



# BEA WebLogic XML/Non-XML Translator

A Component of BEA WebLogic Integration

## Installation and Configuration Guide

BEA WebLogic XML/Non-XML Translator Release 2.0  
Document Edition 2.0  
July 2001

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## BEA WebLogic XML/Non-XML Translator Installation and Configuration Guide

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# Contents

## About This Document

What You Need to Know .....	v
e-docs Web Site .....	v
How to Print the Document .....	vi
Related Information .....	vi
Contact Us! .....	vii
Documentation Conventions .....	vii

## 1. Installing BEA WebLogic XML/Non-XML Translator

Preinstallation Considerations .....	1-2
Software Requirements .....	1-2
Installing on UNIX Platforms in Console Mode .....	1-3
Installing on Windows Platforms or UNIX in Graphics Mode .....	1-7
Installing Your Software License .....	1-18
Uninstalling XML Translator .....	1-19
Uninstalling on UNIX Platforms in Console Mode .....	1-19
Uninstalling on Windows Platforms .....	1-20
Distribution Directories and Files .....	1-22
Server Installation .....	1-22
Client Installation .....	1-23

## 2. Configuring BEA WebLogic XML/Non-XML Translator

Configuring the XML Translator Plug-In .....	2-1
Configuring for a Clustering Environment .....	2-3
Setting the Deployment Order for Applications .....	2-3
Setting the CLASSPATH .....	2-4
Using the Runtime Option .....	2-5

---

Setting the CLASSPATH Environment Variable .....	2-5
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# About This Document

This document describes the procedures for installing and configuring BEA WebLogic XML/Non-XML Translator, hereafter referred to as XML Translator.

This document covers the following topics:

- Installing BEA WebLogic XML/Non-XML Translator
- Configuring BEA WebLogic XML/Non-XML Translator

## What You Need to Know

BEA WebLogic XML/Non-XML Translator is one of four components that make up BEA WebLogic Integration version 2.0. The instructions presented in this document refer specifically to the installation and configuration of XML Translator. This document is intended mainly for application programmers and technical analysts who install and configure applications to perform data translations from binary to XML and XML to binary.

## e-docs Web Site

BEA product documentation is available on the BEA corporate Web site. From the BEA Home page, click Product Documentation or go directly to the “e-docs” Product Documentation page at <http://e-docs.bea.com>.

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# How to Print the Document

You can print a copy of this document from a Web browser, one file at a time, by using the File—>Print option on your Web browser.

A PDF version of this document is available on the XML Translator Documentation Home page on the e-docs Web site (and also on the documentation CD). You can open the PDF in Adobe Acrobat Reader and print the entire document (or a portion of it) in book format. To access the PDFs, open the XML Translator Documentation Home page, click PDF files, and select the document you want to print.

If you do not have the Adobe Acrobat Reader, you can get it for free from the Adobe Web site at <http://www.adobe.com>.

## Related Information

The following BEA publications are also available:

- *BEA WebLogic XML/Non-XML Translator User Guide*
- *BEA WebLogic XML/Non-XML Translator Plug-In Guide*
- BEA Format Builder online help system

These XML Translator documents contain information that is relevant to using a data translating Java application. For more information in general about Java applications, refer to the following source:

- The Sun Microsystems, Inc. Java site at <http://java.sun.com>

For more information about Java, refer to the Bibliography at <http://edocs.bea.com>.

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# Contact Us!

Your feedback on the XML Translator documentation is important to us. Send us e-mail at **docsupport@bea.com** if you have questions or comments. Your comments will be reviewed directly by the BEA professionals who create and update the XML Translator documentation.

In your e-mail message, please indicate that you are using the documentation for the XML Translator 2.0 release.

If you have any questions about this version of XML Translator, or if you have problems installing and running XML Translator, contact BEA Customer Support through BEA WebSupport at **www.bea.com**. You can also contact Customer Support by using the contact information provided on the Customer Support Card, which is included in the product package.

When contacting Customer Support, be prepared to provide the following information:

- Your name, e-mail address, phone number, and fax number
- Your company name and company address
- Your machine type and authorization codes
- The name and version of the product you are using
- A description of the problem and the content of pertinent error messages

## Documentation Conventions

The following documentation conventions are used throughout this document.

Convention	Item
<b>boldface text</b>	Indicates terms defined in the glossary.
Ctrl+Tab	Indicates that you must press two or more keys simultaneously.

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<b>Convention</b>	<b>Item</b>
<i>italics</i>	Indicates emphasis or book titles.
monospace text	Indicates code samples, commands and their options, data structures and their members, data types, directories, and file names and their extensions. Monospace text also indicates text that you must enter from the keyboard. <i>Examples:</i> #include <iostream.h> void main ( ) the pointer psz chmod u+w * \tux\data\ap .doc tux.doc BITMAP float
<b>monospace boldface text</b>	Identifies significant words in code. <i>Example:</i> void <b>commit</b> ( )
<i>monospace italic text</i>	Identifies variables in code. <i>Example:</i> String <i>expr</i>
UPPERCASE TEXT	Indicates device names, environment variables, and logical operators. <i>Examples:</i> LPT1 SIGNON OR
{ }	Indicates a set of choices in a syntax line. The braces themselves should never be typed.
[ ]	Indicates optional items in a syntax line. The brackets themselves should never be typed. <i>Example:</i> buildobjclient [-v] [-o name ] [-f file-list]... [-l file-list]...

