort 10.msi**)

The component properties dialog box opens. In the General tab, the name of the software component (e.g. PaperPort Professional 10) will be listed under Name.

Note: The installer names for the components are listed below in the Professional and Standard tables.

c. In the Deployment tab, under Deployment Type, select **Assigned**, and make sure that **Basic** is selected under Installation User Interface Option.

d. To specify the installation language, go to the Modification tab, click the Add button and choose the appropriate language transform file.

Note: If the installer of the software component supports more then one UI languages, and you need a non-English installation, one of the language transform files must also be specified.
(For example, to specify a German installation, add the file 1031.mst.)
To read more about Windows Language Codes for the language transform files, see the chapter "Creating administrative images".

e. Close the dialog box, and then select **Software Installation**.

The settings for the installation package will be displayed on the right side of the screen, and the component will be installed to the targeted client systems upon their restart.

The installation is a "silent install" and is installed for all users on the specified computer.
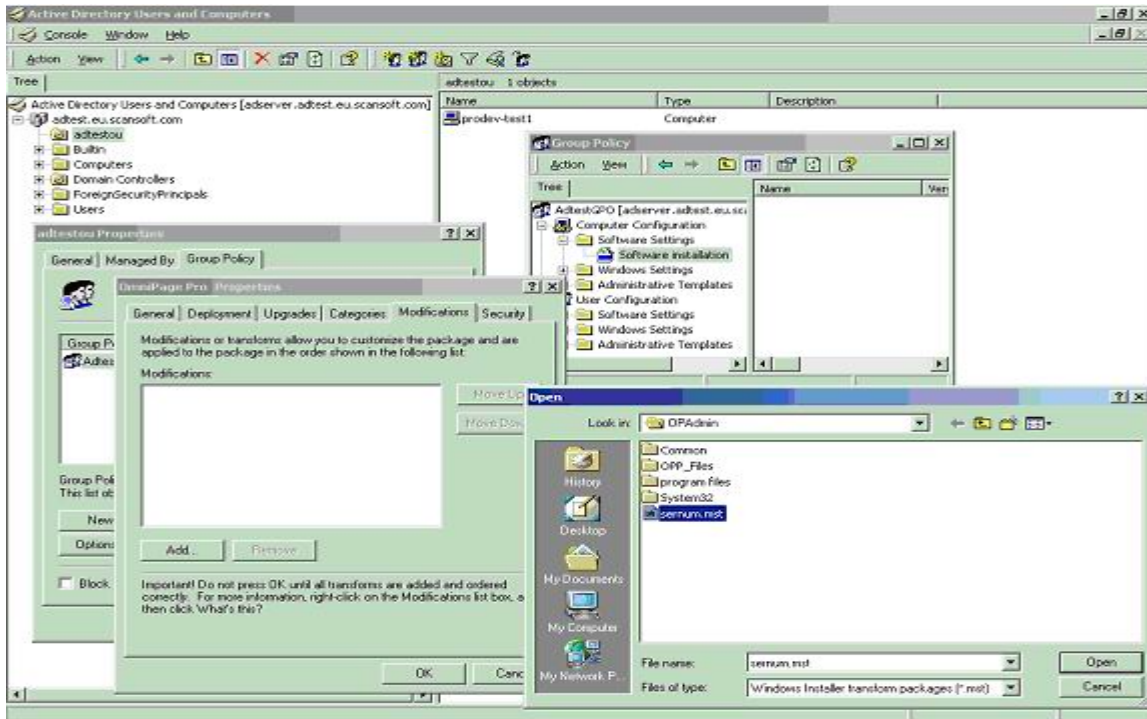
Software components and their installers for the *Special Edition*:

Software component	Installer
InstallShield Installscript engine (v8)	`ISSCRIPT8.msi`
PaperPort 10 SE	`ScanSoft PaperPort 10.msi`
InstallShield Installscript engine (v10)	`ISSCRIPT10.msi`
OmniPage SE 4.0	`ScanSoft OmniPage SE 4.0.msi`
Image Retriever 6 SE	`Image Retriever 6.0.msi`

