

Version 10.0

Scan to PC Desktop v10.0 Network Installation Guide

Document version 4.0

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, Brazilian Portuguese and Russian. 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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# **Scan to PC Desktop v10.0 Network Installation Guide**

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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.

If you are upgrading and you have any previous versions of the Scan to PC Desktop software components on client systems, make sure you uninstall them first and only then proceed with the installation

In the installation sequence, 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 variants: *Special Edition* and *Professional Edition*. These two editions of **Scan to PC Desktop** comprise different software products from Nuance. All the installers of these software components support MSI (Windows Installer-based) distribution

Software components for *Special Edition CD-ROM*:

	Software component
1	PaperPort 11 SE
2	OmniPage SE 16
3	Image Retriever 9
4	PaperPort Image Printer

Software components for *Professional Edition CD-ROM*:

	Software component
1	PaperPort Professional 11
2	OmniPage Professional 16
3	Image Retriever 9
4	PaperPort Image Printer
5	RealSpeak Solo
6	SharePoint Link
7	ODMA Link
8	PDF Converter Professional 5

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

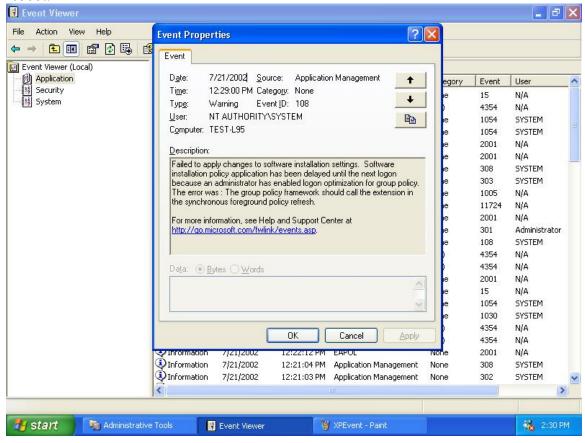
- 1.) To install Image Retriever, you must install PaperPort first.
- 2.) To ensure full functionality of *PaperPort Professional 11* and *OmniPage Professional 16*, *PDF Converter Professional 5* must also be installed.
- 3.) To install SharePoint Link or ODMA link, you must install PaperPort first..
- 4.) To ensure full functionality of *PDF Converter Professional 5, RealSpeak Solo* 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, Windows XP, and Windows Vista 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 all versions of Windows 2000, XP and Vista when installing products that use Windows Installer (MSI) technology. SMS requires that a client application be installed on all client machines. PaperPort was tested using SMS version 2.0 with Service Pack 2 and Windows 2000 Server with Service Pack 4. Be aware that it does not support Windows NT 4.0. The software components of *Scan to PC Desktop* were tested using SMS Server version 2.0 with Service Pack 4 and SMS Server 2003 with Service Pack 3.

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	If applicable, specifies the setup language to use for installation. The following language codes are supported:	
Language Code)	• 1031=German	
	• 1033=English	
	• 1034=Spanish	
	• 1036=French	
	• 1040=Italian	
	• 1046=Brazilian-Portuguese	
	• 1046=Russian	

## 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 11.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 11 SE	PP11SE\PaperPort	SETUP /A
2	OmniPage SE 16	OPSE16\OmniPage	MSIEXEC /A
3	Image Retriever 9	IR90PRO	SETUP /A
4	PaperPort Image Printer	PP11SE\PaperPort\PrinterDriver	SETUP /A

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

	Software component	Installer location on the CD-ROM	Command
1	PaperPort Professional 11	PP11PRO\PaperPort	SETUP /A
2	OmniPage Professional 16	OP16PRO\OmniPage	MSIEXEC /A
3	Image Retriever9	IR90PRO	SETUP /A
4	PaperPort Image Printer	PP11PRO\PaperPort\PrinterDriver	SETUP /A
5	RealSpeak Solo	RSSOLO	SETUP /A
6	SharePoint Link	PPLINKS\SP	SETUP /A
7	ODMA Link	PPLINKS\ODMA	SETUP /A
8	PDF Converter Professional 5	PDFCONV5PRO\ <os>\PDFProfessional</os>	SETUP /A

#### Note

• PDF Converter Professional 5 and PaperPort Image Printer have 32- and 64-bit versions. They are located at the folders <System32 or System64>, respectively. Use the ones appropriate for your target operating system.

#### **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 3.1 installed on the target computer.

**Note:** Windows 2000 clients may not have MSI 3.1 installed. In such cases make sure you install it first. Download it from <a href="http://support.microsoft.com/kb/89380">http://support.microsoft.com/kb/89380</a>. This website also provides comprehensive information on MSI 3.1.

