



DataDirect[®] XML Converters[™]

Installation Guide for .NET

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DataDirect XQuery

DataDirect XML Converters

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Preface

This book describes the procedure for installing DataDirect XML Converters™ by DataDirect Technologies from a CD-ROM or downloaded files.

What Are DataDirect XML Converters™?

DataDirect XML Converters™ are high-performance Java™ and .NET components that provide bi-directional, programmatic access to virtually any non-XML file including EDI, flat files, and other legacy formats. DataDirect XML Converters allow developers to seamlessly stream any non-XML data as XML to industry-leading XML processing components or to any application. They support StAX, SAX, XmlReader, XmlWriter, DOM and I/O streaming interfaces, and can be embedded directly for transformation purposes, or as part of a chain of programs including XSLT and XQuery, or even inside XML pipelines. DataDirect XML Converters maximize developer productivity and provide a fast, scalable solution for converting between EDI and other legacy formats and XML.

DataDirect XML Converters are designed for software developers and independent software vendors (ISVs) who need to convert and stream XML and non-XML files in XML applications.

Using This Book

This book can be used by system and database administrators and any users who need to install DataDirect XML Converters. It is assumed that you are familiar with the operation of your system, and that you understand how to navigate to directories on your For the latest information about DataDirect XML Converters, see the README file in your software package or refer to the DataDirect Technologies XML Converters Web site:

<http://www.xmlconverters.com>

NOTE: This book refers the reader to Web URLs for more information about specific topics, including Web URLs not maintained by DataDirect Technologies. Because it is the nature of Web content to change frequently, DataDirect Technologies can guarantee only that the URLs referenced in this book were correct at the time of publishing.

Typographical Conventions

This book uses the following typographical conventions:

Convention	Explanation
<i>italics</i>	Introduces new terms with which you may not be familiar, and is used occasionally for emphasis.
bold	Emphasizes important information. Also indicates button, menu, and icon names on which you can act. For example, click Next .
UPPERCASE	Indicates keys or key combinations that you can use. For example, press the ENTER key.
monospace	Indicates syntax examples, values that you specify, or results that you receive.

Convention	Explanation
<i>monospaced</i> <i>italics</i>	Indicates names that are placeholders for values that you specify. For example, <i>filename</i> .
forward slash /	Separates menus and their associated commands. For example, Select File / Copy means that you should select Copy from the File menu. The slash also separates directory levels when specifying locations under UNIX.
vertical rule	Indicates an "OR" separator used to delineate items.
brackets []	Indicates optional items. For example, in the following statement: SELECT [DISTINCT], DISTINCT is an optional keyword. Also indicates sections of the Windows Registry.
braces { }	Indicates that you must select one item. For example, {yes no} means that you must specify either yes or no.
ellipsis . . .	Indicates that the immediately preceding item can be repeated any number of times in succession. An ellipsis following a closing bracket indicates that all information in that unit can be repeated.

About the Product Documentation

The DataDirect XML Converters library consists of the following books:

- *DataDirect XML Converters Installation Guide for .NET* describes the requirements and procedures for installing DataDirect XML Converters.
- *DataDirect XML Converters User's Guide and Reference for .NET* provides information about using DataDirect XML Converters to write applications that provide bi-directional, programmatic access to any non-XML files including EDI, flat files, and other legacy formats.

HTML Version

An HTML version of the DataDirect XML Converters documentation is placed on your system during a normal installation of the product. This documentation is located in the \help subdirectory of the product installation directory. To use the help, you must have one of the following browsers installed:

- Internet Explorer 5.x or higher
- Netscape 4.x, 6.1, or higher
- FireFox 1.0 or higher

The HTML documentation is available on the product CD and also on the DataDirect Technologies XML Converters Web site:

<http://www.xmlconverters.com>

On Windows, you can access the HTML documentation by double-clicking the help.htm file in the DataDirect XML Converters \help directory.

Or, from a command-line environment, at a command prompt, enter:

```
browser_exe install_dir\Help\help.htm
```

where *browser_exe* is the name of your browser executable and *install_dir* is the path to the product installation directory.

NOTE: Security features set in your browser can prevent the HTML documentation from launching. A security warning message is displayed. Often, the warning message provides instructions for unblocking the HTML documentation for the current session. To allow the HTML documentation to launch without encountering a security warning message, the security settings in your browser can be modified. Check with your system administrator before disabling any security features.

