



Adlib PDF OEM Installation Guide

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Installation Guide Overview

Adlib PDF is the next generation of Adlib transformation technology. Its design offers a high degree of flexibility for developing systems that provide scalability and high availability. An intuitive, interactive interface enables users to setup, configure, and troubleshoot systems which are easily configured to fulfill each user's unique requirements.

The Installation Guide provides a comprehensive list of the steps required to perform a complete Adlib PDF installation, uninstallation, and licensing of the product. Users can also choose to install and modify Adlib Components individually, according to business requirements.

This guide also contains a detailed list of all system prerequisites that must be available before installation.

Typographical Conventions

The following typographical conventions are used throughout this guide.

Item	Convention	Examples
Adlib elements	Teal, Title case	The Folder Connector integrates with file folders
Menu options & titles Push buttons Settings	Bold	Select Transformation Rules from the Settings menu. Click Save . Drag Active from the <i>Settings toolbox</i> .
Page elements and titles Window titles	Italics	Navigate to the <i>Edit</i> tab on the <i>Rule Set Editor</i> page. Drag Active from the <i>Settings toolbox</i> to the <i>work area</i> . Define attribute settings in the <i>Edit Attribute</i> window.
Script	Mono code	<code>\${Adlib.FolderConnector.InputFileExtension}</code>
URLs	Lowercase	http://www.adlibsoftware.com/
User-defined element	Enclosed in angle brackets	C:\Adlib\ <i><install folder></i>

Notes

Notes, cautions and tips are offered throughout the guide and are quickly identified with the following icons:



Provides informational notes relevant to the content.



Provides important cautionary notes relevant to the content.

TIP

Provides helpful tips and shortcuts.

Terminology

Detailed descriptions of terminology applicable to the Adlib product can be found in the Adlib PDF Glossary.

System Requirements

The following prerequisites must be available prior to a complete installation of Adlib PDF. If performing a custom installation, please refer to the [System Requirements by Component](#) section, as each Component can be installed individually and may have differing needs.

During the installation of Adlib PDF, the user can choose to install IIS-based or Self-hosted Services Components. Software requirements are listed for all installations, regardless of the Services mode chosen. If IIS-based Services are installed, additional prerequisites are required.




Please refer to [Software Requirements - Additional Requirements for IIS-Based Services](#) for more information.






Note: A recommended best practice for all Adlib servers is to ensure those servers are dedicated to Adlib processes. While running Adlib executables - particularly the Engine components - with other server processes such as those belonging to an ECM, non-Adlib web applications, etc. is supported, it has been known to adversely affect performance and stability.

Complete Adlib PDF Installation Requirements

Hardware Requirements

Component	Requirement
Processor Speed	Minimum: 1.6 GHz Recommended: 2.8 GHz or higher
Processing Cores	Minimum: Two cores
Memory (RAM)	Minimum: 1 GB Recommended: 4 GB or higher  Additional RAM should be added if processing large files or if running intensive applications in parallel with a Transformation Engine, or if a Network Load Balancing IIS Cluster with multiple System Manager Components is not being used.  4 GB of RAM is required if performing OCR operations.
Network	Minimum: 100 MB Recommended: 1 GB
Hard Disk Space	Minimum: 3.5 GB Recommended: See Storage Requirements Section  A dedicated file server or SAN that is fast and reliable is recommended for optimal performance.
All Hardware Components	Recommended: Increased performance can be gained by launching multiple Folder Connector and Job Management Service threads through multiple CPUs.



Storage Requirements




Component	Requirement
Database Disk Space Requirements (Data and Index)	<p>200 KB per successful job when logging in Info mode.</p> <hr/> <p> Unsuccessful jobs may retain additional information; the space requirements for this information is variable and may be up to 3-4x larger, depending on log level settings.</p> <hr/> <p>The following formula may be used to determine the minimum disk space required relative to the time elapsed between database clean-up procedures:</p> <p>200 KB * Average Number of Active Jobs in the Adlib System = Estimated Database Growth Per Day</p> <hr/> <p> Adlib PDF contains a Database Growth Management feature that purges certain database tables according to parameters such as database size or age of the records, depending on the type of database being utilized. For more information see the Database Growth Management Appendix.</p> <hr/>
Runtime File Share Disk Space Requirements	<p>The shared file system used for processing documents should have enough disk space to store all active documents and their renditions (plus a buffer for queued documents) for all Adlib Servers installed.</p> <p>This formula is recommended: Average Document File Size * 2.5 * Average Number of Jobs in the Adlib System = Estimated Minimum Disk Space for the file share</p> <p>For example, if the average document file size is 10 MB, and the average queue length is 100 jobs:</p> <p>10 MB * 2.5 * 100 documents in system = 2.5 GB minimum disk space</p> <hr/> <p> After a job has been processed by Adlib PDF, the documents can be automatically deleted from the shared file system.</p> <hr/>
Runtime Adlib Server Disk Space Requirements	<p>Each Adlib Server requires enough disk space to handle the largest document and its rendition</p>