Software components and their installers for the *Professional Edition*:

Software component	Installer
Installscript engine (v8)	`ISSCRIPT8.msi`
PaperPort Professional 10	`ScanSoft PaperPort 10.msi`
Installscript engine (v10)	`ISSCRIPT10.msi`
OmniPage Professional 15	`ScanSoft OmniPage 15.0.msi`
PDF Converter Professional 3	`ScanSoft PDF Professional 3.0.msi`
Image Retriever 6 Pro	`Image Retriever 6.0.msi`

Microsoft introduced a new feature in Windows XP called Fast Logon Optimization. This feature will typically log the user in quickly even off the network.

This causes software installation via group policy to sometimes take many reboots to actually install managed software (you must reboot at least once after the group policy change just to refresh the policy on the local machine plus once to install the software.

For more details see the following Microsoft website:
http://www.microsoft.com/technet/prodtechnol/windowsserver2003/library/Operations/ae11795f-6d3c-44b4-a231-7670dc6c05e1.mspx

Deployment - SMS server

This section describes how to install software components of *Scan to PC Desktop* onto a client's system using SMS Server.

Prerequisites

- A *Software Distribution Point* (with administrative images of the software components)
- A deployment target computer that is a member of a domain, site, or organizational unit.
- MSI 2.0 installed on the target computer.

Installation order

Before starting to install any component of *Scan to PC Desktop,* please ensure that InstallShield's Installscript engine be installed on the target computer.
You can find the Installscript engine installer (ISSCRIPT10.msi) in the folder of the OmniPage component (in `OP15PRO\OmniPage`) on the CD-ROM.

Once the Installscript engine is installed, the different components can be installed in any combination.

Note that successful installation of Image Retriever requires a preceding PaperPort installation.

The preferred order of the installations of individual components is the following:

Software components and their installers for the *Special Edition*:

	Software component	Installer
1	*Installscript engine (v8)*	ISSCRIPT8.msi
2	*PaperPort 10 SE*	ScanSoft PaperPort 10.msi
3	*Installscript engine (v10)*	ISSCRIPT10.msi
4	*OmniPage SE 4*	ScanSoft OmniPage SE 4.0.msi
5	*Image Retriever 6 SE*	Image Retriever 6.0.msi

Software components and their installers for the *Professional Edition*:

	Software component	Installer
1	*Installscript engine (v8)*	ISSCRIPT8.msi
2	*PaperPort Professional 10*	ScanSoft PaperPort 10.msi
3	*Installscript engine (v10)*	ISSCRIPT10.msi
4	*OmniPage Professional 15*	ScanSoft OmniPage 15.0.msi
5	*PDF Converter Professional 3*	ScanSoft PDF Professional 3.0.msi
6	*Image Retriever 6 Pro*	Image Retriever 6.0.msi

Deployment steps

Please follow the instructions below to install the components of **Scan to PC Desktop** appropriately.
If the installer of any software component supports more than one UI languages, and a non-English installation is needed, one of the language transform files must also be specified in the command-line (Presented as `<LANG-TRFILE.mst>` below). For example, to specify a German installation, use the following transforms tag: `TRANSFORMS="1031.mst"`

Note: To read more about Windows Language Codes for the language transform files, see the chapter "Creating administrative images".

1. To install the *Installscript engine* for a PaperPort installation, use the following command-line:
   ```
   MSIEXEC /i ISSCRIPT8.msi  /qb+
   ```

2. To install the *Installscript engine* for any other software component, use the following command-line:
   ```
   MSIEXEC /i ISSCRIPT10.msi  /qb+
   ```

3. To install *PaperPort Professional 10*, use the following command-line:
   ```
   MSIEXEC /i "ScanSoft PaperPort 10.msi" ALLUSERS=2
       TRANSFORMS=<LANG-TRFILE.mst>  /qb+
   ```

4. To install *PaperPort 10 SE*, use the following command-line:
   ```
   MSIEXEC /i "ScanSoft PaperPort 10.msi" ALLUSERS=2
       TRANSFORMS=<LANG-TRFILE.mst>  /qb+
   ```