---

---

<b>Convention</b>	<b>Item</b>
	Separates mutually exclusive choices in a syntax line. The symbol itself should never be typed.
...	<p>Indicates one of the following in a command line:</p> <ul style="list-style-type: none"> <li>■ That an argument can be repeated several times in a command line</li> <li>■ That the statement omits additional optional arguments</li> <li>■ That you can enter additional parameters, values, or other information</li> </ul> <p>The ellipsis itself should never be typed.</p> <p><i>Example:</i></p> <pre>buildobjclient [-v] [-o name ] [-f file-list]... [-l file-list]...</pre>
.	Indicates the omission of items from a code example or from a syntax line. The vertical ellipsis itself should never be typed.

---



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# 1 Installing BEA WebLogic XML/Non-XML Translator

This chapter describes the steps required to install the BEA WebLogic XML/Non-XML Translator (hereafter referred to as XML Translator). The following topics are discussed:

- Preinstallation Considerations
- Installing on UNIX Platforms in Console Mode
- Installing on Windows Platforms or UNIX in Graphics Mode
- Installing Your Software License
- Uninstalling XML Translator
- Distribution Directories and Files

## Preinstallation Considerations

The following actions are necessary before installing XML Translator:

- Review the platform support and software requirements sections of the BEA WebLogic XML/Non-XML Translator *Release Notes* and make sure that the computer upon which you are installing XML Translator satisfies the listed requirements.
- Perform a successful installation of WebLogic Server and WebLogic Integration, specifically the WebLogic Process Integrator component, if you are going to run the XML Translator plug-in.

## Software Requirements

The XML Translator Version 2.0 requires the following products:

- Java Software Development Kit (SDK), Standard Edition, v 1.3.0  
or  
Java Runtime Environment (JRE), International Version, v 1.3.0

To run the XML Translator Plug-In, the following applications are also required:

- WebLogic Server 6.0 Service Pack 2
- WebLogic Integration 2.0, specifically the WebLogic Process Integrator 2.0 component

# Installing on UNIX Platforms in Console Mode

To install the XML Translator software on UNIX in console mode, you run the `install.bin` program. A UNIX installation installs the runtime classes that translate data between XML and non-XML, as well as a plug-in for interfacing with WebLogic Process Integrator.

Perform the following steps to install the XML Translator software in console mode on a certified UNIX platform:

1. Log on as root.

```
$ su -  
Password:
```

2. Access the CD-ROM device.

```
# ls -l /dev/cdrom  
  
total 0  
  
brw-rw-rw-    1 root    sys      22,    0 July 1 10:55 clb0t010
```

3. Mount the CD-ROM. Mount commands vary depending on your system configuration. Refer to your System Administrator for the specific command for your system. Use a command similar to the following command to mount the CD-ROM on any UNIX system, **except** HP-UX.

```
# mount -r -F cdfs /dev/cdrom/clb0t010 /mnt
```

If you are installing on an HP-UX system, use a command similar to the following command:

```
# mount -r -F cdfs -o cdcase /dev/cdrom/clb0t010 /mnt
```

4. Change the directory to the `unix` directory on your CD-ROM device. For example,

```
# cd /mnt/wlintegration2.0/unix/xmltranslator
```

5. List the CD-ROM contents.

```
# ls
```

# 1 *Installing BEA WebLogic XML/Non-XML Translator*

---

```
install.bin
```

6. Execute the installation program in character-based mode.

```
# sh install.bin -i console
```

7. The installation program runs and prompts you for responses (see Listing 1-1 for an example).

## **Listing 1-1 UNIX Console Mode Installation Example**

---

```
Preparing to install...
```

```
Preparing CONSOLE Mode Installation...
```

```
=====
```

```
BEA WebLogic XML/Non-XML Translator 2.0(created with  
InstallAnywhere by Zero G)
```

```
-----
```

```
=====
```

```
Introduction
```

```
-----
```

```
This installer will guide you through the installation of 'WebLogic  
XML Non-XML Translator'. On each step, answer the questions  
provided. Type "quit" at any time to exit the installer.
```

```
PRESS <ENTER> TO CONTINUE:
```

```
=====
```

```
License Agreement
```

```
-----
```

```
Please read before installing:
```

```
BEA SYSTEMS, INC. SOFTWARE LICENSE AGREEMENT
```

```
USE OF SOFTWARE ORDERED FROM BEA SYSTEMS, INC. ("BEA") IS PROVIDED  
ONLY UNDER LICENSE FROM BEA. PLEASE READ THE FOLLOWING LICENSE  
CAREFULLY AND INDICATE YOUR ACCEPTANCE BY CLICKING THE ACCEPTANCE  
BOX. CERTAIN CAPITALIZED TERMS ARE DEFINED IN SECTION 11.
```

```
1. LICENSE TERMS
```

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.  
.

. . .an Upgrade or a new product or feature, BEA's opinion will prevail, provided that BEA treats the product offering as a new product or feature for its end user customers generally.