Software Requirements

The following software prerequisites are required for all installations, regardless of the Services mode chosen (IIS-based or Self-hosted). For IIS-based Services installations, please refer to [Software Requirements - Additional Requirements for IIS-Based Services](#).


For Windows Server 2008 R2 / 2012

Component	Requirement
Licensed Fonts	Proper licenses must be obtained in order for the Transformation Engine to embed licensed fonts within PDF output.
Microsoft .NET Framework	.NET Framework 3.5 .NET Framework 4 .NET Framework 4.5 (Windows Server 2012 only)
Microsoft Visual C++	Visual C++ Redistributable Package 2010 (64-bit)
Microsoft Internet Explorer	Microsoft Internet Explorer 8.0 to 11.0  Internet Explorer 9.0 (32-bit) is supported for Windows Server 2008 R2 only.
Microsoft Silverlight	Microsoft Silverlight 4.0 (<i>or greater</i>)
Microsoft Office and/or Microsoft Office Compatibility Pack	System Manager requires MS Office and/or Office Compatibility Pack installed when utilizing processing rules that reference document properties for Office 2007/10 file formats.  Please see the Content Transformation Viewers and Supported File Types Appendix for information regarding the Microsoft Office applications that are supported with Adlib PDF.

Component	Requirement
Native Application Rendering	<p>For Native Application rendering support, the proper licenses must be obtained.</p> <p>These applications must be registered in compliance with the licensing guidelines specified for each product.</p> <p>Your organization is responsible to ensure that these Native Applications use complies with the rights and licenses obtained.</p> <p>Any Configuration/Initialization dialogs need to be acknowledged within each application before the Transformation Engine can utilize them. For example, many applications have dialogs where users must provide personal information (Title, Name, Company, etc.) before using the application.</p> <hr/> <p> Support is currently available for only the English versions of native applications. Alternative language versions of these applications are not officially supported at this time.</p> <hr/> <p>Please see the Content Transformation Viewers and Supported File Types Appendix for information regarding the native applications that are supported with Adlib PDF.</p>
Operating System	<p>Windows Server 2008 R2 SP1</p> <p>Windows Server 2012</p> <p>Windows Server 2012 R2</p> <hr/> <p> Users should ensure that Windows Error Reporting has been disabled and IIS 6 Management Capability has been installed prior to the Adlib PDF installation if using IIS rather than self-hosted services.</p> <hr/> <p> Support is currently available for only the English versions of Windows Server for use with Adlib PDF. Alternative language versions of these applications are not officially supported at this time.</p> <hr/>
TIFF Processing	<p>TIFF Processing and Convert to PDF/Image</p> <p>Horizontal lines may appear in TIFF output when using Windows Server 2008 R2. Install the following hotfix to resolve the issue:</p> <p>http://support.microsoft.com/kb/2459492</p> <p>If using 2008 R2 SP1 and the issue still occurs, install the hotfix.</p>




Component	Requirement
User Account Control Settings	<p>Turn off UAC for the user under which Adlib executables and services will be run.</p> <p> Please see Disabling UAC Settings for more information on modifying these settings in Windows Server 2008 R2 and 2012.</p>
Windows Print Spooler Services	<p>Windows Print Spooler Services must be running in order for the Transformation Engine to render content.</p>
XPS File Type Conversion	<p>The XPS Viewer feature must be installed in order to use the ConvertToXps.** Transformation Rule Settings to convert content to the XPS file type.</p> <p>Windows Server 2008: The Microsoft XML Paper Specifications Essentials Pack must be installed.</p> <p> If using MS Office 2007, the Save As XPS add-in must be installed, in addition to the XPS Viewer Feature.</p> <p>Windows Server 2012: The XPS Viewer is bundled as a feature on 2012. To install this feature, open Server Manager, click Add Roles or Features and follow the wizard to install the XPS Viewer Feature.</p>