PDF Version

DataDirect product documentation is also provided in PDF format, which allows you to view it, perform text searches, or print it. This documentation is located in the `\doc` subdirectory of the product installation directory.

You can view the PDF documentation using the Adobe Acrobat Reader. The PDF documentation is available on the product CD and also on the DataDirect Technologies XML Converters Web site:

<http://www.xmlconverters.com>

Microsoft Help 2.0

DataDirect XML Converters API documentation is also provided in Microsoft Help 2 format. You can optionally register this documentation with Microsoft Visual Studio during installation. If Microsoft Visual Studio is running when you install DataDirect XML Converters, you will need to restart Microsoft Visual Studio in order for the DataDirect XML Converters help to appear.

TIP: You can register the DataDirect XML Converters documentation any time after installation by selecting XML Converters Help Integration with Visual Studio 2005 from the DataDirect XML Converters program group.

Files for the DataDirect XML Converters help are written to the \vs.net directory where you installed DataDirect XML Converters.

Contacting Technical Support

DataDirect Technologies offers a variety of options to meet your technical support needs. Please visit our Web site for more details and for contact information:

<http://support.datadirect.com>

The DataDirect Technologies Web site provides the latest support information through our global service network. The SupportLink program provides access to support contact details, tools, patches, and valuable information, including a list of FAQs for each product. In addition, you can search our Knowledgebase for technical bulletins and other information.

To obtain technical support for an evaluation copy of the product, contact your sales representative or go to:

http://www.datadirect.com/support/eval_help/index.ssp

When you contact us for assistance, please provide the following information:

- The serial number that corresponds to the product for which you are seeking support, or a case number if you have been provided one for your issue. If you do not have a SupportLink contract, the SupportLink representative assisting you will connect you with our Sales team.
- Your name, phone number, email address, and organization. For a first-time call, you may be asked for full customer information, including location.
- The DataDirect product and the version that you are using.
- The type and version of the operating system where you have installed your DataDirect product.
- Any EDI, flat file, legacy file, custom XML conversion definition, or other environment information required to understand the problem.
- A brief description of the problem, including, but not limited to, any error messages you have received, what steps you followed prior to the initial occurrence of the problem, any trace logs capturing the issue, and so on. Depending on the complexity of the problem, you may be asked to submit an example or reproducible application so that the issue can be recreated.
- A description of what you have attempted to resolve the issue. If you have researched your issue on Web search engines, our Knowledgebase, or have tested additional configurations, applications, or other vendor products, you will want to carefully note everything you have already attempted.
- A simple assessment of how the severity of the issue is impacting your organization.

1 Before You Install

Before you install DataDirect XML Converters, verify that your system meets the requirements described in this chapter.

Disk Requirements

A complete installation of DataDirect XML Converters, including optional online books and code examples, requires approximately 30 MB of available hard disk space. See the [readme.htm](#) for additional information.

Operating System Requirements

[Table 1-1](#) lists the supported operating environments for DataDirect XML Converters.

Table 1-1. Operating Environments

Platform	Operating System
32-bit (x86)	<ul style="list-style-type: none"> ■ Windows Vista Ultimate ■ Windows Vista Business ■ Windows XP Home Edition and Professional, Service Pack 1 or 2 ■ Windows Server 2003 (all editions) ■ Windows 2000 Service Pack 4 and higher
64-bit (x64) AMD Opteron and Intel Xeon with Extended Memory 64 Technology (EM64T)	<ul style="list-style-type: none"> ■ Windows Vista Ultimate ■ Windows Vista Business ■ Windows XP Professional 64-bit ■ Windows Server 2003 Enterprise x64 Edition ■ Windows Server 2003 Datacenter x64 Edition

Supported .NET Framework Versions

DataDirect XML Converters supports the .NET Framework Version 2.0 and later. You can use Microsoft Visual Studio 2005 or later to develop DataDirect XML Converters applications.

Microsoft Visual Studio Requirements

If you purchased a Developer's license, you must install DataDirect XML Converters on a development machine that has Microsoft Visual Studio installed. The following versions of Microsoft Visual Studio are supported:

- Visual Studio 2005 (Professional and Standard Editions)
- Visual Studio Team System 2005
- Visual Studio Express Editions

Developer's licenses cannot be used in a production environment.