5. To install *OmniPage Professional 15*, use the following command-line:
   ```
   MSIEXEC /i "ScanSoft OmniPage 15.0.msi" ALLUSERS=2
       TRANSFORMS=<LANG-TRFILE.mst>  /qb+
   ```

6. To install the *OmniPage SE 4*, use the following command-line:
   ```
   MSIEXEC /i "ScanSoft OmniPage SE 4.0.msi" ALLUSERS=2
       TRANSFORMS=<LANG-TRFILE.mst>  /qb+
   ```

7. To install *PDF Converter Professional 3*, use the following command-line:
   ```
   MSIEXEC /i "ScanSoft PDF Professional 3.0.msi" ALLUSERS=2 /qb+
   ```

8. To install *Image Retriever 6 Pro* or *Image Retriever 6 SE* use the following command-line:
   ```
   MSIEXEC /i "Image Retriever 6.0.msi" ALLUSERS=2
       TRANSFORMS=<LANG-TRFILE.mst> [<other_IR_install_params>] /qb+
   ```

   where the optional `<other_IR_install_params>` parameters can be used to customize Image Retriever at its install time. The following installer properties can be used for this purpose:
   `WATCHFOLDER`, `FOLDERWATCH`, `EMAILPROFILE`, `EMAILWATCH`, `POLINT` and `PPACTION`.

   For more details, please see the *Customized Install* section of the Image Retriever Guide.

You can now advertise the packages to your SMS clients.

Examples (SMS server installation)

1. To install *PaperPort Professional 10* with **English user interface**, use the following command-line:
    ```
    MSIEXEC /i "ScanSoft PaperPort 10.msi" ALLUSERS=2
        TRANSFORMS=1033.mst  /qb+
    ```

2. To install *PaperPort Professional 10* with **German user interface**, use the following command-line:
    ```
    MSIEXEC /i "ScanSoft PaperPort 10.msi" ALLUSERS=2
        TRANSFORMS=1031.mst  /qb+
    ```

3. To install *OmniPage Professional 15* with **English user interface**, use the following command-line:
    ```
    MSIEXEC /i "ScanSoft OmniPage 15.0.msi" ALLUSERS=2
        TRANSFORMS=1033.mst  /qb+
    ```

4. To install *OmniPage Professional 15* with **German user interface**, use the following command-line:
    ```
    MSIEXEC /i "ScanSoft OmniPage 15.0.msi" ALLUSERS=2
        TRANSFORMS=1031.mst  /qb+
    ```

5. To install *OmniPage SE 4* with **English user interface**, use the following command-line:
    ```
    MSIEXEC /i "ScanSoft OmniPage SE 4.0.msi" ALLUSERS=2
        TRANSFORMS=1033.mst  /qb+
    ```

6. To install *PDF Converter Professional 3*, use the following command-line:
    ```
    MSIEXEC /i "ScanSoft PDF Professional 3.0.msi" ALLUSERS=2 /qb+
    ```

7. To install *Image Retriever 6 Pro* or *Image Retriever 6 SE* with **English user interface**, use the following command-line:
    ```
    MSIEXEC /i "Image Retriever 6.0.msi" ALLUSERS=2
        TRANSFORMS=1033.mst  /qb+
    ```

8. To install *Image Retriever 6 Pro* or *Image Retriever 6 SE* with **English user interface** by specifying the folder to watch and enable folder-watching, use the following command-line:
    ```
    MSIEXEC /i "Image Retriever 6.0.msi" ALLUSERS=2
        TRANSFORMS=1033.mst
        WATCHFOLDER=\\OMEGA\SCANS FOLDERWATCH=1  /qb+
    ```

9. To install *Image Retriever 6 Pro* or *Image Retriever 6 SE* with **German user interface**, by setting the default watch interval to 5 minutes, use the following command-line:
    ```
    MSIEXEC /i "Image Retriever 6.0.msi" ALLUSERS=2
        TRANSFORMS=1031.mst POLINT=9  /qb+
    ```

For the possible values, see the *Customized install* section of the Image Retriever Guide.