DO YOU AGREE WITH THE TERMS OF THE LICENSE? (Y/N): **y**

=====

Choose BEA Home Directory

-----

- 1- Create a New BEA Home
- 2- Use Existing BEA Home

Enter a number: **2**

- 1- /usr/bea
- 2- /usr2/bea

Existing BEA Home: **1**

=====

Choose Product Directory

-----

- 1- Modify Current Selection (/usr/bea/wlintegration2.0)
- 2- Use Current Selection (/usr/bea/wlintegration2.0)

Enter a number: **2**

# 1 Installing BEA WebLogic XML/Non-XML Translator

---

```
=====
Select a Database
-----

    1- Oracle
    2- Cloudscape
    3- Microsoft SQL Server

: 1

Database Host Name: server_name

Database Name: database_name

Database User: user_name

Database Password: password

Email: email_address

EmailHost: email_server_name

=====

Installing...

-----

[===== | ===== | ===== | =====]
[----- | ----- | ----- | -----]
=====

Install Complete

-----

Congratulations. 'WebLogic XML Non-XML Translator' has been
successfully installed to:

    /usr/BEA/wlintegration2.0/xmltranslator

PRESS <ENTER> TO EXIT THE INSTALLER:
```

---

# Installing on Windows Platforms or UNIX in Graphics Mode

Perform the following steps to install the XML Translator software on a Windows platform or on a UNIX platform in Graphics Mode:

1. Insert the XML Translator CD-ROM.
2. Do one of the following, depending on your platform:

**On Windows:**

- a. Choose Start→Run. The Run dialog displays.
- b. Click Browse to navigate to the CD-ROM drive.
- c. Select the `wlintegration2.0/nt/xmltranslator` directory; then, select the `install.exe` program.
- d. Click Open. The selected path and executable appear in the Run dialog.
- e. Click OK to begin the installation. The Introduction screen (Figure 1-1) is displayed.

**On UNIX:**

- a. Log on as root to install the XML Translator software.

```
$ su -  
Password:
```

- b. Access the CD-ROM device.

```
> ls -l /dev/cdrom
```

```
total 0
```

```
brw-rw-rw-  1 root   sys    22,  0 July 1 10:55 clb0t010
```

- c. Mount the CD-ROM. Mount commands vary depending on your system configuration. Refer to your System Administrator for the specific command for your system. Use a command similar to the following command to mount the CD-ROM on any UNIX system, *except* HP-UX.

```
> mount -r -F cdfs /dev/cdrom/clb0t010 /mnt
```

# 1 Installing BEA WebLogic XML/Non-XML Translator

---

If you are installing on an HP-UX system, use a command similar to the following command:

```
> mount -r -F cdfs -o cdcase /dev/cdrom/clb0t010 /mnt
```

- d. Change the directory to the `xmltranslator` directory on your CD-ROM device. For example,

```
> cd /mnt/wlintegration2.0/unix/xmltranslator
```

- e. List the CD-ROM contents.

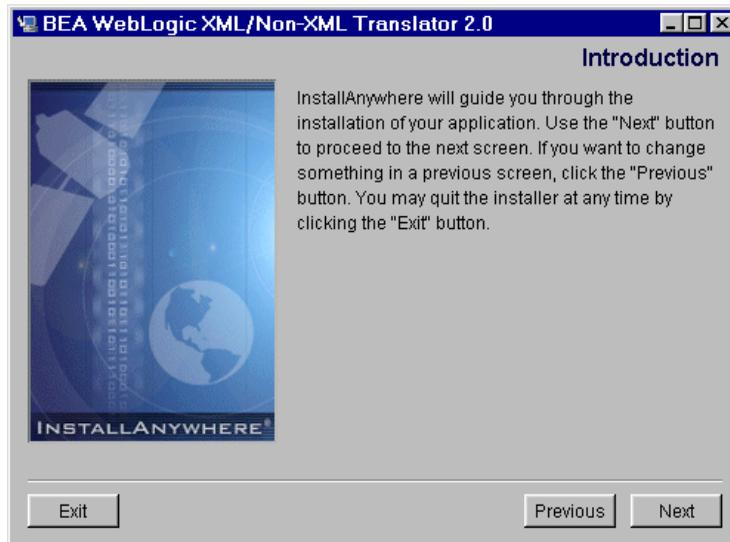
```
/mnt/wlintegration2.0/unix/xmltranslator> ls  
install.bin
```

- f. Execute the installation program.

```
/mnt/wlintegration2.0/unix/xmltranslator> sh install.bin
```

The Introduction screen (see Figure 1-1) is displayed.

**Figure 1-1 Introduction Screen**



3. Click Next to continue with the installation. The License Agreement screen is displayed (Figure 1-2).

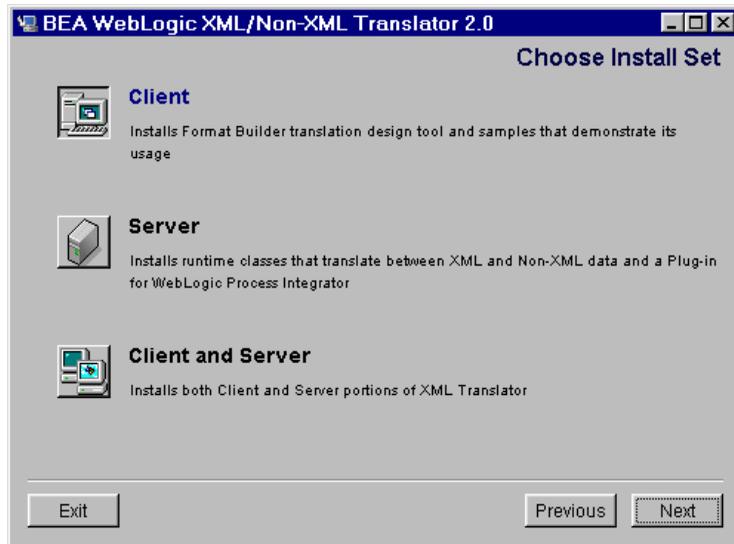
Figure 1-2 License Agreement Screen



4. Click the Yes option button to accept the license agreement; then click Next to proceed with the installation. The Choose Install Set screen is displayed (Figure 1-3). This screen appears in Windows installations only.

