CA XCOM™ Data Transport® for Windows Server/Professional

Installation Guide

r11.5

CA Technologies Product References

This guide references the following CA Technologies product:

- CA XCOM™ Data Transport® (CA XCOM Data Transport)

Contact CA Technologies

Contact CA Support

For your convenience, CA Technologies provides one site where you can access the information that you need for your Home Office, Small Business, and Enterprise CA Technologies products. At http://ca.com/support, you can access the following resources:

- Online and telephone contact information for technical assistance and customer services
- Information about user communities and forums
- Product and documentation downloads
- CA Support policies and guidelines
- Other helpful resources appropriate for your product

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Chapter 1: Installing CA XCOM Data Transport

This chapter briefly tells you how to install CA XCOM Data Transport for Windows Server/Professional. For post-installation configuration instructions, see the *CA XCOM Data Transport for Windows Server/Professional Administration Guide*.

This section contains the following topics:

Operating System Support (see page 7)
System Requirements (see page 8)
64-Bit Considerations (see page 8)
Software Requirements (see page 9)
Database Requirements (see page 9)
Before Installation (see page 10)
CA Licensing and ALP (see page 10)
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What You Should Know (see page 12)
Installation Process (see page 13)
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Operating System Support

CA XCOM Data Transport for Windows Server/Professional is available for the Windows Server environment and for the Windows Professional environment.

Installation for CA XCOM Data Transport for Windows Server requires one of the following:

- Windows 2008 R2 Server (x86 64-bit)
- Windows 2008 R2 Enterprise Edition Server (x86 64-bit)

Installation for CA XCOM Data Transport for Windows Professional requires:

- Windows 7 (x86 64-bit)

Note: For current Operating System requirements, see http://ca.com/support.

System Requirements

The following list shows the minimum hardware, software, and net requirements for installing CA XCOM Data Transport on a Windows-based system:

Hardware

- CD-ROM drive
- A physical or logical connection to the remote system (for example, Ethernet)

Software

- Microsoft Windows operating system as described in Operating System Support
- TCP/IP as described in Software Requirements
- Optional SNA software as described in Software Requirements
- An optional relational database as described in Database Requirements

Memory

Minimum 1 GB of memory (1.5 GB recommended)

Storage

A hard disk with approximately 500 MB of free space for CA XCOM Data Transport, plus additional hard disk space for your APPC software if you are using SNA

Processor

64 bit x86 processor

Note: See 64 Bit Considerations.

64-Bit Considerations

Currently CA XCOM Data Transport is built as a 32-bit application. Though it can execute under a 64-bit Windows operating system on a 64-bit x86 processor, the CA XCOM Data Transport API cannot be compiled and linked as a 64-bit application.

You can create 32-bit applications on 64-bit operating systems by using special compiler-specific options and by linking to 32-bit libraries where appropriate.

Alternatively, you can build on a 32-bit system and move the application over to the 64-bit system.

SNA support is currently not available on most 64 bit systems.

Software Requirements

This section describes the software requirements to install and run CA XCOM Data Transport for Windows Server/Professional:

TCP/IP Protocol Support Requirements

The TCP/IP release packaged with your Microsoft Operating System.

SNA Protocol Support Requirements (optional)

Note: For current SNA version requirements, see http://ca.com/support.

For Windows 2008 R2:

- Microsoft Host Integration Server 2010 Cumulative Update 2

Database Requirements

A relational database is required only if you are using one or more of the following features:

- History records
- Trusted transfer

Certifications

CA XCOM Data Transport for Linux PC has been developed to work with industry standard relational databases.

CA XCOM Data Transport for Linux PC requires one of the following:

- MySQL v5 or later
- IBM DB2 v9.5 or later

Note:

- The database client (ODBC) must be on the same machine as CA XCOM Data Transport for Linux PC. However, the database is not required to be on the same machine as CA XCOM Data Transport for Linux PC.
- Since XCOM is a 32-bit application, it requires a 32-bit version of ODBC and a 32-bit version of the database driver.

Before Installation

Before installing CA XCOM Data Transport, make sure of the following:

- The system requirements for installing CA XCOM Data Transport are met (see System Requirements above).
- You have received all the materials needed to install CA XCOM Data Transport.
- You have your ALP license keys (see CA Licensing and ALP below).
- For SNA configurations, find out the alias name of your local LU.
- For using TCP/IP capability, your Windows system is configured for TCP/IP.
- Your system is connected to the appropriate network.

CA Licensing and ALP

This release uses CA Licensing and the Automated License Program (ALP) to ensure that the installed version of CA XCOM Data Transport is properly licensed.

