



BEA WebLogic XML/Non-XML Translator

Installation and Configuration Guide

BEA WebLogic XML/Non-XML Translator 1.0.1
Document Edition 1.1
March 2001

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

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About This Document

This document covers the following topics:

- Chapter 1, “Installing BEA WebLogic XML/Non-XML Translator,” covers the installation of BEA WebLogic XML/non-XML Translator in both the console-based and graphics-based mode.
- Chapter 2, “Configuring BEA WebLogic XML/Non-XML Translator,” covers the configuration of BEA WebLogic XML/non-XML Translator for both stand-alone and integrated usage.

What You Need to Know

This document is intended mainly for application developers needing to translate binary data files into XML documents and XML documents into binary data files. They do this using the BEA WebLogic XML/non-XML Translator application (hereafter referred to as XML Translator). This capability provides for easier integration of third party applications into the BEA WebLogic Server environment.

e-docs Web Site

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

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 product 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 the PDF files button 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 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>.

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 1.0.1 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
boldface text	Indicates terms defined in the glossary.
Ctrl+Tab	Indicates that you must press two or more keys simultaneously.
<i>italics</i>	Indicates emphasis or book titles.

Convention	Item
monospace text	<p>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.</p> <p><i>Examples:</i></p> <pre>#include <iostream.h> void main () the pointer psz chmod u+w * \tux\data\ap .doc tux.doc BITMAP float</pre>
monospace boldface text	<p>Identifies significant words in code.</p> <p><i>Example:</i></p> <pre>void commit ()</pre>
<i>monospace</i> <i>italic</i> text	<p>Identifies variables in code.</p> <p><i>Example:</i></p> <pre>String <i>expr</i></pre>
UPPERCASE TEXT	<p>Indicates device names, environment variables, and logical operators.</p> <p><i>Examples:</i></p> <pre>LPT1 SIGNON OR</pre>
{ }	<p>Indicates a set of choices in a syntax line. The braces themselves should never be typed.</p>
[]	<p>Indicates optional items in a syntax line. The brackets themselves should never be typed.</p> <p><i>Example:</i></p> <pre>buildobjclient [-v] [-o name] [-f file-list]... [-l file-list]...</pre>
	<p>Separates mutually exclusive choices in a syntax line. The symbol itself should never be typed.</p>

Convention	Item
-------------------	-------------

...

Indicates one of the following in a command line:

- That an argument can be repeated several times in a command line
- That the statement omits additional optional arguments
- That you can enter additional parameters, values, or other information

The ellipsis itself should never be typed.

Example:

```
buildobjclient [-v] [-o name ] [-f file-list]...  
[-l file-list]...
```

.

Indicates the omission of items from a code example or from a syntax line.

.

The vertical ellipsis itself should never be typed.

.



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 in Console Mode
- Uninstalling on UNIX in Console Mode
- Installing on Windows NT or UNIX in Graphics Mode
- Installing Your Software License
- Uninstalling on Windows NT or UNIX in Graphics Mode
- Distribution Libraries, Executables, and Sample 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.
- Install a Java Environment that meets the software requirements listed in the *BEA WebLogic XML/Non-XML Translator Release Notes*.
- Set the `JAVA_HOME` environment variable to the directory containing your Java runtime environment. The default on UNIX is the `bin/jre` directory under your Java Development environment root directory.

Installing on UNIX in Console Mode

To install the XML Translator software on UNIX, you run the `install.bin` BEA standard installation program. You have the option of using console mode. A console mode installation installs all the necessary software components without displaying a graphical user interface.

Note: The installation procedure used in a console mode installation is the same as the procedure used in a graphics mode installation. The same installation steps and options are presented in the same order. The only difference between installation modes is that in the graphics mode you are led through the installation by a graphical user interface.

Also, the Format Builder (XML Translator design tool) is not installed or configured on UNIX.

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

1. Log on as root to install the XML Translator software.

```
$ su -  
Password:
```

2. Access the CD-ROM device.

```
# ls -l /dev/cdrom  
  
total 0  
  
brw-rw-rw-    1 root    sys      22,    0 April 14 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/unix
```

5. List the CD-ROM contents.

```
# ls  
  
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).

Note: Listing 1-1 provides an example of a default console mode installation. For an explanation of and more information on the various installation options, see "Installing on Windows NT or UNIX in Graphics Mode."

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

Listing 1-1 Console Mode Installation Example

```
Preparing to install...