**Note:** If you click the No option button, you will not be able to continue with the installation. You must either exit the installation or go back to the Introduction screen.

**Figure 1-3 Choose Install Set Screen**

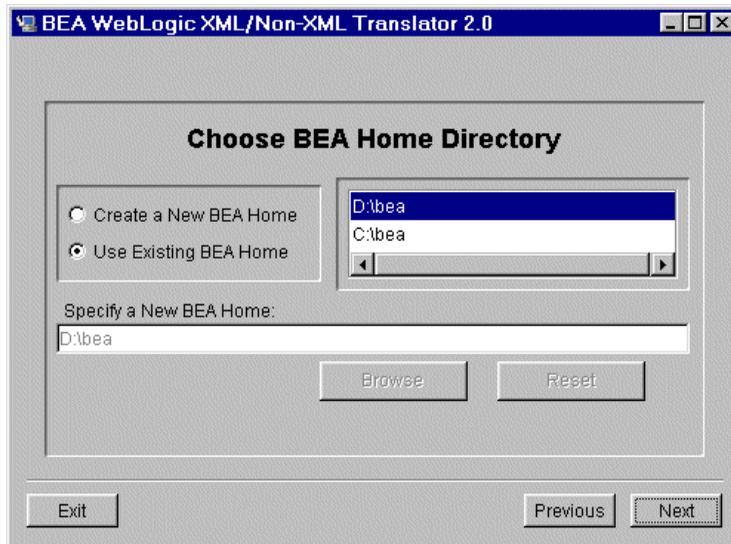


5. Select the install set that you want to install on your system. You can select from the following options:

- **Client** — This option installs the Format Builder design tool and samples that demonstrate its usage.
- **Server** — This option installs the runtime classes that translate data between XML and non-XML, as well as a plug-in for interfacing with WebLogic Process Integrator.
- **Client and Server** — This option installs the Format Builder design tool and samples, the runtime classes, and the plug-in.

Click Next to proceed with the installation. The Choose BEA Home Directory screen is displayed (see Figure 1-4).

Figure 1-4 Choose BEA Home Directory Screen



6. Create or select a BEA Home directory (the default is `c:\bea`). The BEA Home directory is the root directory in which you install all BEA products.

**Note:** If you are performing a Server installation, you must install XML Translator in the same BEA Home directory where you have WebLogic Server and WebLogic Process Integrator installed.

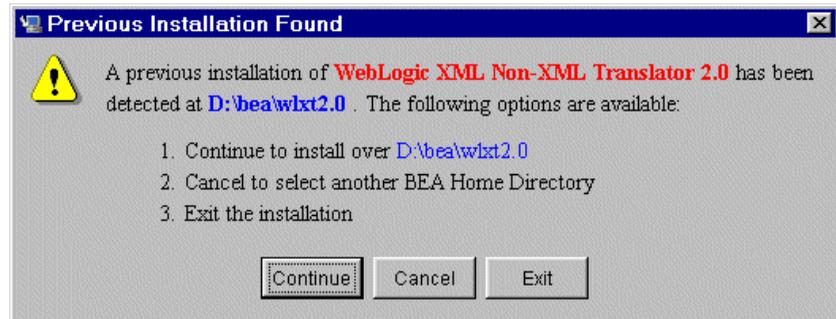
If you do not already have a BEA Home directory, you can create one by following these steps:

- a. Select the Create a New BEA Home option button.
- b. Accept the default location for your BEA Home directory or click Browse to specify a different location. If you accept the default location, your BEA Home directory will be `c:\bea`, and your XML Translator software default installation directory is `c:\bea\wlintegration2.0\xmltranslator`. If you do not want to install XML Translator in this default location, you will have the opportunity, in Step 7, to choose another directory in which to install the software.
- c. Click Next to proceed with the installation.

If you already have one or more BEA Home directories on your system, you can use one of those directories as follows:

- a. Select the Use Existing BEA Home option button.
  - b. Select a BEA Home directory from the list displayed to the right of the option buttons. All valid BEA Home directories are displayed in this list. Valid BEA Home directories are directories where BEA products have been installed using the standard installation program.
  - c. Click Next to proceed with the installation.
7. If the installation program encounters a previous version of XML Translator in the selected BEA Home directory, the Previous Installation Found message box displays (Figure 1-5).

**Figure 1-5 Previous Installation Found Message Box**



From this message box, do one of the following:

- Click Continue to install over the previous version.
  - Click Cancel to return to the Choose BEA Home Directory Screen and select another directory.
  - Click Exit to exit the installation program.
8. If you do not have a successful installation of WebLogic Integration, specifically the WebLogic Process Integrator component, in the BEA Home directory, the WebLogic Process Integrator Not Installed message box displays (Figure 1-6).