2 Installing DataDirect XML Converters™

Before you start installation, see [Chapter 1, “Before You Install,”](#) on [page 15](#) and verify that your system meets the requirements described there.

Installation Media

Installation media for DataDirect XQuery is available on CD-ROM and from the DataDirect Web site (<http://www.datadirect.com>).

If you are installing using

- The DataDirect CD-ROM, go to [“Installing from a CD”](#) on [page 22](#).
- Media downloaded from the DataDirect Web site, go to [“Installing from a Downloaded File”](#) on [page 23](#).

Evaluation Installations

The installer allows you to install DataDirect XML Converters for a 15-day evaluation.

Installer Directory

Choose an *installer* directory for the DataDirect XML Converters installer. The installer directory is the directory in which you save the 41_xmlconverters.exe file.

The installer directory can also be the *installation* directory for DataDirect XML Converters, but does not need to be. You can choose another installation directory during the installation procedure.

Default Installation Directory

The Setup program lets you specify the directory into which the DataDirect XML Converters will be installed. By default, the Setup program creates and installs the DataDirect XML Converters in this directory:

C:\Program Files\DataDirect\XMLConverters41

What Is Installed?

The DataDirect XML Converters installer installs the following components:

- DataDirect XML Converters.
- DataDirect XML Converters online books in PDF format are optionally placed in the \doc subdirectory in your DataDirect XML Converters installation directory.

- DataDirect XML Converters examples are optionally placed in the \examples subdirectory in your DataDirect XML Converters installation directory.
- DataDirect XML Converters online help in HTML format is placed in the \Help subdirectory in your DataDirect XML Converters installation directory.
- DataDirect XML Converters Microsoft Help 2.0 help is written to the \vs.net directory.
- The following files are installed at the installation directory root:
 - DDTEK-XMLConverters.lic, the DataDirect XML Converters license file.
 - Extend.exe, which enables you to extend your evaluation period. Contact your DataDirect sales representative for more information.
 - fixes.txt, which lists fixes from the previous version of the product.
 - license.htm, the End User Product License Agreement. This document is also displayed during installation.
 - DataDirect XML Converters readme.htm.
 - 3rdPartySoftware.txt, which lists third-party software used in DataDirect XML Converters.

See [“About the Product Documentation”](#) on page 10 for details about the online books.

Runtimes

During installation, the libraries required for both 32-bit and 64-bit runtimes are installed. This ensures a seamless development and packaging experience for .NET applications that may encounter either the 32-bit and 64-bit versions of the Microsoft .NET Framework.

Global Assembly Cache

The installer automatically installs the DataDirect XML Converters assemblies to the Global Assembly Cache (GAC).

Installing from a CD

This section provides instructions for installing DataDirect XML Converters from a CD to your local drive.

To install DataDirect XML Converters from a CD:

- 1 Insert the CD into the CD-ROM drive. (If the CD drive is on a network, you must mount the CD and create a mapping to the CD drive.)
 - If AutoPlay for CDs is enabled and you have a browser installed, the main installer window appears when the CD is mounted. Go to [Step 2](#).
 - If AutoPlay for CDs is not enabled or you do not have a browser, use Windows Explorer to navigate to the root directory. Double-click index.htm and go to [Step 2](#).
- 2 Follow the instructions on the main installer window to select the product that you want to install.

Installing from a Downloaded File

DataDirect makes the DataDirect XML Converters available for either purchase or evaluation via its download site on the World Wide Web (<http://www.datadirect.com>). Installation follows essentially the same procedure as installation from a CD.

This section provides instructions for installing DataDirect XML Converters downloaded from a Web site.

To install DataDirect XML Converters from downloaded files:

- 1 Download the product setup file, `41_xmlconverters.exe`, from the Web site to a directory of your choosing.
- 2 From Windows Explorer, navigate to this directory; then, run the setup program, `41_xmlconverters.exe`.

The DataDirect XML Converters Installer window appears.

- 3 Click **Next** to start the installation.

The License Agreement window appears.

NOTE: You can exit the Setup program at any time by clicking **Cancel**, or return to the previous window by clicking **Back**.

