



Installing Your Development Environment

October 2008

Adobe® LiveCycle® ES
Update 1 (8.2)

© 2008 Adobe Systems Incorporated. All rights reserved.

Adobe® LiveCycle® ES Update 1 Installing Your Development Environment for Microsoft® Windows®
Edition 2.2, October 2008

If this guide is distributed with software that includes an end user agreement, this guide, as well as the software described in it, is furnished under license and may be used or copied only in accordance with the terms of such license. Except as permitted by any such license, no part of this guide may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, recording, or otherwise, without the prior written permission of Adobe Systems Incorporated. Please note that the content in this guide is protected under copyright law even if it is not distributed with software that includes an end user license agreement.

The content of this guide is furnished for informational use only, is subject to change without notice, and should not be construed as a commitment by Adobe Systems Incorporated. Adobe Systems Incorporated assumes no responsibility or liability for any errors or inaccuracies that may appear in the informational content contained in this guide.

Please remember that existing artwork or images that you may want to include in your project may be protected under copyright law. The unauthorized incorporation of such material into your new work could be a violation of the rights of the copyright owner. Please be sure to obtain any permission required from the copyright owner.

Any references to company names, company logos and user names in sample material or sample forms included in this documentation and/or software are for demonstration purposes only and are not intended to refer to any actual organization or persons.

Adobe, the Adobe logo, Acrobat, Flash, and LiveCycle are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.

BEA WebLogic is a registered trademark of BEA Systems, Inc.

IBM and WebSphere are trademarks of International Business Machines Corporation in the United States, other countries, or both.

JBoss is a registered trademark of Red Hat, Inc. in the United States and other countries.

Microsoft, Windows, and Windows Server are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Intel and Pentium are trademarks or registered trademark of Intel Corporation or its subsidiaries in the U.S. and other countries.

Sun and Java are trademarks or registered trademarks of Sun Microsystems, Inc. in the United States and other countries.

All other trademarks are the property of their respective owners.

This product contains either BSAFE and/or TPEM software by RSA Security, Inc.

This product includes software developed by the Apache Software Foundation (<http://www.apache.org/>).

This product includes software developed by the IronSmith Project (<http://www.ironsmith.org/>).

This product includes software developed by the OpenSymphony Group (<http://www.opensymphony.com/>).

This product includes software developed by the Indiana University Extreme! Lab (<http://www.extreme.indiana.edu/>).

This product includes copyrighted software developed by E. Wray Johnson for use and distribution by the Object Data Management Group (<http://www.odmg.org/>).

Portions © Eastman Kodak Company, 199- and used under license. All rights reserved. Kodak is a registered trademark and Photo CD is a trademark of Eastman Kodak Company.

Powered by Celequest. Copyright 2005-2008 Adobe Systems Incorporated. All rights reserved. Contains technology distributed under license from Celequest Corporation. Copyright 2005 Celequest Corporation. All rights reserved.

Single sign-on, extending Active Directory to Adobe LiveCycle ES provided by Quest Software “www.quest.com/identity-management” in a subsequent minor release that is not a bug fix (i.e., version 1.1 to 1.2 but not 1.1.1 to 1.1.2) of the Licensee Product that incorporates the Licensed Product.

The Spelling portion of this product is based on Proximity Linguistic Technology.

©Copyright 1989, 2004 All Rights Reserved Proximity Technology A Division of Franklin Electronic Publishers, Inc. Burlington, New Jersey USA.

© Copyright 1990 Merriam-Webster Inc. © Copyright 1990 All Rights Reserved Proximity Technology A Division of Franklin Electronic Publishers, Inc. Burlington, New Jersey USA.

© Copyright 2003 Franklin Electronic Publishers Inc. © Copyright 2003 All Rights Reserved Proximity Technology A Division of Franklin Electronic Publishers, Inc. Burlington, New Jersey USA.