For Windows Server 2012 (specific)

Component	Requirement
Internet Explorer Security Settings	<p>IE Enhanced Security Configuration must be disabled in order to view the Adlib Management Console once installation is complete.</p> <p> This prerequisite is required for Self-hosted Services installations only.</p>

Component	Requirement
Remote Desktop Settings	<p>If Adlib PDF is to be accessed by a user that is not part of the Local Administrators group, the Windows Server 2012 default Remote Desktop setting must be changed to “Allow connections from computers running any version of Remote Desktop”.</p> <p>For more information on this procedure or the Adlib PDF workaround, please see Granting Access for Users without Local Administrator Rights (Windows Server 2012 Only)</p>



Database

Component	Requirement
Database	<p>Microsoft SQL Server 2005</p> <p> _____ Named Pipes must be enabled in SQL Server 2005.</p> <hr/> <p>Microsoft SQL Server 2008 Microsoft SQL Server 2008 R2</p> <p> _____ If using Windows Server 2012, Service Pack 3 (SP3) must be installed with SQL Server 2008 R2.</p> <hr/> <p>Microsoft SQL Server 2012 Microsoft SQL Server 2014</p> <p> _____ Microsoft SQL Server Express 2008 R2 SP3 can be installed with Adlib PDF if desired.</p> <hr/>


Component	Requirement
Tablespace/schema and User Account	<p>A database tablespace/schema with a corresponding user account must be created prior to an Adlib PDF OEM installation.</p> <p>When creating the database, the following options must be used explicitly:</p> <pre>CREATE DATABASE [ADLIB_CTP OTHER_NAME] COLLATE SQL_Latin1_General_CP1_CI_[AI AS]</pre> <p>where:</p> <ul style="list-style-type: none"> Latin1_General = Default ordering for sorts CP1 = code page 1252 for non-Unicode data (Note: All Adlib string data types are Unicode) CI = case insensitive AI = accent insensitive -OR- AS = accent sensitive <p> The database instance must also be case insensitive.</p>

Software Requirements - Additional Requirements for IIS-Based Services

For Windows Server 2008 R2 (specific)

Component	Requirement
Microsoft .NET 3.5.1 Framework	<p>Features Required:</p> <ul style="list-style-type: none"> • HTTP Activation <p> HTTP Activation is located within the .NET Framework 3.5.1 WCF Activation Group.</p>
Web Server IIS	<p>Management Tools</p> <ul style="list-style-type: none"> • IIS 6 Management Compatibility • IIS 7.5 must be enabled <p> IIS 7.5 is included (<i>but not enabled</i>) by default on Windows Server 2008 R2.</p> <p>Common HTTP Features</p> <ul style="list-style-type: none"> • WebDAV 7.5 Publishing (IIS Web Publishing Extension Module) <p>Web Server</p> <ul style="list-style-type: none"> • Application Development <ul style="list-style-type: none"> • ASP.NET • Security <ul style="list-style-type: none"> • Windows Authentication

For Windows Server 2012 (specific)

Component	Requirement
Microsoft .NET 3.5 Framework	Features Required: <ul style="list-style-type: none">• HTTP Activation  <hr/> <p>.NET 3.5 Framework is included (<i>but not enabled</i>) by default on Windows Server 2012.</p> <hr/>
Microsoft .NET 4.5 Framework	Features Required: ASP.NET 4.5 <ul style="list-style-type: none">• WCF Services<ul style="list-style-type: none">• HTTP Activation
Web Server IIS	Management Tools <ul style="list-style-type: none">• IIS 6 Management Compatibility• IIS Management Scripts and Tools Common HTTP Features <ul style="list-style-type: none">• WebDAV Publishing Web Server <ul style="list-style-type: none">• Application Development<ul style="list-style-type: none">• ASP.NET 3.5• ASP.NET 4.5• Security<ul style="list-style-type: none">• Windows Authentication Application Server <ul style="list-style-type: none">• COM + Network Access

System Requirements by Component

When performing a custom installation, ensure that the following prerequisites are available according to the Adlib PDF Component being installed on the system.

Database

Hardware Requirements

Component	Requirement
Processor Speed Memory (RAM)	The hardware required to accommodate the desired operating size of the database.