- 4 Make sure that you read and understand the license agreement. To continue with the installation, select the **I accept the terms in the license agreement** option; then, click **Next**.

The License Information window appears. You use this window to specify your company name, and to enter your product keys.

5 If you are installing:

- An *evaluation* version, ensure that EVAL is in the Enter Key field and click the **Add** button.
- A *licensed* version, enter the 8-character product key in the Enter Key field, and click the **Add** button. If you were issued multiple product keys, add them to the Enter Key field one at a time, clicking **Add** each time.

A description of the XML Converter associated with the key you enter appears in the Product Support for: field.

To remove an XML Converter, select it in the Product support for: list box and click the **Remove** button.

6 Click **Next** to continue with the installation.

The Installation Directory window appears. You use this window to change the default installation directory.

7 Click **Change** to specify a different installation directory; otherwise, click **Next** to continue with the installation.

The Optional Components window appears. You use this window to choose the components you want to install.

The DataDirect XML Converters and DataDirect XML Converters Online Help options are grayed out because both are required for installation.

The following components are selected for installation by default, but you can change that setting if you like:

- DataDirect XML Converters online books (in PDF).
- DataDirect XML Converters Examples. If you are reinstalling the product and have reconfigured the examples, you may **not** want to reinstall the examples. In this case, clear the **Install DataDirect XML Converters Examples** option.
- Reference documentation integrated with Visual Studio.

- 8 Review the settings for the individual components to be installed and click **Next** to continue.

The Ready to Install DataDirect XML Converters window appears, providing you with the opportunity to review your installation choices.

- 9 Click **Back** to revise your choices, or click **Install** to continue with the installation.

When you click **Install**, DataDirect XML Converters, the online help and any optional components you selected are installed. After a moment, the Setup Completed window appears.

- 10 Choose whether or not you want to launch the QuickStart guide (a brief guide to getting started with DataDirect XML Converters) when you exit the setup program, and then click **Finish** to exit the installer.

- 11 See ["After Installation" on page 26](#).

Installing from a Network Directory

The setup program for DataDirect XML Converters can be copied to a network directory from the CD or from the directory containing downloaded setup program file. You can then install DataDirect XML Converters from this directory.

- **Copying the file from the CD.** Copy the 41_xmlconverters.exe file from the appropriate platform directory to a network directory.

Navigate to the network directory and run the setup program, 41_xmlconverters.exe. The DataDirect XML Converters Installer window appears.

Follow [Step 3](#) through [Step 11](#) under “[Installing from a Downloaded File](#)” on [page 23](#) to complete the installation.

- **Copying downloaded file.** Copy the downloaded file, 41_xmlconverters.exe, from its temporary directory to a network directory.

Navigate to the network directory and run the 41_xmlconverters.exe file. The DataDirect XML Converters Installer window appears.

Follow [Step 3](#) through [Step 11](#) under “[Installing from a Downloaded File](#)” on [page 23](#) to complete the installation.

After Installation

A DataDirect XML Converters program group is created as part of the installation. See “[Using the Program Group](#)” on [page 27](#) for more information.

If you chose not to register the DataDirect XML Converters Microsoft Help 2.0 documentation during installation, you need to run the Visual Studio Integration Tool. If Visual Studio was not installed when you installed DataDirect XML Converters, you need to register the DataDirect XML Converters Microsoft Help 2.0 documentation after installing Visual Studio. See “[Visual Studio Integration Tool](#)” on [page 27](#) for more information.

For information on using DataDirect XML Converters, refer to the *DataDirect XML Converters User's Guide and Reference for .NET*.

Using the Program Group

A DataDirect XML Converters program group is created during installation. The program group provides the following shortcuts:

- **XML Converters Online Book** – PDF version of the *DataDirect XML Converters User's Guide and Reference for .NET* (if you chose to install it)
- **XML Converters Online Help** – HTML version of the *DataDirect XML Converters User's Guide and Reference for .NET*
- **XML Converters Readme** – The DataDirect XML Converters README
- **XML Converters Help Integration with Visual Studio** – The Visual Studio help integration tool

The following sections provide additional information about the Visual Studio Integration Tool. See [“About the Product Documentation” on page 10](#) for information about the XML Converters documentation.