© Copyright 2004 Franklin Electronic Publishers, Inc. © Copyright 2004 All Rights Reserved Proximity Technology A Division of Franklin Electronic Publishers, Inc. Burlington, New Jersey USA.

© Copyright 1991 Dr.Lluis de Yzaguirre I Maura © Copyright 1991 All Rights Reserved Proximity Technology A Division of Franklin Electronic Publishers, Inc. Burlington, New Jersey USA.

© Copyright 1990 Munksgaard International Publishers Ltd. © Copyright 1990 All Rights Reserved Proximity Technology A Division of Franklin Electronic Publishers, Inc. Burlington, New Jersey USA.

© Copyright 1995 Van Dale Lexicografie bv © Copyright 1996 All Rights Reserved Proximity Technology A Division of Franklin Electronic Publishers, Inc. Burlington, New Jersey USA.

© Copyright 1990 IDE a.s. © Copyright 1990 All Rights Reserved Proximity Technology A Division of Franklin Electronic Publishers, Inc. Burlington, New Jersey USA.

© Copyright 2004 Franklin Electronics Publishers, Inc. © Copyright 2004 All Rights Reserved Proximity Technology A Division of Franklin Electronic Publishers, Inc. Burlington, New Jersey USA.

© Copyright 1992 Hachette/Franklin Electronic Publishers, Inc. © Copyright 2004 All Rights Reserved Proximity Technology A Division of Franklin Electronic Publishers, Inc. Burlington, New Jersey USA.

© Copyright 2004 Bertelsmann Lexikon Verlag © Copyright 2004 All Rights Reserved Proximity Technology A Division of Franklin Electronic Publishers, Inc. Burlington, New Jersey USA.

© Copyright 2004 MorphoLogic Inc. © Copyright 2004 All Rights Reserved Proximity Technology A Division of Franklin Electronic Publishers, Inc. Burlington, New Jersey USA.

© Copyright 1990 Williams Collins Sons & Co. Ltd. © Copyright 1990 All Rights Reserved Proximity Technology A Division of Franklin Electronic Publishers, Inc. Burlington, New Jersey USA. © Copyright 1993-95 Russicon Company Ltd.

© Copyright 1995 All Rights Reserved Proximity Technology A Division of Franklin Electronic Publishers, Inc. Burlington, New Jersey USA.

© Copyright 2004 IDE a.s. © Copyright 2004 All Rights Reserved Proximity Technology A Division of Franklin Electronic Publishers, Inc. Burlington, New Jersey USA.

Adobe Systems Incorporated, 345 Park Avenue, San Jose, California 95110, USA.

Notice to U.S. Government End Users. The Software and Documentation are "Commercial Items," as that term is defined at 48 C.F.R. §2.101, consisting of "Commercial Computer Software" and "Commercial Computer Software Documentation," as such terms are used in 48 C.F.R. §12.212 or 48 C.F.R. §227.7202, as applicable. Consistent with 48 C.F.R. §12.212 or 48 C.F.R. §§227.7202-1 through 227.7202-4, as applicable, the Commercial Computer Software and Commercial Computer Software Documentation are being licensed to U.S. Government end users (a) only as Commercial Items and (b) with only those rights as are granted to all other end users pursuant to the terms and conditions herein. Unpublished-rights reserved under the copyright laws of the United States. Adobe Systems Incorporated, 345 Park Avenue, San Jose, CA 95110-2704, USA. For U.S. Government End Users, Adobe agrees to comply with all applicable equal opportunity laws including, if appropriate, the provisions of Executive Order 11246, as amended, Section 402 of the Vietnam Era Veterans Readjustment Assistance Act of 1974 (38 USC 4212), and Section 503 of the Rehabilitation Act of 1973, as amended, and the regulations at 41 CFR Parts 60-1 through 60-60, 60-250, and 60-741. The affirmative action clause and regulations contained in the preceding sentence shall be incorporated by reference.