Storage Requirements

Component	Requirement
Database Disk Space Requirements (Data and Index)	200 KB per successful job when logging in Info mode.



Unsuccessful jobs may retain additional information; the space requirements for this information is variable and may be up to 3-4x larger, depending on log level settings.





The following formula may be used to determine the minimum disk space required relative to the time elapsed between database clean-up procedures:

$$200 \text{ KB} * \text{Average Number of Active Jobs in the Adlib System} = \text{Estimated Database Growth Per Day}$$



Adlib PDF contains a Database Growth Management feature that purges certain database tables according to parameters such as database size or age of the records, depending on the type of database being utilized. For more information see the [Database Growth Management](#) Appendix.

Software Requirements

Component	Requirement
Database	<p>Microsoft SQL Server 2005</p> <p> Named Pipes must be enabled in SQL Server 2005.</p> <hr/> <p>Microsoft SQL Server 2008 Microsoft SQL Server 2008 R2</p> <p> If using Windows 2012, Service Pack 3 (SP3) must be installed with SQL Server 2008 R2.</p> <hr/> <p>Microsoft SQL Server 2012 Microsoft SQL Server 2014</p> <p> Microsoft SQL Server Express 2008 R2 SP3 can be installed with Adlib PDF if desired.</p> <hr/>
Microsoft .NET Framework	.NET Framework 3.5
Tablespace/schema and User Account	<p>A database tablespace/schema with a corresponding user account must be created prior to an Adlib PDF OEM installation.</p> <p>When creating the database, the following options must be used explicitly:</p> <pre>CREATE DATABASE [ADLIB_CTP OTHER_NAME] COLLATE SQL_Latin1_General_CP1_CI_[AI AS]</pre> <p>where:</p> <ul style="list-style-type: none">Latin1_General = Default ordering for sortsCP1 = code page 1252 for non-Unicode data(Note: All Adlib string data types are Unicode)CI = case insensitiveAI = accent insensitive <i>-OR-</i> AS = accent sensitive <p> The database instance must also be case insensitive.</p> <hr/>

Services

Hardware Requirements



Component	Requirement
Processor Speed	Minimum: The hardware required to run the Operating System on the machine. Recommended: Increased performance can be gained by launching multiple Job Management Service threads through multiple CPUs.
Memory (RAM)	
Hard Disk Space	

Software Requirements


The software requirements for the Services Components vary dependant on whether IIS-based or self-hosted Services are to be installed on the system.

IIS-Based Services Requirements


For Windows Server 2008 R2 (specific)

Component	Requirement
Microsoft .NET 3.5.1 Framework	Features Required: <ul style="list-style-type: none">• HTTP Activation  <hr/> <p>HTTP Activation is located within the .NET Framework 3.5.1 WCF Activation Group.</p> <hr/>
Web Server IIS	Management Tools <ul style="list-style-type: none">• IIS 6 Management Compatibility• IIS 7.5 must be enabled  <hr/> <p>IIS 7.5 is included (<i>but not enabled</i>) by default on Windows Server 2008 R2.</p> <hr/> <p>Common HTTP Features</p> <ul style="list-style-type: none">• WebDAV 7.5 Publishing (IIS Web Publishing Extension Module) Web Server <ul style="list-style-type: none">• Application Development<ul style="list-style-type: none">• ASP.NET• Security<ul style="list-style-type: none">• Windows Authentication <hr/>

For Windows Server 2012 (specific)


Component	Requirement
Microsoft .NET 3.5 Framework	Features Required: <ul style="list-style-type: none">• HTTP Activation  <hr/> <p>.NET 3.5 Framework is included (<i>but not enabled</i>) by default on Windows Server 2012.</p> <hr/>
Microsoft .NET 4.5 Framework	Features Required: ASP.NET 4.5 <ul style="list-style-type: none">• WCF Services<ul style="list-style-type: none">• HTTP Activation
Web Server IIS	Management Tools <ul style="list-style-type: none">• IIS 6 Management Compatibility• IIS Management Scripts and Tools Common HTTP Features <ul style="list-style-type: none">• WebDAV Publishing Web Server <ul style="list-style-type: none">• Application Development<ul style="list-style-type: none">• ASP.NET 3.5• ASP.NET 4.5• Security<ul style="list-style-type: none">• Windows Authentication
Internet Explorer Security Settings	IE Enhanced Security Configuration must be disabled in order to view the Adlib Management Console once installation is complete.
Remote Desktop Settings	If Adlib PDF is to be accessed by a user that is not part of the Local Administrators group, the Windows 2012 default Remote Desktop setting must be changed to “Allow connections from computers running any version of Remote Desktop”. For more information on this procedure or the Adlib PDF workaround, please see Granting Access for Users without Local Administrator Rights (Windows Server 2012 Only)