ALP products are shipped with a printed certificate representing their license file (based upon the product and hardware information recorded in our license database), and you can also obtain your license keys electronically from http://ca.com/support.

Note: If you are upgrading from CA XCOM Data Transport r11.5 and you already have an ALP key you can skip this step unless the ALP key has either expired or you had a temporary license.

Obtain ALP License Keys

To obtain your ALP license keys online

1. Log in to http://ca.com/support, using your user ID and password.
2. Click Licensing from the right menu bar.

   The CA Support Home page is displayed.
3. Click Licensing from the left menu bar.

   The CA Licensing page is displayed.
4. Under Install ALP licenses, click Launch the application.

   While the application is running, it produces a pop-up with the following messages:

   ```
   Please wait. Your system is being updated with ALP Licenses.

   ALP License files are being updated in the folder <folder name>
   ```

   When the application finishes, it adds the following messages to the pop-up:

   ```
   Installation of license file has been successful.

   You may now close this window.
   ```

Installation and Configuration

Your installation package for r11.5 of CA XCOM Data Transport for Windows Server/Professional contains the following:

- Installation software
- A readme file in HTML and TXT formats

The following guides, in Adobe PDF and HTML formats, are available at http://ca.com/support:

- *CA XCOM Data Transport for Windows Server/Professional Administration Guide*
- *CA XCOM Data Transport for Windows Server/Professional Installation Guide*
- *CA XCOM Data Transport for Windows Server/Professional Overview Guide*
- *CA XCOM Data Transport for Windows Server/Professional Release Notes*
- *CA XCOM Data Transport for Windows Server/Professional User Guide*

Installation Summary

The main stages of the CA XCOM Data Transport installation and configuration process are as follows:

1. Install the CA XCOM Data Transport base components with the SNA component and the TCP/IP component or install the base components with either the SNA component or the TCP/IP component.
2. Configure SNA for use with CA XCOM Data Transport, TCP/IP, or both.
3. Customize CA XCOM Data Transport.

An easy-to-use installation program makes installing CA XCOM Data Transport a snap.

About APPC or TCP/IP Configuration

After installing CA XCOM Data Transport, you must ensure the following:

- For SNA configurations, that your APPC (Advanced Program-To-Program Communications) software is properly configured
- For TCP/IP configurations, that your TCP/IP connectivity is properly configured.
- You configure CA XCOM Data Transport by editing the CA XCOM Data Transport configuration files.

When the configuration is completed, you will test some basic CA XCOM Data Transport functions.

For information about post-installation configuration, see the *CA XCOM Data Transport for Windows Server/Professional Administration Guide*.

Install CA XCOM Data Transport

This section describes what you need to do to install CA XCOM Data Transport for Linux PC.

What You Should Know

To install CA XCOM Data Transport, you need to be familiar with the following:

- Concepts, facilities, and operating procedures of the Windows environment
- For SNA configurations, SNA communication concepts
- For TCP/IP configurations, TCP/IP concepts

Installation Process

Before starting the installation procedure, do the following:

1. Choose a System ID and System Name for this system.

   The System ID must be between 1 and 4 characters and the System Name must be between 1 and 8 characters. Together, the System ID and System Name are used to uniquely identify this specific CA XCOM Data Transport system.

2. If you are configuring for SNA, make sure that you know the alias name of your local LU.

The Installation Wizard gives you the options to install the base components with the SNA component, the TCP/IP component, or both.

Note: If you are upgrading or reinstalling, the installation process overwrites existing CA XCOM Data Transport files. For information about upgrading or reinstalling, see the *CA XCOM Data Transport for Windows Server/Professional Administration Guide*.

To install CA XCOM Data Transport r11.5

1. Insert the CA XCOM Data Transport r11.5 CD in your CD drive. The auto run feature automatically starts the installation program.

   Note: Make sure you have the correct CD for the machine: CA XCOM Data Transport for Windows Server can only be installed on a Windows server machine, and CA XCOM Data Transport for Windows Professional can only be installed on a Windows workstation.

2. Follow the directions on the installation panels, clicking Next to proceed through the installation process.

   Notes:

   - During the install, you need to supply the System ID and System Name that you selected for this system.
   - You can exit the installation process at any time by clicking Cancel.

   This installation program installs the CA XCOM Data Transport base product components and whichever components are selected.

3. If you are installing the SNA component, the CA XCOM Data Transport Invokable TP Setup dialog is displayed. The XCOM path option box should display the directory where CA XCOM Data Transport is being installed.

   Enter the alias name (up to eight alphanumeric characters) of your local LU in the Local LU Alias options box and click OK.

   Note: If you are not reinstalling or upgrading the SNA component at this time, click Cancel.