Contents

About This Document	5
Who should read this document?	5
Additional information.....	5
1 Before You Install	6
System prerequisites.....	6
Minimum hardware and software requirements	6
Supported platforms	6
Upgrading LiveCycle 7.x processes	7
Designer ES installation considerations	7
2 Installing LiveCycle Workbench ES	9
Installing and running Workbench ES	9
Enabling LiveCycle 7 processes for WebSphere Application Server	10
Installing LiveCycle 7.x QPACs	10
Installing the Workbench ES Eclipse feature	11
Configuring and logging in to a server	11
Configuring time-out settings	12
Configuring Workbench ES to connect over HTTPS.....	12
Uninstalling Workbench ES	13
3 Configuring LiveCycle ES XDC Editor	14

About This Document

This document provides instructions for installing and configuring Adobe® LiveCycle® Workbench ES 8.2. The installation program also installs Adobe LiveCycle Designer ES 8.2.

Who should read this document?

This document is intended for administrators or developers who are responsible for installing, configuring, administering, or deploying Workbench ES. The information provided is based on the assumption that anyone reading this document is familiar with Microsoft® Windows® operating systems.

Additional information

The resources in this table can help you learn more about and get started using Adobe LiveCycle ES (Enterprise Suite) Update 1.

For information about	See
Procedural information for Workbench ES	LiveCycle Workbench ES Help
General information about LiveCycle ES and how it integrates with other Adobe products	LiveCycle ES Overview
What's new in LiveCycle ES	What's New for LiveCycle ES
LiveCycle ES terminology	LiveCycle ES Glossary
Other LiveCycle ES solution components	Services for LiveCycle ES Solution Components
How to create your first LiveCycle ES application	Creating Your First LiveCycle ES Application
All the documentation available for LiveCycle ES	Adobe LiveCycle ES documentation
LiveCycle ES release information and last-minute changes that occur to the product	LiveCycle ES Release Notes
Other services and products that integrate with LiveCycle ES	www.adobe.com
Patch updates, technical notes, and additional information on this product version	LiveCycle Technical Support

1

Before You Install

LiveCycle Workbench ES is an integrated development environment (IDE) that developers and form authors use to create automated business processes and forms. It is also used to manage the resources and services that the processes and forms use.

System prerequisites

This section outlines the hardware and software requirements and supported platforms.

Minimum hardware and software requirements

Workbench ES

The following minimum requirements are recommended as the minimum:

- Disk space for installation: 500 MB (Workbench ES only), 1 GB (Workbench ES, Designer ES, and the samples assembly)
- System temp space during installation: 2.2 GB
- Memory for running Workbench ES: 1 GB
- Hardware requirement: Intel® Pentium® 4 or AMD equivalent, 1 GHz processor
- Minimum 1024 X 768 pixels or greater monitor resolution with 16-bit color or higher
- TCP/IP v4 network connection to the LiveCycle ES server

Designer ES

The following minimum requirements are necessary to take advantage of the latest Designer ES features.

- A minimum of Adobe Acrobat® 6.0.2 Professional, Acrobat 6.0.2 Standard, or Adobe Reader® 6.0.2. To benefit from the new features in Adobe LiveCycle Designer ES, you must have Acrobat 9 Pro Extended, Acrobat 9 Pro, Acrobat 9 Standard, or Adobe Reader 9.
- ActiveX® control for Adobe Flash® Player 9 or later (required for form guides).
- For Guide Builder to install and function correctly, you must ensure that .NET version 1.1 Service Pack 1 or higher is installed on the computer running LiveCycle Designer ES. .NET version 1.1 is available from the Designer ES installation wizard. You can download .Net 1.1 Service Pack 1 from www.microsoft.com.

Note: Multiple versions of .NET can exist concurrently on the same computer without overwriting each other.

- (Optional) Adobe Flex® Builder™ 3.0.1 or later, or Flex SDK 3.0.1 or later (required for customizing form guide components that are shipped with Designer ES)

Supported platforms

The following platforms are supported for Workbench ES.

