



# **DataDirect** **XML Converters**<sup>™</sup>

## Installation Guide for .NET

Release 3.1  
December 2007

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DataDirect XQuery

DataDirect XML Converters

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December2007

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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.

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## 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 the .NET built-in XSLT processor. 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 system and on any networks attached to your system.

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.

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# Typographical Conventions

This book uses the following typographical conventions:

<b>Convention</b>	<b>Explanation</b>
<i>italics</i>	Introduces new terms with which you may not be familiar, and is used occasionally for emphasis.
<b>bold</b>	Emphasizes important information. Also indicates button, menu, and icon names on which you can act. For example, click <b>Next</b> .
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.
<i>monospaced 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* details 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 installation of the product. This documentation is located in the \help subdirectory of the product installation directory. To use the HTML documentation, 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.html 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 if you choose to install it.

You can view the PDF documentation using the Adobe Acrobat Reader. The PDF documentation is available on the product CD, from the DataDirect XML Converters program group, 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 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.

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## 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, go to:

[http://www.datadirect.com/support/eval\\_help/index.ssp](http://www.datadirect.com/support/eval_help/index.ssp)

or contact your sales representative.

When you contact us, 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, you need to verify that your system meets certain requirements.

---

## System and Product Requirements

A complete installation of DataDirect XML Converters, including optional online books and code examples, requires approximately 25 MB of available hard disk space. See the README for additional information.

## Supported Operating Environments

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

**Table 1-1. Operating Environments**

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

## Supported .NET Framework Versions

DataDirect XML Converters supports the .NET Framework Version 2.0 and 3.0.

[Table 1-2](#) lists the versions of Microsoft Visual Studio that you can use with DataDirect XML Converters.

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**Table 1-2. Supported Versions of Microsoft Visual Studio**


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<b>Applications Using</b>	<b>Visual Studio Requirements</b>
.NET Framework Versions 2.0 and 3.0 32-bit	<ul style="list-style-type: none"> <li>■ Visual Studio 2005 (Professional and Standard Editions), Service Pack 1</li> </ul>
DataDirect XML Converters for .NET 3.1	<ul style="list-style-type: none"> <li>■ Visual Studio Team System 2005</li> <li>■ Visual Studio Express Editions</li> </ul>
.NET Framework Versions 2.0 and 3.0 64-bit	<ul style="list-style-type: none"> <li>■ Visual Studio 2005 (Professional and Standard Editions), Service Pack 1</li> <li>■ Visual Studio Team System 2005</li> <li>■ Visual Studio Express Editions</li> </ul>

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## Development Environment

If you purchased a Developer's license, you must install DataDirect XML Converters on a development machine that has Microsoft Visual Studio 2005 installed. Developer's licenses cannot be used in a production environment.

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

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## Evaluation Installations

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



## 2 Installing DataDirect XML Converters™

Before you begin installation, verify that your system meets the specified requirements. See [“System and Product Requirements” on page 12](#) for a list of these requirements.

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 Version 2.0 or 3.0.

---

### 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.
  - 3rdPartySoftware.txt, which lists third-party software used in DataDirect XML Converters.
  - DataDirect XML Converters README.
  - 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.

See [“About the Product Documentation” on page 7](#) for more information.

---

## 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\XMLConverters31

---

# 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.
- 2 The main installer window displays automatically when the CD is mounted if AutoPlay for CDs is enabled. Follow the instructions on the main installer window.

If AutoPlay for CDs is not enabled, navigate to the root directory of the CD and run `index.htm`, then follow the instructions on the main installer window.

- 3 See ["After Installation" on page 22](#).

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## 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, 31\_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, 31\_xmlconverters.exe.
- 3 The Welcome window for the product appears. Click **Next** to continue. 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 On the License Agreement window, perform one of the following actions:
  - Accept the agreement by clicking the appropriate option. Then, click **Next**. The License Information window appears.
  - Do not accept the agreement by clicking **Cancel** to exit the installation.

- 5 On the License Information window, change the company name as required.
  - If you are installing an *evaluation* copy of the product, ensure that EVAL is entered in the Enter Key field and click the Add button. This is the default.
  - If you are installing a *licensed* copy of DataDirect XML Converters, enter the license keys provided to you by DataDirect Technologies in the Enter Key field, one at a time, and click the Add button.
- 6 Click **Next**. If you entered the correct data on the License Information window, the Installation Directory window appears.