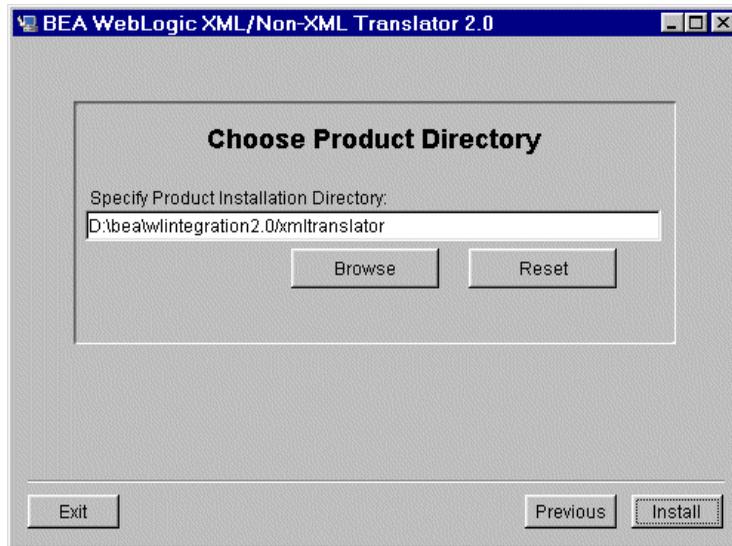
**Figure 1-6 WebLogic Process Integrator Not Installed Message Box**



From this message box, do one of the following:

- Click Exit to exit the installation program.
  - Click Previous to return to the Choose BEA Home Directory Screen and select another directory.
  - Click Next to proceed with the installation process. The .JAR files required for the XML Translator plug-in will be installed in the `wlintegration2.0\repository\lib` directory, but will not be functional until you perform a successful installation of the WebLogic Process Integrator component of WebLogic Integration.
9. If this is the first WebLogic Integration component you are installing, once you have selected a BEA Home Directory in which to install XML Translator, the Choose Product Directory Screen displays (Figure 1-7).

**Figure 1-7 Choose Product Directory Screen**



10. Specify an installation directory for XML Translator by performing the one of the following actions:

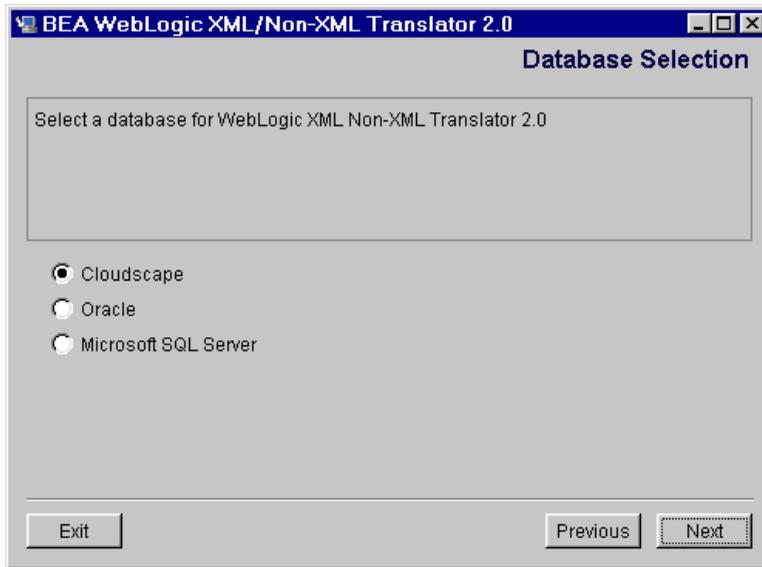
- Accept the default installation directory.
- Enter the installation directory directly into the text entry field.
- Click Browse and navigate to your desired installation root directory, then click OK to make the directory path appear in the Specify Product Installation Directory text entry field.

**Note:** Clicking Reset resets the installation directory to the previous value (before you made any changes).

11. Click Next to proceed with the installation. If you chose a Server Install or a Client and Server Install, the Database Selection screen is displayed (Figure 1-8).

**Note:** If you chose a Client Install, proceed with step 14.

Figure 1-8 Database Selection Screen



12. Choose the database type that contains the document repository and click Next. The Database Configuration screen displays (Figure 1-9).

**Note:** Because a common database is used by all WebLogic Integration components, you should specify the same database and provide the same access information as you provided for any previously installed component. To facilitate this, the information you provided when you installed any other WebLogic Integration component is carried forward to the XML Translator installation.

If, when you installed the WebLogic Process Integrator component of WebLogic Integration, you specified a Sybase database for the custom domain, you must reinstall the WebLogic Process Integrator component and select a database that is supported by XML Translator. Click Exit, to exit the XML Translator installation program. After you have reinstalled WebLogic Process Integrator, you may restart the XML Translator installation program.

If you chose Cloudscape as the database type, proceed to step 13.

**Figure 1-9 Database Configuration Screen**

BEA WebLogic XML/Non-XML Translator 2.0

**Database Configuration**

Service Name:

Database Host Name:

Database User:

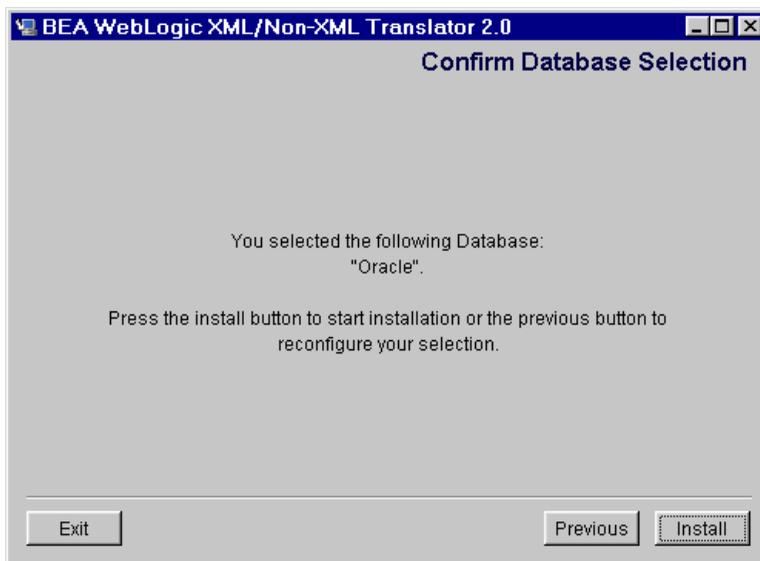
Database Password:

Database Port:

13. Enter the connection information appropriate for your repository database and click Next. The Database Confirmation screen displays (Figure 1-10).