Operating system	Architecture
Windows XP Professional (with Service Pack 2 and above)	32 bit
Windows XP Tablet PC (with Service Pack 2 and above)	32 bit
Windows 2003 Server® (with Service Pack 1 and above)	32 bit and 64 bit

Note: Workbench ES is an English-only application. However, you can install Workbench ES on English, French, German, and Japanese platforms.

Upgrading LiveCycle 7.x processes

The Workbench ES installation program lets you upgrade processes from LiveCycle 7.x. During the Workbench ES installation, if you select the option to upgrade LiveCycle 7.x processes, you must also select a target LiveCycle ES application server. If your target LiveCycle ES application server is IBM® WebSphere®, you need install the Java™ Runtime Environment (JRE). (See [“Enabling LiveCycle 7 processes for WebSphere Application Server” on page 10.](#))

Note: If you upgrade for one application server (for example, JBoss®) and later need to switch to a different one, such as WebSphere Application Server or BEA WebLogic Server®, you must uninstall Workbench ES and then reinstall it, selecting the new target application server.

Designer ES installation considerations

By default, the Workbench ES installation includes a corresponding English-only version of Designer ES. If the Workbench ES installation application detects an existing version of Designer ES on your computer, the installation may terminate and you will be required to remove the current version of Designer ES before you can continue.

Note: The version of Designer ES that is installed with Workbench ES is only available in English. If you have a localized version of Acrobat on your system, your Designer product will be replaced with the English version from LiveCycle ES.

The table below has a complete list of possible Designer ES installation scenarios that you may encounter, as well as any actions you must take, when installing Workbench ES.

Version of Designer ES currently installed	Required actions
Acrobat 9.0 Pro or Acrobat 9.0 Pro Extended (includes Designer ES 8.2)	<p>The Workbench ES installation detects an instance of Designer ES on your computer that was installed with either Acrobat Pro or Acrobat Pro Extended.</p> <p>To replace the Designer ES feature of Acrobat and use the Designer ES version included with Workbench ES, you must first uninstall the Designer ES feature of Acrobat and then begin the Workbench ES installation. (See To uninstall Designer ES (stand-alone):.)</p>
Designer ES 8.2 (stand-alone)	<p>None. The version of Designer ES included with Workbench ES is English-only. The Workbench ES installation will not install a version of Designer ES in order to preserve the stand-alone version that is already on your computer and to allow you to use your localized version of Designer ES within Workbench ES.</p> <p>To replace your current version of Designer ES with the English-only version included with Workbench ES, uninstall the existing version of Designer ES and then begin the Workbench ES installation. (See To uninstall Designer ES included with Acrobat Pro or Acrobat Pro Extended:.)</p>

► **To uninstall Designer ES (stand-alone):**

1. Select **Start > Settings > Control Panel > Add/Remove Programs**.
2. In the **Currently installed programs** list, select **Adobe LiveCycle Designer 8.2**.
3. Click **Remove** and then click **Yes**.

► **To uninstall Designer ES included with Acrobat Pro or Acrobat Pro Extended:**

1. Select **Start > Settings > Control Panel > Add/Remove Programs**.
2. In the **Currently installed programs** list, select **Adobe Acrobat 9.0 Pro** or **Adobe Acrobat 9.0 Pro Extended**.
3. Click **Change/Remove** and then click **Next**.
4. Select **Modify**, and then click **Next**.
5. Select **Adobe LiveCycle Designer 8**, select **This feature will not be available**, and then click **Next**.
6. Click **Update** and then click **Finish**.

2

Installing LiveCycle Workbench ES

This chapter describes how to install LiveCycle Workbench ES.