Visual Studio Integration Tool

If you did not register the DataDirect XML Converters Microsoft Help 2.0 documentation with Visual Studio during product installation, you can run the registration tool from the DataDirect XML Converters program group.

If you install Visual Studio after installing DataDirect XML Converters, you must register the DataDirect XML Converters Microsoft Help 2.0 documentation in order to make it accessible in Visual Studio.

To register the installed DataDirect XML Converters Microsoft Help 2.0 documentation with Visual Studio:

- 1 Install Visual Studio according to the instructions in the product's documentation.
- 2 Select the **XML Converters Help Integration with Visual Studio** from the DataDirect XML Converters program group.

A command shell window appears, and displays any progress messages generated during the integration.

- 3 Type `exit` at the command line to close the command shell.

Getting Started with the XML Converters

To get started with DataDirect XML Converters immediately after installation, refer to the *DataDirect XML Converters Quick Start*. This document can be displayed automatically at the end of the installation process, and it is also available on our Web site:

<http://www.xmlconverters.com>

To take full advantage of the many DataDirect XML Converters features, we recommend that you read the *DataDirect XML Converters User's Guide and Reference for .NET*.

Upgrading an Evaluation Installation to a Licensed Installation

In order to upgrade an evaluation installation to a licensed installation, you need to add the new license key to the current DataDirect XML Converters installation.

See [“Removing or Modifying the Installation” on page 30](#) for more information on this process.

Extending an Evaluation Installation

To extend a DataDirect XML Converters evaluation installation, contact your DataDirect Sales representative.

Removing or Modifying the Installation

You can remove or modify your DataDirect XML Converters installation through the Add/Remove Programs option in the Control Panel of the Windows Start menu.

Using the Remove Option

On all Windows platforms, the Remove option of the Add/Remove utility deletes all files installed with the product and entries in the system information for the product.

To remove your installation:

- 1 Select **Start > Settings > Control Panel** from the Windows Start menu.

The Control Panel window appears.

- 2 Select **Add/Remove** programs.

The Add or Remove Program window appears.

- 3 Select **DataDirect XML Converters 4.1** and click the Remove button.

- 4 The steps for removing the product are operating system-specific. Follow the instructions on the screen.

Using the Modify Option

You use the Modify option to change an existing DataDirect XML Converters installation. Situations that require modifying an existing installation include:

- Upgrading from an evaluation installation to a licensed installation.
- Upgrading a license – for different XML Converters or numbers of CPUs, for example.
- Installing optional components (code examples or user documentation, for example) that you chose not to install when first installing DataDirect XML Converters.

To modify your installation:

- 1 Select **Start > Settings > Control Panel** from the Windows Start menu.

The Control Panel window appears.

- 2 Select **Add/Remove** programs.

The Add or Remove Program window appears.

- 3 After opening Add/Remove Programs, select **DataDirect XML Converters 4.1**, and click the **Change** button.

The Welcome window for the DataDirect XML Converters Setup maintenance program appears. Click **Next** to display the Program Maintenance window.

- 4 Select **Modify** on the Program Maintenance window. Then, click **Next** to continue.

The License Information window appears.

- 5 If you need to change the license information, go to [Step 6](#). If you simply want to add optional components to your existing installation, click the **Next** button and go to [Step 9](#).

- 6 On the License Information window, change your company name as required.
- 7 Next, enter the license key in the Enter key field and click the **Add** button.

A description associated with the license key you just entered appears in the list box next to the **Add** and **Remove** buttons.

If you entered the key incorrectly, an error message is displayed. Click **OK** to clear the message and return to the License Information window. Return to [Step 6](#).

- 8 Click **Next** to continue.

The Install Optional Components window appears.

- 9 On the Install Optional Components window, select the check boxes to install the Code Examples and other optional components.

- 10 Click **Next** to continue.

The Ready to Modify Data Direct XML Converters window appears.

- 11 Click **Install** to begin the installation.

When the installation has finished, the Setup Completed window appears.

- 12 Click **Finish** to exit Setup.

For More Information

We recommend that you read the README text file that accompanies the product for current information regarding the release. You can find the latest README text file on the installation CD, in the DataDirect XML Converters program group, or on our Web site:

<http://www.xmlconverters.com>

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