Preparing CONSOLE Mode Installation...

=====

BEA WebLogic XML/Non-XML Translator 1.0.1(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: <ENTER>

=====

License Agreement

-----

Please read before installing:

BEA Software License

The Software and accompanying documentation (respectively
"Software" and "Documentation") ...
```

.

User Count means the number of users specified on the uniform product code label provided on the outside packaging of the Product.

PRESS <ENTER> TO CONTINUE: **<ENTER>**

Connection Management Software means the computer programs ...

.

...

... internally within your organization, up to

PRESS <ENTER> TO CONTINUE: **<ENTER>**

the User Count number of copies of the Client Software. The ...

.

...

... shall also automatically terminate if you breach

PRESS <ENTER> TO CONTINUE: **<ENTER>**

any of the terms or conditions. You agree to destroy the original and all ...

.

...

writing and signed by a duly authorized representative off the party to be

PRESS <ENTER> TO CONTINUE: **<ENTER>**

bound. No waiver of any past or present right arising from any breach or ...

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

.
U.S. Government Restricted Rights. Use, duplication, or disclosure
by the

PRESS <ENTER> TO CONTINUE: <ENTER>

United States Government is subject to restrictions as set forth in
FAR ...

.
.
.
... countries

Copyright 2001, 1996-1999 BEA Systems, Inc., or its suppliers, as
applicable.

All Rights Reserved.

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

=====
Choose Install Set

Please Choose the Install Set to be installed by this installer.

->1- Typical Install

2- Minimal Install

ENTER THE NUMBER FOR THE INSTALL SET, OR <ENTER> TO ACCEPT THE
DEFAULT **1**

=====
Choose BEA Home Directory

1- Create a New BEA Home

2- Use Existing BEA Home

Enter a number: **1**

```

Specify a New BEA Home: /usr/bea
=====
Choose Product Directory
-----
    1- Modify Current Selection (/usr/bea/wlxt1.0.1)
    2- Use Current Selection (/usr/bea/wlxt1.0.1)
Enter a number: 2
=====
Installing...
-----
[=====|=====|=====|=====]
[-----|-----|-----|-----]
=====
Install Complete
-----
Congratulations. 'WebLogic XML/Non-XML Translator' has been
successfully installed to:

    /usr/bea/wlxt1.0.1
PRESS <ENTER> TO EXIT THE INSTALLER: <ENTER>

```

Uninstalling on UNIX in Console Mode

If you install XML Translator in console mode (see “Installing on UNIX in Console Mode”), you must uninstall it in console mode.

1 Installing BEA WebLogic XML/Non-XML Translator

To uninstall XML Translator in console mode:

1. Change directories to your UninstallerData directory under your root directory (default is /usr/BEA/wlxt1.0.1/UninstallerData) with the following command:

```
> cd /usr/BEA/wlxt1.0.1/UninstallerData
```

2. Start the uninstallation program with the following command:

```
/usr/BEA/wlxt1.0.1/UninstallerData> sh Uninstall -i console
```

Listing 1-2 displays a 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 Console Mode Uninstallation Example

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

```
=====
```

```
BEA WebLogic XML/Non-XML Translator 1.0.1 (InstallAnywhere  
Uninstaller by Zero G)
```

```
-----
```

```
About to uninstall...
```

```
BEA WebLogic XML/Non-XML Translator 1.0.1
```

```
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>
```

Installing on Windows NT or UNIX in Graphics Mode

Perform the following steps to install the XML Translator software:

1. Insert the XML Translator CD-ROM.

On Windows:

Click Run from the Start menu. The Run window displays. Click Browse to navigate to the CD-ROM drive. Select the `winnt` directory and select the `setup.exe` program. Click Open to make the path and executable appear in the Run dialog box, then select OK to run the executable and begin the installation. The Introduction screen (see 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 April 14 10:55 c1b0t010
```

1 Installing BEA WebLogic XML/Non-XML Translator

- 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
```

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 `unix` directory on your CD-ROM device. For example,

```
> cd /mnt/unix
```

- e. List the CD-ROM contents.