**Note:** Clicking Reset resets the database configuration values to the previous values (before you made any changes).

**Figure 1-10 Database Confirmation Screen**

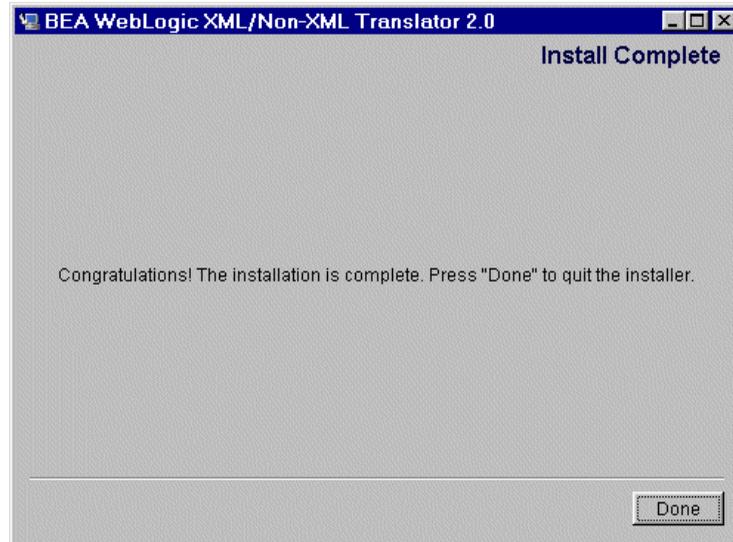


14. Verify that you chose the correct database type and click Install to install the software. If you need to change your database selection, click Previous.

**Note:** Clicking Exit exits the installation program.

Upon installation completion, the Install Complete screen is displayed (Figure 1-11).

**Figure 1-11 Install Complete Screen**



15. Click Done to exit the installation program.

## Installing Your Software License

The components of WebLogic Integration cannot be used without a valid software license. A 30-day license file is automatically installed when you install the first WebLogic Integration component. When you purchase the software, a permanent WebLogic Integration license file will be provided to you by BEA. Follow the directions below to update your license file on the target system.

To update the WebLogic Integration software license:

1. Open a Command Prompt window.
2. Change directories to your BEA Home directory.
3. Run the Update License Utility.

**On Windows:**

```
c:\bea> UpdateLicense [license_file_name]
```

**On UNIX:**

```
/usr/bea> sh updatelicense.sh [license_file_name]
```

## Uninstalling XML Translator

This section provides instructions for uninstalling XML Translator. The following topics are discussed:

- Uninstalling on UNIX Platforms in Console Mode
- Uninstalling on Windows Platforms

## Uninstalling on UNIX Platforms in Console Mode

To uninstall XML Translator on a UNIX platform:

1. Change directories to your `UninstallerData` directory with the following command:

```
> cd  
/usr/bea/wlintegration2.0/unix/xmltranslator/UninstallerData
```

2. Start the uninstallation program with the following command:

```
/usr/bea/wlintegration2.0/unix/xmltranslator/UninstallerData>  
sh Uninstall -i console
```

Listing 1-2 displays an XML Translator uninstallation.

**Note:** The single-dash bar just beneath the double-dash bar in Listing 1-2 is a progress indicator. When the single-dash bar becomes the same length as the double-dash bar, uninstallation is complete.

---

**Listing 1-2 UNIX Uninstallation Example**

---

```
Preparing CONSOLE Uninstall...
```

# 1 Installing BEA WebLogic XML/Non-XML Translator

---

```
=====
BEA WebLogic XML/non-XML Translator 2.0 (InstallAnywhere
Uninstaller by Zero G)

-----

About to uninstall...

    BEA WebLogic XML/non-XML Translator 2.0

This will completely remove all components installed by
InstallAnywhere. It will not remove files and folders created after
the installation.

PRESS <ENTER> TO BEGIN THE UNINSTALL, OR 'QUIT' TO EXIT THE
UNINSTALLER: <ENTER>

=====

Uninstall...
-----

[=====|=====|=====|=====]
[-----|-----|-----|-----]
=====

Uninstall Complete

-----

All items were successfully uninstalled.

PRESS <ENTER> TO EXIT THE UNINSTALLER: <ENTER>
```

---

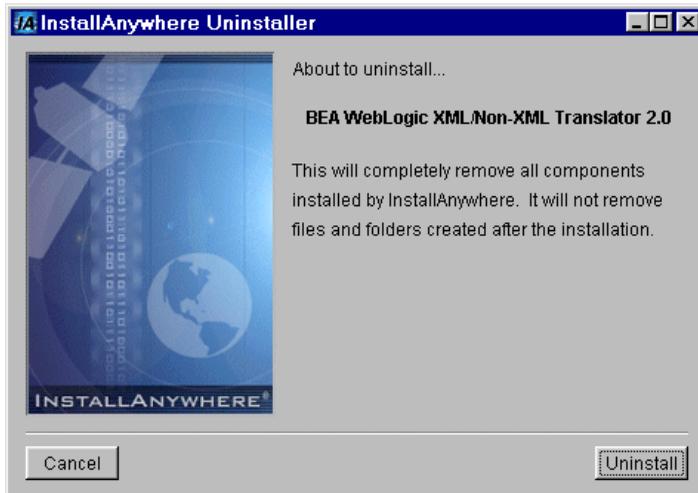
**Note:** Some files may not be uninstalled because they are required for another WebLogic Integration product.