Before you install LiveCycle ES, you must ensure that your environment includes the software and hardware required to run it. (See [“Before You Install” on page 6.](#))

The Workbench ES installation program installs two applications:

- [“Installing and running Workbench ES” on page 9](#)
- [“Installing the Workbench ES Eclipse feature” on page 11](#)

Installing and running Workbench ES

This procedure explains how to install Workbench ES and also how to enable upgrading of LiveCycle 7.x processes if required. This procedure installs LiveCycle Designer ES, LiveCycle ES samples, and the Workbench ES Eclipse feature.

Note: If you select the Enable Workbench To View, Edit, And Upgrade LiveCycle 7 Processes option, you must also select a target LiveCycle ES application server. If you upgrade for one application server (for example, JBoss) and later need to switch to a different application server (for example, WebSphere or WebLogic), you must uninstall Workbench ES and then reinstall it, selecting the new target application server.

► To install and run Workbench ES:

1. Do one of these tasks:
 - Navigate to the \livecycle_workbench\8.2 folder and double-click the **LiveCycle_Workbench_8.2_Setup.exe** file to start the installation.
 - Download and decompress the LiveCycle ES Electronic Software Download (ESD) to your file system. After it is downloaded, navigate to the \livecycle_workbench\8.2 folder and double-click the **LiveCycle_Workbench_8.2_Setup.exe** file to start the installation.
2. On the Welcome screen, click **Next**.
3. (Optional) To configure Workbench ES so that it can upgrade LiveCycle 7.x processes, on the Process Upgrade Support screen, choose one of these options and click **Next**:
 - Select **Enable Workbench to View, Edit, and Upgrade LiveCycle 7 Processes**.
 - Select one of **JBoss**, **WebSphere**, or **WebLogic** as your target LiveCycle ES application server.
4. (Optional) Select **XDC plug in** to install the Adobe LiveCycle ES XDC Editor plug in, and then click **Next**.
5. Accept the default directory as listed, or click **Browse** and navigate to the directory where you will install Workbench ES, and then click **Next**.
6. In the **Serial Number** box, type the serial number, click **Add**, and then click **Next**.
7. Read the Product License Agreement, select **I accept the terms of the license agreement**, and then click **Next**.

8. Review the preinstallation summary and click **Install**. The installation program displays the progress of the installation.
9. Review the Release Notes and click **Next**.
10. Review the installation summary and click **Finish**.

The following items are now installed on your computer:

Workbench ES: To run Workbench ES from the **Start** menu, select **Programs > Adobe > Adobe LiveCycle Workbench ES**. For information about using Workbench ES, see *LiveCycle Workbench ES Help*.

Designer ES: You can access Designer ES from inside Workbench ES. For information about using Designer ES, see [LiveCycle Designer ES Help](#).

workbench-updatesite.zip: Follow the instructions in "[Installing the Workbench ES Eclipse feature](#)" on page 11.

LiveCycle SDK and SDK samples: You can access the LiveCycle ES SDK. For more information on using the SDK see [Programming with LiveCycle ES](#).

Note: If you are using a Windows XP Tablet PC, to ensure correct functionality when dragging files from the file system to the Repository view, right-click the Workbench ES executable, select Properties, and set the Compatibility mode to Windows 2000.

Enabling LiveCycle 7 processes for WebSphere Application Server

During the Workbench ES installation, if you selected the Enable Workbench To View, Edit and Upgrade LiveCycle 7 Processes option and your target application server is WebSphere, you need to perform the following additional steps:

1. Obtain the Application Client software for Windows from the following location:

```
http://www14.software.ibm.com/webapp/download/search.jsp?go=y&rs=was60_trial&S_TACT=105AGX28&S_CMP=DLMAIN
```

2. Install the Application Client software in the default directory:

```
C:\Program Files\IBM\WebSphere\AppClient
```

3. Obtain IBM JRE for Eclipse from the following location:

```
http://www.ibm.com/developerworks/java/jdk/eclipse
```

4. Install IBM JRE for Eclipse in the default directory:

```
C:\DownloadDirectory\
```

5. Start Workbench ES in a command line as follows (entered as a single line):

```
workbench.exe -vm C:/DownloadDirector/eclipseDevelopmentPackage/  
ibm_sdk50/jre/bin/java.exe
```