```
/mnt/unix> ls
```

```
install.bin  hp  sun5x  aix43
```

- f. Execute the installation program.

```
/mnt/unix> sh install.bin
```

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

Figure 1-1 Introduction Screen



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

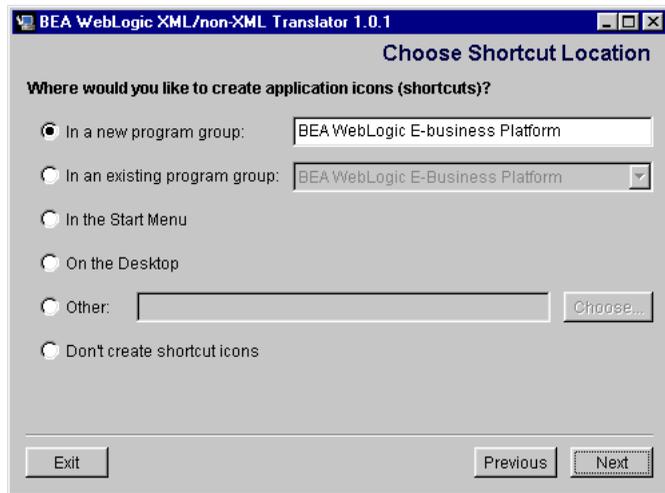
Figure 1-2 License Agreement Screen



3. Click the Yes option button to accept the license agreement, then click Next to proceed with the installation. The Choose Shortcut Location screen is displayed (see Figure 1-3).

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 Shortcut Location Screen



Note: The following step and the screen with which it is associated (see Figure 1-3) apply only to Windows installations.

4. Select the location where you would like to create shortcuts to the XML Translator software, then click Next. You can select from the following option buttons:
 - In a new program group. You can enter a name of your choice in the text box or use the default. The shortcut icons are created in the selected Program group accessible from the Start menu.
 - In an existing program group. To add the XML Translator shortcuts to an existing program group, select the desired Program group from the drop-down list.
 - In the Start Menu. The XML Translator shortcuts are added directly to the Start Menu and are not included in a Program group.
 - On the Desktop. The XML Translator shortcuts are added to your Desktop and are not accessible from the Start Menu.
 - Other. You can enter a folder name in the text box or click Choose and select an existing folder on your system. The shortcuts are placed in the specified

folder. You can access them through My Computer or using the Windows Explorer.

- Don't create shortcut icons. If you choose this option, you will only be able to access the software using scripts or commands.

The Choose Install Set screen is displayed (see Figure 1-4).

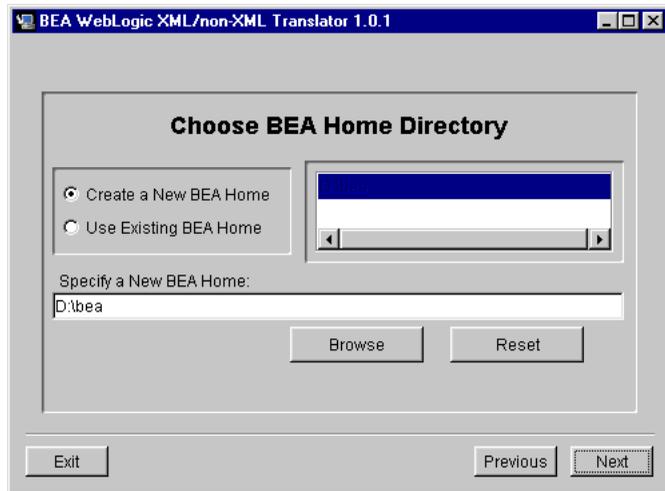
Figure 1-4 Choose Install Set Screen



5. Select the install set that you want to install on your system. You can select from the following options:
 - **Typical Install:** This option installs the complete XML Translator application.
 - **Minimal Install:** This option installs only the files required by XML Translator.
 - **Customize:** This option installs any combination of XML Translator Runtime, Format Builder, Online Help, Documentation, or Samples that you select. If you click Customize, a screen appears allowing you to select from these options.

Click Next to proceed with the installation. The Choose BEA Home Directory screen is displayed (see Figure 1-5).

Figure 1-5 Choose BEA Home Directory Screen



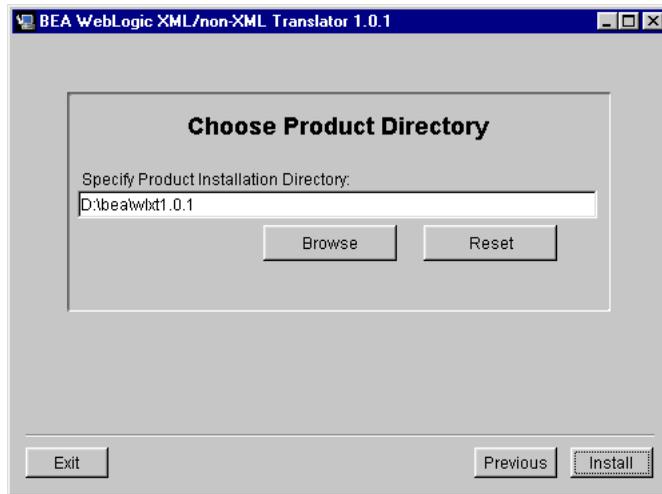