If you entered incorrect data or left any fields blank, you receive an error message. Click **OK**; you are returned to the License Information window to correct the error.

- 7 The Installation Directory window allows you to change the installation directory from the default location. This is optional.

To change the installation directory, click **Change** and select the new installation directory path. Then, click **OK** to return to the Installation Directory window.

- 8 Click **Next**. The Optional Components window lists all components that will be displayed. You can deselect the check box associated with optional components (code examples and books in PDF format, for example) if you choose.
- 9 Click **Next**. The Ready to Install the Program window appears. Click **Back** to revise your choices, or click **Install** to continue with the installation. When you click **Install**, the DataDirect XML Converters and any other options you selected are installed.

- 10 When the installation finishes, the Setup Completed window appears. If you do not want to view the Quick Start (a brief guide to getting started with DataDirect XML Converters), deselect the check box, and then Click **Finish** to close the installer.
- 11 See [“After Installation” on page 22](#).

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## 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 setup.exe file from the appropriate platform directory to a network directory.

Navigate to the network directory and run the setup program, setup.exe. The Welcome window for the product appears. Follow [Step 3](#) through [Step 11](#) under [“Installing from a Downloaded File” on page 19](#) to complete the installation.

- **Copying downloaded file.** Copy the downloaded file, 31\_xmlconverters.exe, from its temporary directory to a network directory.

Navigate to the network directory and run the 31\_xmlconverters.exe file. The Welcome window for the product appears. Follow [Step 3](#) through [Step 11](#) under [“Installing from a Downloaded File” on page 19](#) to complete the installation.

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## After Installation

A DataDirect XML Converters program group is created as part of the installation. See [“Using the Program Group” on page 22](#) 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 2005 Integration Tool. If Visual Studio 2005 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 2005. See [“Visual Studio 2005 Integration Tool” on page 23](#) for more information.

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

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## 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 2005 –**  
The Visual Studio 2005 help integration tool

The following sections provide additional information about the Visual Studio 2005 Integration Tool. See [“About the Product Documentation” on page 7](#) for information about the XML Converters documentation.

## Visual Studio 2005 Integration Tool

If you did not register the DataDirect XML Converters Microsoft Help 2.0 documentation with Visual Studio 2005 during product installation, you can run the registration tool from the DataDirect XML Converters program group.

If you install Visual Studio 2005 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 2005.

### **To register the installed DataDirect XML Converters Microsoft Help 2.0 documentation with Visual Studio 2005:**

- 1 Install Visual Studio 2005 according to the instructions in the product’s documentation.
- 2 Select the **XML Converters Help Integration with Visual Studio 2005** 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*.

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## 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 After opening Add/Remove Programs, select **DataDirect XML Converters 3.1** and click the button to remove a program.
- 2 The steps for removing the product are operating system-specific. Follow the instructions on the screen.

## Using the Modify Option

You should use the Modify option to change your existing installation. You might need to do modify your installation if, for example:

- You have a server installation licensed for a specified number of processors installed and want to license additional processors.
- You have a licensed copy for one DataDirect XML Converter installed and want to install an additional licensed DataDirect XML Converter.
- You have an evaluation copy of DataDirect XML Converters installed and you want to make it a licensed copy.
- You did not install the code examples and you decide you want to install them.

### To modify your installation:

- 1 After opening Add/Remove Programs, select **DataDirect XML Converters**, and click the button to change a program. This displays the Welcome window for the DataDirect XML Converters Setup maintenance program. Click **Next** to display the Program Maintenance window.
- 2 Select **Modify** on the Program Maintenance window. Then, click **Next** to continue. The License Information window appears.
- 3 On the License Information window, change your company name as required; then, perform one of the following actions
  - If you are installing or modifying a *licensed* copy of the product, enter the license keys provided to you by DataDirect Technologies in the Key field.
  - If you are modifying an *evaluation* copy of the product, enter EVAL in the Key field.

Then, click **Next** to continue. If you entered the correct license key, the Install Optional Components window is displayed. Otherwise, an error message is displayed. Click **OK**; you are returned to the License Information window.

- 4 Click **Next**. On the Install Optional Components window, you can select the check box to install the Code Examples and other optional components.
- 5 Click **Next** to continue. The Ready to Modify the Program window appears. Click **Install** to begin the installation.
- 6 When the installation has finished, the Setup Completed window appears. 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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