## Uninstalling on Windows Platforms

Perform the following steps to uninstall the XML Translator software on a Windows platform:

1. Choose Start→Programs→BEA WebLogic E-Business Platform→wlintegration2.0→xmltranslator→Uninstall XML Translator from the Start menu. The XML Translator Uninstaller screen is displayed (Figure 1-12).

**Figure 1-12 XML Translator Uninstaller Screen**



2. Click Uninstall to start uninstalling XML Translator. When the process is complete, the screen shown in Figure 1-13 is displayed.

**Figure 1-13 XML Translator Uninstallation Complete Screen**



3. Click Exit to complete the uninstallation.

**Note:** Some files may not be uninstalled because they are required for another WebLogic Integration product.

## Distribution Directories and Files

The XML Translator CD-ROM contains the following directories and files. After running the installation program, verify that the directories and files appropriate for the type of installation you performed are installed on your system.

## Server Installation

Table 1-1 lists the files and directories that get installed when you perform a Server Installation.

**Table 1-1 Server Installation Files and Directories**

<b>Directory</b>	<b>Files</b>
<BEA_Home>\wlintegration2.0\repository	Files required for the WebLogic Integration products to access the document repository.
<BEA_Home>	license.bea log.txt registry.xml UpdateLicense.cmd
<BEA_Home>\utils	utils.jar
<BEA_Home>\wlintegration2.0\ xmltranslator	wlxtrt.jar
<BEA_Home>\wlintegration2.0\ xmltranslator\uninstaller	Files required to run the XML Translator uninstallation program
<BEA_Home>\wlintegration2.0\ xmltranslator\samples	Files required to run the sample applications included on the CD-ROM

Table 1-2 lists the files and directories that get installed when you install the XML Translator Plug-In.

**Table 1-2 Plug-In Installation Files and Directories**

<b>Directory</b>	<b>Files</b>
<BEA_Home>\wlintegration2.0\ processintegrator\lib	wlxtrtmb.jar wlxtpi.jar wlxtpi.war

## Client Installation

Table 1-3 lists the files and directories that get installed when you perform a Client Installation.

# 1 Installing BEA WebLogic XML/Non-XML Translator

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**Table 1-3 Client Installation Files and Directories**

<b>Directory</b>	<b>Files</b>
<BEA_Home>\wlintegration2.0\config	Files that contain configuration information required for XML Translator to work with other products that are part of WebLogic Integration 2.0.
<BEA_Home>\wlintegration2.0\repository	Files required for the WebLogic Integration products to access the document repository.
<BEA_Home>	license.bea log.txt registry.xml UpdateLicense.cmd
<BEA_Home>\utils	utils.jar
<BEA_Home>\wlintegration2.0\xmltranslator	fb.cmd or fb.sh FormatBuilder.config FormatBuilder.exe FormatBuilder.lax FormatBuilderHelp.properties jamdmd42.jar lax.jar LICENSE palette.mfl repository-client.jar weblogic.jar wlxfb.jar xmlx.jar
<BEA_Home>\wlintegration2.0\xmltranslator\uninstaller	Files required to run the XML Translator uninstallation program
<BEA_Home>\wlintegration2.0\xmltranslator\apidoc	Files containing Java documentation
<BEA_Home>\wlintegration2.0\xmltranslator\help	Files required to access the Format Builder online help system
<BEA_Home>\wlintegration2.0\xmltranslator\samples	Files required to run the samples applications included on the XML Translator CD-ROM

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# 2 Configuring BEA WebLogic XML/Non-XML Translator

When you perform a Client installation of XML Translator, the installation program automatically configures everything you need to run Format Builder. However, if you perform a Server installation, some manual configuration steps may be necessary. This section describes these configuration steps. The following topics are discussed:

- Configuring the XML Translator Plug-In
- Setting the CLASSPATH

## Configuring the XML Translator Plug-In

If you want to use the XML Translator Plug-In to interface to WebLogic Process Integrator, you need to verify that the plug-in component is listed in the `config.xml` file and, if not, add it. You also need to add an entry for the `.war` file for the plug-in. To do this, follow these steps:

1. Open the `config.xml` file in a text editor. This file can be found in the `config` directory where you have WebLogic Process Integrator installed.

**Note:** The `config` directory contains separate subdirectories for each domain you have created. Each of these subdirectories contains its own `config.xml` file. Make sure you open the file under the correct domain.

2. Locate the `<Application Name="WLPI Application">` section and verify that the following entry exists somewhere within this section:

```
<WebAppComponent Name="com.bea.wlxt.WLXTPlugin"
  Targets="[server_name]" URI="wlxtpi.war"/>
<EJBComponent Name="wlxtpi.jar"
  Targets="[server_name]"
  URI="wlxtpi.jar"
<EJBComponent Name="WLXTEJB.jar"
  Targets="[server_name]"
  URI="WLXTEJB.jar"/>
```

3. If the entry is not listed in the file, add it anywhere within the `<Application>` section, substituting the appropriate server name for the `Targets` parameter.
4. The above entry may be present in the `config.xml` file, but it may be "commented out." A commented entry appears as follows:

```
<!--WLXT_START
<WebAppComponent Name="com.bea.wlxt.WLXTPlugin"
  Targets="[server_name]" URI="wlxtpi.war"/>
<EJBComponent Name="wlxtpi.jar"
  Targets="[server_name]"
  URI="wlxtpi.jar"
<EJBComponent Name="WLXTEJB.jar"
  Targets="[server_name]"
  URI="WLXTEJB.jar"/>
/>WLXT_END-->
```

If the entry is commented, delete the `<!--WLXT_START` from the beginning of the entry and the `WLXT_END-->` from the end. Then, substitute the appropriate server name for the `Targets` parameter.