Note: For users who are upgrading the SNA component, if the installation process detects CA XCOM Data Transport TPs from the previous installation, a dialog is displayed, asking if you want to overwrite them. If you are installing to a different directory or using different LU names, make the appropriate changes. If your SNA configuration has not changed, you can click Cancel.

4. Set your PATH variable to include the directory where CA XCOM Data Transport is installed.
5. For running jobs or scripts, you need to create the CA-XCOM-Batch-Interactive Group. For more information, see Creating the CA-XCOM-Batch-Interactive Group in the chapter "Configuring CA XCOM Data Transport" in the *CA XCOM Data Transport for Windows Server/Professional Administration Guide*.

Important!

- For the installation changes to take effect, you must shut down and restart the system.
- Before you can use CA XCOM Data Transport, you must start the XCOMD CA XCOM Scheduler service. For more information, see the chapter "Getting Started with CA XCOM Data Transport."

Unattended Install

To do an unattended install, you must first build a response file using the InstallShield setup command. This builds a response file tailored to your installation. You can build one response file and use it on many systems. You need separate response files only if you want different options for the install on some machines. Then you can run an unattended InstallShield installation using the setup command.

If you need to run tpsetup, you should run it after the install is complete. After the installation, you need to restart the PC.

Here are the commands to accomplish this:

1. Change directory to the path location where you have the InstallShield setup.exe program.
2. Issue the command setup.exe /r, which creates the setup.iss file in your WINDOWS directory. This file may be created in a different directory depending on your operating system. The file setup.iss contains all the parameters of your install.
3. Issue the following command:

   ```
   setup.exe /r /f1"C:\YourPath\setup.iss"
   ```

   This command creates the setup.iss file in the YourPath directory. If the /f1 parameter is not specified, it defaults to setup.iss in your WINDOWS directory.

   Note: The file may be created in a different directory, depending on your operating system).

   The file setup.iss contains all the parameters of your install.
4. When this is completed, issue one of the following commands depending on your site requirements. The first command will run the silent install but the system SYSID and SYSNAME parameters will be set to default values. The second command will run the silent install but the /z parameter is specified which allows the administrator to customize the values of the system SYSID and SYSNAME parameters.

   ```
   setup.exe /s /f1"C:\YourPath\setup.iss"
   ```

   ```
   setup.exe /s /f1"C:\YourPath\setup.iss" /z"\"SYSID=xxxx,SYSNAME=yyyyyyyy\""
   ```

   xxxx

   The one- to four-character System ID that you have selected for this CA XCOM Data Transport installation.

   yyyyyyyy

   The one- to eight-character System Name that you have selected for this CA XCOM Data Transport installation.

   Together, the System ID and System Name are used to uniquely identify this specific CA XCOM Data Transport system.

Substitute your full path name or drive letter in the preceding example, if appropriate.

Note: Silent (unattended) installation does not display any dialog boxes if there is an error. Instead, status information for the silent install or uninstall is written (by default) to a file called setup.log in the same directory where the response file is located. InstallShield may give warnings about various files that may be open. These messages should be ignored. Any file that InstallShield actually needs to update is always updated automatically after the system is restarted. The updates are saved in the temp directory and are updated after the restart.

Unattended Uninstall

To run an unattended uninstall

1. Change directory to the path location where you have the InstallShield setup.exe program.
2. Create a response file first by issuing the following command:

   ```
   setup.exe /x /r /f1"C:\YourPath\setup.iss"
   ```

   This command creates the setup.iss file in the YourPath directory. If the /f1 parameter is not specified, it defaults to setup.iss in your WINDOWS directory.

   Note: The file may be created in a different directory, depending on your operating system.

   The file setup.iss contains all the parameters of your uninstall.
3. Run the unattended uninstall by issuing the following command:

   ```
   setup.exe /x /s /f1"C:\YourPath\setup.iss"
   ```

   Substitute your full path name or drive letter in this example, if appropriate.

Chapter 2: Getting Started with CA XCOM Data Transport

This chapter briefly tells you how to start using CA XCOM Data Transport.

For post-installation configuration instructions, see the CA XCOM Data Transport *for Windows Server/Professional Administration Guide*.

This section contains the following topics:

Before You Start Using CA XCOM Data Transport (see page 17)
Starting the CA XCOM Data Transport User Interface (see page 18)
A Simple Transfer Scenario (see page 19)
For More Information (see page 20)

Before You Start Using CA XCOM Data Transport

Before you start using CA XCOM Data Transport, you must start the XCOMD CA XCOM Scheduler service.