Installing LiveCycle 7.x QPACs

Processes created in LiveCycle Workflow 7.x are compatible with and can be run in the LiveCycle ES environment whether you upgraded from LiveCycle 7.x or installed and deployed a new version of

LiveCycle ES. To enable compatibility of LiveCycle 7.x processes running in a LiveCycle ES environment that has not been upgraded, you must perform the following actions:

- During configuration with LiveCycle Configuration Manager, select **Install the LiveCycle 7.x Compatibility Layer** on the Upgrade Selection screen, and complete the configuration and deployment for this task. (See “Configuring, upgrading to, and deploying LiveCycle ES” in the *Upgrading to LiveCycle ES from 8.0.x* document for your application server.)
- Select **Enable Workbench to View, Edit, and Upgrade LiveCycle 7 Processes** when you install Workbench ES. (See [LiveCycle Workbench ES Help](#), and navigate to Creating Processes > Upgrading processes > Upgrading custom QPACs > Deploying QPACs.)
- Deploy LiveCycle 7.x QPACs to Workbench ES.

Note: If you already installed and deployed LiveCycle ES but did not install the LiveCycle 7.x compatibility layer, you can add it by running LiveCycle Configuration Manager at any time. Select **Install the LiveCycle 7.x Compatibility Layer** on the Upgrade Selection screen, and then select the **Configure LiveCycle ES EARs** and **Deploy LiveCycle EARs** tasks on the Task Selection screen. You do not need to reinitialize the database or redeploy LiveCycle ES components.

If you selected the option to Enable Workbench To View, Edit, And Upgrade LiveCycle 7 Processes when you installed Workbench ES, the LiveCycle 7.x QPACs are located in the directory C:\Program Files\Adobe\LiveCycle ES\Workbench ES\Workbench\upgrade.

For information about LiveCycle 7.x QPAC compatibility, in *LiveCycle Workbench ES Help*, navigate to Creating Processes > Upgrading processes > About Support For LiveCycle 7.x QPACs.

Installing the Workbench ES Eclipse feature

After you install Workbench ES, you can optionally add the Workbench ES feature to Eclipse.

Download and install Eclipse 3.2.1 from www.eclipse.org/downloads/.

► To install and deploy the Workbench ES feature to Eclipse:

1. Start Eclipse.
2. Select **Help > Software Updates > Find and Install**, select **Search for new features to install**, and then click **Next**.
3. Click **New Archived site**, browse to the directory where the Workbench ES installation saved the plug-in ZIP file, select **workbench-updatesite.zip**, and then click **Open**.
4. Follow the instructions on the subsequent screens to deploy the Workbench ES feature to Eclipse.

Note: Ignore the message “Warning: You are about to install an unsigned feature,” and click **Install** to continue.

For information about the additional configuration of the Workbench ES, see [LiveCycle Workbench ES Help](#).

Configuring and logging in to a server

To use Workbench ES, you must have an instance of LiveCycle ES running, typically on a separate computer. You must have a user name and password to log in to LiveCycle ES, as well as details about the

location of the server. For information about connecting to a server, see “Logging in to a LiveCycle ES Server” in *LiveCycle Workbench ES Help*.

Note: If you configured LiveCycle ES to use the EMC Documentum or IBM FileNet repository provider and you want to log in to a repository other than the repository that is configured as the default in LiveCycle Administration Console, provide the user name as *username@Repository*.

Configuring time-out settings

By default, Workbench ES times out after two hours, regardless of activity or inactivity. To edit the time-out setting, follow this procedure.