5. Add the following entry anywhere within the `<Application>` section, substituting the appropriate server name for the `Targets` parameter.

```
<WebAppComponent Name="com.bea.wlxt.WLXTPlugin"
  Targets="[server_name]"
  URI="wlxtpi.war"
/>
```

6. Save the `config.xml` file.

## Configuring for a Clustering Environment

The XML Translator Plug-In can operate successfully in a WebLogic Server clustered environment. (Refer to the WebLogic Server documentation for more information on clustering.) If you want to take advantage of this capability, you must perform some additional configuration steps, as listed below:

1. Create a JMS topic on one of the servers within the cluster. The JNDI name of this topic must be as follows:

```
com.bea.wlxt.cluster.BroadcastTopic
```

**Note:** Refer to the WebLogic Process Integrator documentation for more information on creating JMS topics.

2. Open the `config.xml` file in a text editor. This file can be found in the `config` directory where you have WebLogic Process Integrator installed.

**Note:** The `config` directory contains separate subdirectories for each domain you have created. Each of these subdirectories contains its own `config.xml` file. Make sure you open the file under the correct domain.

3. Locate the `<Application>` section and add the following anywhere within this section:

```
<EJBComponent Name="wlxt-cluster"  
  Targets="[server_name]  
  URI="wlxtmb.jar"  
>
```

4. Save the `config.xml` file.

## Setting the Deployment Order for Applications

In order to run successfully, the applications listed in the `config.xml` file must be deployed in a specific order. The component `wlpi-ebb.jar` must be deployed first, and, if you have configured for the XML Translator Plug-In and for clustering (see [Configuring for a Clustering Environment](#)), the clustering component must be deployed after the plug-in component. The rest of the application components can be deployed in any order.

To set the deployment order, follow these steps:

1. Locate the following line in the <Application> section of the config.xml file:

```
<EJBComponent Name="wlpi-ejb.jar"
  Targets="[server_name]"
  URI="wlpi-ejb.jar"
/>
```

2. Add the following parameter to the end of the line:

```
DeploymentOrder=0
```

This causes the wlpi-ejb.jar component to deploy first.

3. Locate the following line in the <Application> section of the config.xml file:

```
<EJBComponent Name="wlxt-plugin"
  Targets="[server_name]"
  URI="wlxtpi.jar"
/>
```

4. Add the following parameter to the end of the line:

```
DeploymentOrder=1
```

This causes the wlpi-ejb.jar component to deploy next.

5. Locate the following line in the <Application> section of the config.xml file:

```
<EJBComponent Name="wlxt-cluster"
  Targets="[server_name]"
  URI="wlxtmb.jar"
/>
```

6. Add the following parameter to the end of the line:

```
DeploymentOrder=2
```

This causes the wlpi-ejb.jar component to deploy next.

## Setting the CLASSPATH

If you are going to build and run a Java application that uses XML Translator, you must set the CLASSPATH for the XML Translator .jar files. You can do this in one of two ways:

- Use the `-classpath` runtime option with the Java compiler or the Java interpreter.
- Set the CLASSPATH environment variable.

## Using the Runtime Option

To use the runtime option to set the CLASSPATH using the Java compiler, type one of the following commands, depending on your platform:

### On Windows:

```
javac -classpath "<WLS_Home>\weblogic.jar;  
<WLS_Home>\xmlx.jar;<WLXT>\wlxtrt.jar" MyApp.java
```

### On UNIX:

```
javac -classpath "<WLS_Home>\weblogic.jar:  
<WLS_Home>\xmlx.jar:<WLXT>\wlxtrt.jar" MyApp.java
```

To use the runtime option to set the CLASSPATH using the Java interpreter, type one of the following commands, depending on your platform:

### On Windows:

```
java -classpath "<WLS_Home>\weblogic.jar;  
<WLS_Home>\xmlx.jar;<WLXT>\wlxtrt.jar" MyApp
```

### On UNIX:

```
java -classpath "<WLS_Home>\weblogic.jar:  
<WLS_Home>\xmlx.jar:<WLXT>\wlxtrt.jar" MyApp
```

## Setting the CLASSPATH Environment Variable

To set the CLASSPATH environment variable, type one of the following commands, depending on your platform:

### On Windows, for Server installation:

```
set CLASSPATH="<WLS_Home>\lib\weblogic.jar;  
<WLS_Home>\lib\xmlx.jar;<WLXT>\wlxtrt.jar"
```

### **On Windows, for Client installation:**

```
set CLASSPATH="<WLS_Home>\lib\weblogic.jar;  
<WLS_Home>\lib\xmlx.jar;<WLXT>\wlxtfb.jar;"
```

### **On UNIX:**

```
CLASSPATH=<WLS_Home>\lib\weblogic.jar:  
<WLS_Home>\lib\xmlx.jar:<WLXT>\wlxtrt.jar
```

```
export CLASSPATH
```