About XCOMD CA XCOM Scheduler Service

The XCOMD CA XCOM Scheduler service runs as a background process to control file transfers and manage CA XCOM Data Transport resources. The XCOMD CA XCOM Scheduler service:

- Schedules and synchronizes transfer requests
- Controls shared memory for transfers
- Establishes the default parameter values by reading the parameter file, XCOM.GLB
- Controls the automatic restart of locally initiated transfers
- Writes queue information out to disk periodically
- Deletes aged entries from the queue
- Notifies a local user by executing the XCOMNTFY script when LOCAL_NOTIFY is required
- Communicates with active or pending transfers to terminate a transfer

Starting XCOMD CA XCOM Scheduler Service

This section describes how to start the XCOMD CA XCOM Scheduler service.

To start the XCOMD CA XCOM Scheduler service

1. Do one of the following to display the list of services:
   - From the Windows Start menu, select the Control Panel, Administrative Tools, and then Computer Management. From the Computer Management explorer, select Services and Applications and then Services.
   - From the Windows Start menu, select Accessories and then Run. Next type “Services.msc" in the Run command
2. Highlight the **XCOMD CA XCOM Scheduler Service**.
3. Do one of the following:
   - Select Start from the Actions Menu
   - Double-click the XCOMD CA XCOM Scheduler service name and click the Start button on the resulting panel**.**

     Note: To have the XCOMD CA XCOM Scheduler service start automatically when the system boots up, change the Startup type option to Automatic on this panel.
4. Close the services window and the Control Panel window.

Starting the CA XCOM Data Transport User Interface

To start the GUI, do one of the following:

- From the Windows Start menu**,** select CA, CA XCOM Data Transport and then GUI
- Enter the command:

  ```
  %XCOM_HOME%\StandaloneUI.bat
  ```

  Note: This is the full path name specification for StandaloneUI.sh. Make sure that XCOM_HOME environment variable is set to the XCOM Installed Location.

A Simple Transfer Scenario

The following is an example of queuing a send file transfer using TCP/IP and the GUI interface. It is assumed that XCOMD CA XCOM Scheduler service has been started already and you are using a Professional or Server machine.

1. Invoke the GUI interface by clicking Start, Programs, CA, CA XCOM Data Transport and GUI.

   The Main window appears in the Home tab.

2. Click the Schedule Transfer tab or the Schedule Transfer link to select the Schedule Transfer window.

   The Schedule Transfer window appears with a default transfer record.

3. In the Schedule Transfer window, click the edit link in the Actions column to edit the default transfer record.

   The Edit Transfer Record window appears.

4. In the Edit Transfer Record window, define the following mandatory fields for a Send File transfer:

   a. In the Local System Parameters section File Name field, enter a valid file name for the system you are sending from; for example, **c:\testa.fil**. Or click the Browse button next to the File Name field to select the file.

   b. In the Remote System Identification and Parameters section, set the System Type drop down to match the type of system you are sending to; for example, Windows if you are sending to another CA XCOM Data Transport for Windows system.

   c. To the right of the System Type drop down, select the method used to identify the remote machine; for example, either IP Address or LU Name.

   d. To the right of the Identify Method drop down, enter the valid TCP/IP name, TCP/IP address, or LU name for the remote system; for example, with IP Address as the identify method, 127.0.0.1 is a valid TCP/IP address.

   e. In the Port field, change the port number to that of the remote system to which you are transferring; for example, 8044.

   f. In the File Name field, enter a file name that is valid for the system you are sending to; for example, **c:\testb.fil**.

      Note: Some post-installation configuration is required before you can perform SNA transfers. For details, see the *CA XCOM Data Transport for Windows Server/Professional Administration Guide*.

      Note: Some post-installation configuration is required before you can perform secure (SSL) TCP/IP transfers. For details, see the *CA XCOM Data Transport for Windows Server/Professional Administration Guide*.

5. In the Edit Transfer Record window, define any of the following optional fields that you require:

a. To schedule the transfer for a specific date and time, click the button to the right of the Misc Options Start field

   The Calendar/Time dialog appears. By default, the current date and time are supplied.

b. Click the arrows to display the date and time you want this transfer to start. Click OK to save any changes.

c. If the remote system being sent to is a secure system, in the Remote System Identification and Parameters section Credential fields, enter your credentials for the remote system; for example, enter your user ID, password, and domain (if required) for the remote system.

6. When you have set all the above parameters, click the update button at the top of the Edit Transfer Record window to update the transfer record.

   You are returned to the Schedule Transfer window, which shows the updated transfer record.

7. Click the Select check box for the transfer and then click the Submit link to queue the transfer.

8. To see the results of the transfer, go to the Get History Records tab.

For More Information

For details about all the features of this interface and about the many tasks you can perform with CA XCOM Data Transport, see the *CA XCOM Data Transport for Windows Server/Professional User Guide*.

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