You can also find this installer in the folder of the PaperPort component (PP11PRO\PaperPort\Utilities\WindowsInstaller-KB893803-v2-x86.exe) on the CD-ROM

• On 32-bit systems, you also need to use vcredist\_x86.exe; whereas on 64-bit systems, both vcredist\_x86.exe and vcredist\_x64.exe. You can download these components from Microsoft's website. You can also find them on the CD-ROM in the following folders: vcredist\_x86.exe is in the PREREQ folder in the CD root

vcredist x64.exe is in the PREREQ\System64 folder in the CD root

To install them, proceed as follows:

32-bit systems:

Run vcredist\_x86.exe /t:"<full path>32" /c. This self-extracting executable will create a folder at the path you specified with the suffix 32 added to its name. Use the vcredist.msi file unpacked to this folder for product installation.

64-bit systems:

Do the above step, then repeat it for vcredist\_x64.exe as well to unpack the .msi file needed for installation on 64-bit systems. To do this, use the following command line: vcredist x64.exe /t:"<full path>64"/c.

#### **Installation order**

Before starting to install any component of *Scan to PC Desktop*, please ensure that InstallShield's Installscript engines and the redistributable vcredist\_x86.exe and vcredist\_x64.exe packages are installed on the target computer.

Note that software components on the CD-ROM require Installscript v10 engine installer (ISSCRIPT10.msi) to be installed.

You can find the Installscript v10 engine installer in the folder of the PaperPort component (in PP11PRO\PaperPort) on the CD-ROM.

SharePoint and ODMA links also require Installscript v8 engine installer (ISSCRIPT8.msi) to be installed. You can find the Installscript v8 engine installer in the PPLINKS folder on the CD-ROM.

Once the necessary Installscript engines and the redistributable packages are installed, the different components can be installed in any combination.

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

	Software component	Installer
1	Installscript engine 10	ISSCRIPT10.msi
2	Installscript engine 8	ISSCRIPT8.msi
3	Redistributable	vcredist.msi file(s)
	vcredist_x86.exe (and	
	vcredist_x64.exe on 64-bit	
	systems) package(s)	
4	PaperPort Professional 11	ScanSoft PaperPort 11.msi
5	OmniPage Professional 16	ScanSoft OmniPage 16.msi
6	Image Retriever 9	Image Retriever 9.msi
7	PaperPort Image Printer	PaperPort Image Printer.msi
8	PDF Converter Professional 5	Nuance PDF Professional 5.msi
9	RealSpeak Solo	RSSolo.msi
10	SharePoint Link	SharePoint Link.msi
11	ODMA Link	ODMALink.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 must be installed before installing any component of **Scan to PC Desktop**. That is, the Installscript engine installer (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 11.msi**)

The component properties dialog box opens. In the General tab, the name of the software component (e.g. PaperPort Professional 11) 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.

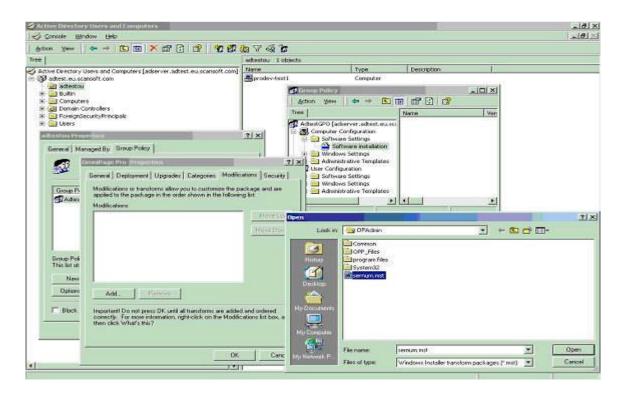
Note: If the installer of the software component supports more then one UI languages, and you need a non-English installation, one of the language transform files must also be specified. (For example, to specify a German installation, add the file 1031.mst.)

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. *Note:* For the correct installation of PaperPort, Windows 2000 clients require SP4.