► To configure the time-out setting:

1. Start LiveCycle Administration Console by typing `http://LiveCycleServerName:portnumber/adminui` in a web browser.
where *LiveCycleServerName* is the host name where LiveCycle ES server is installed and *port number* is configured. Default port numbers include these values:
 - The default port number for JBoss is 8080.
 - The default port number for WebLogic Server is 7001. (When you created a new managed server, you may have set a different port.)
 - The default port number for WebSphere is 9080.
2. Log in using the user name called *administrator* and the password called *password*.
3. In LiveCycle Administration Console, click **Settings** > **User Management** > **Configuration**.
4. Click **Import and export configuration files** and click **Export**.
5. Open the config.xml file in a text editor and edit the following line to change the value to one that meets your requirements:

```
<entry key="assertionValidityInMinutes" value="120" />
```
6. Save the file, click **Browse** to navigate to config.xml, and then click **Import**.

Configuring Workbench ES to connect over HTTPS

To connect Workbench ES to a LiveCycle ES server over HTTPS, you must ensure that the certificate authority (CA) that issued the public key will be recognized as being trusted by Workbench ES. If the certificate is not recognized as coming from a trusted source, you must update the cacert file located in the `[Workbench_HOME]/jre/lib/security` directory.

Note: `[Workbench_HOME]` represents the directory where you installed Workbench ES. The default location is `C:\Program Files\Adobe\LiveCycle ES\Workbench ES\Workbench`.

Ensure that you connect to HTTPS by using the name that is specified in the certificate. This name is typically the fully qualified host name.

► **To update the cacert file:**

1. Ensure that you have a copy of the Secure Sockets Layer (SSL) certificate. Either contact the administrator who configured the SSL server or export the certificate by using a web browser.

Tip: To export the certificate, open a web browser and log in to LiveCycle Administration Console, install the certificate in the browser, then export the certificate from the browser to a temporary storage location (or directly to the directory `[Workbench_HOME]/jre/lib/security`).

2. Copy the certificate to the `[Workbench_HOME]/jre/lib/security` directory.
3. Open a command prompt window, navigate to `[Workbench_HOME]/jre/bin`, and then type the following command:

```
keytool -import -storepass changeit -file ssl_cert_for_certname.cer  
-keystore cacerts -alias example
```

where:

- *changeit* is the default password to the cacerts keystore.
 - *certname* is the certificate you selected in step [1](#).
 - *example* is the alias you choose for the certificate. This value can be changed.
4. When prompted to trust the certificate, type **Yes** and hit the **Enter** key. The keytool proceeds to import the cacerts file in to the `[Workbench_HOME]/jre/lib/security` directory.

Uninstalling Workbench ES

In Windows, use the Add or Remove Programs function in the Control Panel to start the Uninstaller. Workbench ES and Designer ES have separate uninstall programs.

3

Configuring LiveCycle ES XDC Editor

Using the Adobe LiveCycle ES XDC Editor, network printer administrators can create and modify XML Forms Architecture Device Configuration (XDC) files. XDC files describe the capabilities of printers, such as the printer language or the correlation between paper size and tray location.

Before your network printer administrator uses the XDC Editor, relocate the sample XDC files and download *LiveCycle ES XDC Editor Help*.

Note: Before you complete these sections, ensure that you selected the Install The XDC Editor Plug-in option during your LiveCycle Workbench ES installation. If you did not select this option, you can rerun the installer. The plug-ins are installed to `\LiveCycle ES\Workbench ES\Workbench\xdceditor\plugins`.

► **To obtain the sample XDC files:**

1. On the LiveCycle ES server, locate the XDC folder in `[LiveCycleES root]\LiveCycle_ES_SDK\samples\Output\IVS`.
2. Copy the contents of this folder into a directory that is accessible from the Workbench ES or Eclipse system.

► **To obtain the XDC Editor Help:**

1. Go to the [LiveCycle ES documentation](#) website.
2. Click the **Develop** tab and navigate to *LiveCycle ES XDC Editor Help*. Download the `xdc_editor_help_web.zip` file and install the Help files by following the instructions provided in the Readme file.