6. Create or select a BEA Home directory. The BEA Home directory is the root directory in which you install all BEA products. If you do not already have a BEA Home directory (default is `c:\bea` on Windows NT and `/usr/bea` on UNIX), you will have the option of creating a new BEA Home directory. You can create a new BEA Home directory as follows:
 - 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\wlxt1.0.1`. 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. Click Next to proceed with the installation. The Choose Product Directory screen is displayed (see Figure 1-6).

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

- a. Click on the Use Existing BEA Home option button.
- b. Select a BEA Home directory from the scrolling list displayed to the right of the option buttons. All of the valid BEA Home directories will be displayed in the scrolling list, and only valid BEA Home directories can be used to install

XML Translator. Valid BEA Home directories are directories where BEA products have been installed using BEA's standard installation program. Click Next to proceed with the installation. The Choose Product Directory screen is displayed (see Figure 1-6).

Figure 1-6 Choose Product Directory Screen



7. In the Specify Product Installation Directory text entry field, specify an installation directory for XML Translator by performing the one of the following actions:
 - Accept the default installation directory.
 - Enter your desired installation root 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.
8. Click Install to install the software. Upon installation completion, the Install Complete screen is displayed (see Figure 1-7).

Figure 1-7 Install Complete Screen



9. Click Done to complete the installation.

Installing Your Software License

The XML Translator requires licensing. Your XML Translator licensing information must be contained in the `license.bea` file which resides in the BEA Home directory (`c:\bea` is the default on Windows NT, `/usr/bea` is the default on UNIX).

If you do not currently have a `license.bea` file in your BEA Home directory, copy the XML Translator license file that you received from distribution to your BEA Home directory and rename it `license.bea`. If you do have a `license.bea` file in your BEA Home directory, copy the XML Translator license file that you received from distribution to your BEA Home directory, then run the Update License Utility to append `license.bea` with the licensing information in the XML Translator license file.

To append an existing `license.bea` file with the XML Translator licensing information:

1. Make sure that your XML Translator license file is copied into the BEA Home directory.
2. Open a Command Prompt window.
3. Change directories to your BEA Home directory.

On Windows:

If your BEA Home directory is `c:\bea`, the default BEA Home directory and you are presently on the c drive, you would do this as follows:

```
c:\> cd bea
```

On UNIX:

If your BEA Home directory is `/usr/bea`, you would do this as follows:

```
> cd /usr/bea
```

4. Run the Update License Utility.

On Windows:

```
c:\bea> UpdateLicense <XML Translator license file>
```

For example, if your XML Translator license file is named `license1.bea`, then you would run the `UpdateLicense` utility as follows:

```
c:\bea> UpdateLicense license1.bea
```

On UNIX:

```
/usr/bea> sh updatelicense.sh <XML Translator license file>
```

For example, if your XML Translator license file is named `license1.bea`, then you would run the `updatelicense` utility as follows:

```
/usr/bea> sh updatelicense.sh license1.bea
```

The `license.bea` file will now be appended with the XML Translator licensing information.

Uninstalling on Windows NT or UNIX in Graphics Mode

Perform the following steps to uninstall the XML Translator software:

1. **On Windows NT:**

Choose Start→ Programs→BEA WebLogic E-Business Platform→ WebLogic XML Non-XML Translator 1.0.1→Uninstall XML Translator from the Start menu. The screen in Figure 1-8 is displayed.

On UNIX:

a. Change directories to your UninstallerData directory under your XML Translator root directory (default is /usr/bea/wlxt1.0.1/UninstallerData) with the following command:

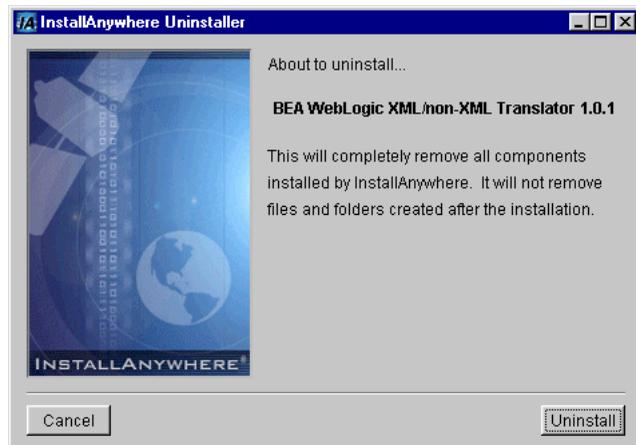
```
> cd /usr/bea/wlxt1.0.1/UninstallerData
```

b. Start the uninstallation program with the following command:

```
/usr/bea/wlxt1.0.1/UninstallerData> sh Uninstall
```

The screen in Figure 1-8 is displayed.

Figure 1-8 XML Translator Uninstall Start Screen



2. Click Uninstall to start uninstalling XML Translator. When the uninstallation of XML Translator is complete, Figure 1-9 is displayed.

Figure 1-9 XML Translator Uninstallation Complete Screen



3. Click Exit to complete the uninstallation.

Distribution Libraries, Executables, and Sample Files

The XML Translator CD-ROM contains the following libraries and executable programs. After installing the XML Translator software, verify that these libraries and programs are installed on your system. Verify that the files listed in Table 1-1 and Table 1-2 are installed by the XML Translator software.

Note: Files contained in the `apidoc`, `doc`, `help`, and `UninstallerData` directories or their sub-directories are not listed in either Table 1-1 or Table 1-2.

Table 1-1 Distribution Libraries and Executables

Directory	Files
<root directory>	dom2.jar ebase.jar fb.cmd FormatBuilder.config FormatBuilder.lax FormatBuilderHelp.properties format_builder.ico jamdmd41.jar lax.jar pallet.xml sax2.jar wlxt.jar xmlx.jar

Sample Files

The Sample Application files listed in Table 1-2 are included in the <XML Translator Root Directory>\samples directory.

Table 1-2 Sample Application Files

Sub-Directory	Files
COBOL	emprec5.cpy emprec5.data
po	po.dtd po.mfl po_01.data po_02.data
wlpi\ejb	Autopay.cmd Autopay.sh HR.mfl Makefile
wlpi\ejb	Payroll.mfl WLXTExample.xml

Table 1-2 Sample Application Files

Sub-Directory	Files
wlpi\ejb\lib	WLXTEJB51.jar (for WLS 5.1) or WLXTEJB60.jar (for WLS 6.0)
wlpi\ejb\source	AutoPay.java EmployeeRecord.java HexDump.java HR.java HRBean.java HRHome.java Payroll.java PayrollBean.java PayrollHome.java XMLnonXMLTranslator.java XMLnonXMLTranslatorBean.java XMLnonXMLTranslatorHome.java
wlpi\servlet	Makefile readme.txt SampleData.data SampleData.mfl SampleWorkFlow.xml WLPI_sample.war
wlpi\servlet\images	bealogo.jpg
wlpi\servlet\source	WLPI_sample.java
wlpi\servlet\WEB-INF	hello.html web.xml weblogic.xml
wlpi\servlet\WEB-INF\classes\bea\wlxt\samples \wlpi\servlet	WLPI_sample.class
wlpi\servlet\WEB-INF\lib	cos.jar dom2.jar ebase.jar HtmlScreen.jar sax2.jar wlxt.jar xmlx.jar

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

2 Configuring BEA WebLogic XML/Non-XML Translator

In order to build and run applications that use BEA WebLogic XML/Non-XML Translator (hereafter referred to as XML Translator), you must set your class path to include the XML Translator jar files and the path to your license file (`license.bea`).

This section discusses the following topics:

- Necessary XML Translator jar Files
- Setting the Class Path

Necessary XML Translator jar Files

The following XML Translator `jar` files are needed to build and run applications that use XML Translator:

- `dom2.jar`
- `ebase.jar`
- `sax2.jar`
- `wlxt.jar`
- `xmlx.jar`

Setting the Class Path

You can set your class path in one of two ways:

- Use the `-classpath` runtime option when you invoke the Java compiler (`javac`) or the interpreter (`java`)
- Set the `CLASSPATH` environment variable.

The class path setting is different for UNIX and Windows platforms. On Windows NT, semicolons separate each entry in the class path. On UNIX, colons separate each entry in the class path.

Using the `-classpath` runtime option with the Java Compiler and Java Interpreter

The examples below illustrate using the Java compiler (`javac`) and the Java interpreter (`java`), to build and run a Java application that uses XML Translator. The examples that run the application include an additional directory that contains the license file (`license.bea`).

Note: The following examples apply to a default installation. In a default installation, your BEA Home directory is `c:\bea` on Windows and `/usr/bea` on UNIX. Your XML Translator root directory is `c:\bea\wlxt1.0.1` on Windows and `/usr/bea/wlxt1.0.1` on UNIX. Your software will be installed in these directories if you accept all defaults when installing it (see “Chapter 1, “Installing BEA WebLogic XML/Non-XML Translator,” for more information).

On Windows:

```
javac -classpath "C:\bea\wlxt1.0.1\dom2.jar;  
C:\bea\wlxt1.0.1\ebase.jar;C:\bea\wlxt1.0.1\sax2.jar;  
C:\bea\wlxt1.0.1\wlxt.jar;C:\bea\wlxt1.0.1\xmlx.jar" MyApp.java
```

```
java -classpath "C:\bea;C:\bea\wlxt1.0.1\dom2.jar;  
C:\bea\wlxt1.0.1\ebase.jar;C:\bea\wlxt1.0.1\sax2.jar;  
C:\bea\wlxt1.0.1\wlxt.jar;C:\bea\wlxt1.0.1\xmlx.jar" MyApp
```

On UNIX:

```
javac -classpath "/usr/bea/wlxt1.0.1/dom2.jar:  
/usr/bea/wlxt1.0.1/ebase.jar:/usr/bea/wlxt1.0.1/sax2.jar:  
/usr/bea/wlxt1.0.1/wlxt.jar:/usr/bea/wlxt1.0.1/xmlx.jar"  
MyApp.java
```

```
java -classpath "/usr/bea:/usr/bea/wlxt1.0.1/dom2.jar:  
/usr/bea/wlxt1.0.1/ebase.jar:/usr/bea/wlxt1.0.1/sax2.jar:  
/usr/bea/wlxt1.0.1/wlxt.jar:/usr/bea/wlxt1.0.1/xmlx.jar" MyApp
```

Setting the CLASSPATH Environment Variable

An alternative to using the command line classpath option, is to set the environment variable `CLASSPATH`. Below are examples of setting this variable on both the Windows and UNIX platforms.

On Windows:

```
set
CLASSPATH="C:\bea\wlxt1.0.1\dom2.jar;C:\bea\wlxt1.0.1\ebase.jar;
C:\bea\wlxt1.0.1\sax2.jar;C:\bea\wlxt1.0.1\wlxt.jar;
C:\bea\wlxt1.0.1\xmlx.jar"
```

On UNIX:

```
CLASSPATH=/usr/bea:/usr/bea/wlxt1.0.1/dom2.jar:/usr/bea/wlxt1.0.1
/ebase.jar:/usr/bea/wlxt1.0.1/sax2.jar:/usr/bea/wlxt1.0.1/wlxt.ja
r:/usr/bea/wlxt1.0.1/xmlx.jar

export CLASSPATH
```