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

Software component	Installer
InstallShield Installscript engine	ISSCRIPT10.msi
Redistributable vcredist_x86.exe (and	vcredist.msi file(s)
vcredist_x64.exe on 64-bit systems)	
package(s)	
PaperPort 11 SE	ScanSoft PaperPort 11.msi
OmniPage SE 16	ScanSoft OmniPage SE 16.msi
Image Retriever 9	Image Retriever 9.msi
PaperPort Image Printer	PaperPort Image Printer.msi

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

Software component	Installer
Installscript engine	ISSCRIPT10.msi
Redistributable vcredist_x86.exe (and	vcredist.msi file(s)
vcredist_x64.exe on 64-bit systems)	
package(s)	
PaperPort Professional 11	ScanSoft PaperPort 11.msi
OmniPage Professional 16	ScanSoft OmniPage 16.msi
PDF Converter Professional 5	Nuance PDF Professional 5.msi
Image Retriever 9	Image Retriever 9.msi
PaperPort Image Printer	PaperPort Image Printer.msi
RealSpeak Solo	RSSolo.msi
SharePoint Link	SharePoint Link.msi
ODMA Link	ODMALink.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 in "Create a new package and program" Wizard mode.

#### **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 3.1 installed on the target computer.

#### **Notes**

- Windows 2000 clients may not have MSI 3.1 installed. In such cases make sure you install it first. Download it from http://support.microsoft.com/kb/89380. This website also provides comprehensive information on MSI 3.1. You can also find this installer in the folder of the PaperPort component (PP11PRO\PaperPort\Utilities\WindowsInstaller-KB893803-v2-x86.exe) on the CD-ROM.
- SMS2003: Each component has to be installed with the 'No user is logged on' option.
- SMS2003: In case an error is encountered during installation, it is advised to use the /m command line switch.
- On 32-bit systems, you also need to use vcredist\_x86.exe; whereas on 64-bit systems, both vcredist\_x86.exe and vcredist\_x64.exe. You can download these components from Microsoft's website. You can also find them on the CD-ROM in the following folders: vcredist\_x86.exe is in the PREREQ folder in the CD root, vcredist\_x64.exe is in the PREREQ\System64 folder in the CD root.

Under Windows Vista, installations should run with administrator privilege. In order to do this, please make sure that you run the command prompt as an Administrator.

#### Installation order

Before starting to install any component of *Scan to PC Desktop*, please ensure that InstallShield's Installscript engines and the redistributable vcredist\_x86.exe and vcredist\_x64.exe packages are installed on the target computer.

Note that software components on the CD-ROM require Installscript v10 engine installer (ISSCRIPT10.msi) be installed.

You can find the Installscript v10 engine installer (ISSCRIPT10.msi) in the folder of the PaperPort component (in PP11PRO\PaperPort) on the CD-ROM.

SharePoint and ODMA links also require Installscript v8 engine installer (ISSCRIPT8.msi) to be installed. You can find the Installscript v8 engine installer in the PPLINKS folder on the CD-ROM.

Once the necessary Installscript engine and the redistributable packages are installed, the different components can be installed in any combination.

Note that the installation of PaperPort must precede that of Image Retriever, the ODMA Link and the SharePoint Link.

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	InstallShield Installscript engine	ISSCRIPT10.msi
2	Redistributable vcredist_x86.exe	vcredist.msi file(s)
	(and vcredist_x64.exe on 64-bit	
	systems) package(s)	
3	PaperPort 11 SE	ScanSoft PaperPort 11.msi
4	OmniPage SE 16	ScanSoft OmniPage SE 16.msi
5	Image Retriever 9	Image Retriever 9.msi
6	PaperPort Image Printer	PaperPort Image Printer.msi

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

	Software component	Installer
1	Installscript engine 10	ISSCRIPT10.msi
2	Installscript engine 8	ISSCRIPT8.msi
3	Redistributable	vcredist.msi file(s)
	vcredist_x86.exe (and	
	vcredist_x64.exe on 64-bit	
	systems) package(s)	
4	PaperPort Professional 11	ScanSoft PaperPort 11.msi
5	OmniPage Professional 16	ScanSoft OmniPage 16.msi
6	Image Retriever 9	Image Retriever 9.msi
7	PaperPort Image Printer	PaperPort Image Printer.msi
8	PDF Converter Professional 5	Nuance PDF Professional 5.msi
9	RealSpeak Solo	RSSolo.msi
10	SharePoint Link	SharePoint Link.msi
11	ODMA Link	ODMALink.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 10* for any software component, use the following command-line:

```
MSIEXEC /i ISSCRIPT10.msi /qn
```

2. To install the *Installscript engine 8* for some software component, use the following command-line:

```
MSIEXEC /i ISSCRIPT8.msi /qn
```

3. To install *PaperPort Professional 11*, use the following command-line:

```
MSIEXEC /i "ScanSoft PaperPort 11.msi" ALLUSERS=2
TRANSFORMS=<LANG-TRFILE.mst> /gn
```

4. To install *PaperPort 11 SE*, use the following command-line:

```
MSIEXEC /i "ScanSoft PaperPort 11.msi" ALLUSERS=2
   TRANSFORMS=<LANG-TRFILE.mst> /qn
```

5. To install *OmniPage Professional 16*, use the following command-line:

```
MSIEXEC /i "ScanSoft OmniPage 16.msi" ALLUSERS=2
   TRANSFORMS=<LANG-TRFILE.mst> /qn
```

6. To install the *OmniPage SE 16*, use the following command-line:

```
MSIEXEC /i "ScanSoft OmniPage SE 16.msi" ALLUSERS=2
TRANSFORMS=<LANG-TRFILE.mst> /gn
```

7. To install *Image Retriever 9* use the following command-line:

```
MSIEXEC /i "Image Retriever 9.msi" ALLUSERS=2
TRANSFORMS=<LANG-TRFILE.mst> [<other IR install params>] /qn
```

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.

8. To install the *PaperPort Image Printer*, use the following command-line:

```
MSIEXEC /i "PaperPort Image Printer.msi" ALLUSERS=2 TRANSFORMS=<LANG-TRFILE.mst> /qn
```

9. To install *PDF Converter Professional 5*, use the following command-line:

```
MSIEXEC /i "Nuance PDF Professional 5.msi"
TRANSFORMS=ADMIN.mst;<LANG-TRFILE.mst> ALLUSERS=1 /gn
```

10. To install *RealSpeak Solo*, use the following command-line:

```
MSIEXEC /i "RSSolo.msi" ALLUSERS=2 /qn
```

11. To install *SharePoint Link*, use the following command-line:

```
MSIEXEC /i "SharePoint Link.msi" ALLUSERS=2 /qn
```

12. To install *ODMA Link*, use the following command-line:

```
MSIEXEC /i "ODMALink.msi" ALLUSERS=2 /qn
```

You can now advertise the packages to your SMS clients.

#### **Examples (SMS server installation)**

1. To install *PaperPort Professional 11* with **English user interface**, use the following command-line:

```
MSIEXEC /i "ScanSoft PaperPort 11.msi" ALLUSERS=2
    TRANSFORMS=1033.mst /qn
```

2. To install *PaperPort Professional 11* with **German user interface**, use the following command-line:

```
MSIEXEC /i "ScanSoft PaperPort 11.msi" ALLUSERS=2
    TRANSFORMS=1031.mst /qn
```

3. To install *PaperPort Image Printer* with **English user interface**, use the following command-line:

```
MSIEXEC /i "PaperPort Image Printer.msi" ALLUSERS=2 TRANSFORMS=1033.mst /qn
```

4. To install *OmniPage Professional 16* with **English user interface**, use the following command-line:

```
MSIEXEC /i "ScanSoft OmniPage 16.msi" ALLUSERS=2
    TRANSFORMS=1033.mst /qn
```

5. To install *OmniPage Professional 16* with **German user interface**, use the following command-line:

```
MSIEXEC /i "ScanSoft OmniPage 16.msi" ALLUSERS=2
    TRANSFORMS=1031.mst /qn
```

6. To install *OmniPage SE 16* with **English user interface**, use the following command-line:

```
MSIEXEC /i "ScanSoft OmniPage SE 16.msi" ALLUSERS=2
    TRANSFORMS=1033.mst /qn
```

7. To install *PDF Converter Professional 5*, use the following command-line:

```
MSIEXEC /i "Nuance PDF Professional 5.msi" TRANSFORMS=ADMIN.mst;1033.mst ALLUSERS=1 /qn
```

8. To install *Image Retriever 9* with **English user interface**, use the following command-line:

```
MSIEXEC /i "Image Retriever 9.msi" ALLUSERS=2
    TRANSFORMS=1033.mst /qn
```

9. To install *Image Retriever 9* with **English user interface** by specifying the folder to watch and enable folder-watching, use the following command-line:

```
MSIEXEC /i "Image Retriever 9.msi" ALLUSERS=2
TRANSFORMS=1033.mst
WATCHFOLDER=\\OMEGA\SCANS FOLDERWATCH=1 /qn
```

10. To install *Image Retriever 9* with **German user interface**, by setting the default watch interval to 5 minutes, use the following command-line:

```
MSIEXEC /i "Image Retriever 9.msi" ALLUSERS=2
TRANSFORMS=1031.mst POLINT=9 /qn
```

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