Web Browser User Interface

Component	Requirement
Microsoft Internet Explorer	Microsoft Internet Explorer 8.0 to 11.0  <hr/> <p>Internet Explorer 9.0 (32-bit) is supported for Windows Server 2008 R2 only.</p> <hr/>
Microsoft Silverlight	Microsoft Silverlight 4.0 (<i>or greater</i>)

Self-Hosted Services Requirements


For Windows Server 2008 R2 / 2012

Component	Requirement
Microsoft .NET Framework	.NET Framework 3.5 .NET Framework 4
User Account Control Settings	Turn off UAC for the user under which Adlib executables and services will be run.  Please see Disabling UAC Settings for more information on modifying these settings in Windows Server 2008 R2 and 2012.

For Windows Server 2012 (specific) Self-Hosted Services only

Component	Requirement
Internet Explorer Security Settings	IE Enhanced Security Configuration must be disabled in order to view the Adlib Management Console once installation is complete.
Remote Desktop Settings	If Adlib PDF is to be accessed by a user that is not part of the Local Administrators group, the Windows 2012 default Remote Desktop setting must be changed to “Allow connections from computers running any version of Remote Desktop”. For more information on this procedure or the Adlib PDF workaround, please see Granting Access for Users without Local Administrator Rights (Windows Server 2012 Only)

Web Browser User Interface


Component	Requirement
Microsoft Internet Explorer	Microsoft Internet Explorer 8.0 to 11.0  Internet Explorer 9.0 (32-bit) is supported for Windows Server 2008 R2 only.
Microsoft Silverlight	Microsoft Silverlight 4.0 (<i>or greater</i>)

System Manager

Hardware Requirements


Component	Requirement
Processor Speed	See General Requirements Section.
Memory (RAM)	See General Requirements Section.
Network	See General Requirements Section.
Hard Disk Space	Minimum: 1 GB

Software Requirements


Component	Requirement
Microsoft Office and/or Microsoft Office Compatibility Pack	<p>System Manager requires MS Office and/or Office Compatibility Pack installed when utilizing processing rules that reference document properties for Office 2007/10 file formats.</p> <p> Please see the Content Transformation Viewers and Supported File Types Appendix for information regarding the Microsoft Office applications that are supported with Adlib PDF.</p>
Microsoft .NET Framework	.NET Framework 3.5
User Account Control Settings	Turn off UAC for the user under which Adlib executables and services will be run.

Transformation Engine



Hardware Requirements


Component	Requirement
Processor Speed	see General Requirements Section
Memory (RAM)	see General Requirements Section  Additional RAM should be added if processing large files or if running resource intensive applications in parallel with the Transformation Engine
Hard Disk Space	see General Requirements Section

Storage Requirements

Component	Requirement
Disk Space Requirements	Minimum: 1 GB
Runtime File Share Disk Space Requirements	<p>The shared file system used for processing documents should have enough disk space to store all active documents and their renditions (plus a buffer for queued documents) for all Adlib Servers installed.</p> <p>This formula is recommended: Average Document File Size * 2.5 * Average Number of Jobs in the Adlib System = Estimated Minimum Disk Space for the file share</p> <p>For example, if the average document file size is 10 MB, and the average queue length is 100 jobs:</p> <p>10 MB * 2.5 * 100 documents in system = 2.5 GB minimum disk space</p>  After a job has been processed by Adlib, the documents can be automatically deleted from the shared file system.
Runtime Adlib Server Disk Space Requirements	Each Adlib Server requires enough disk space to handle the largest document and its rendition

Software Requirements

Component	Requirement
Microsoft Internet Explorer	<p>Microsoft Internet Explorer 8.0 to 11.0</p> <p> Internet Explorer 9.0 (32-bit) is supported for Windows Server 2008 R2 only.</p>
Native Application Rendering	<p>For Native Application rendering support, the proper licenses must be obtained.</p> <p>These applications must be registered in compliance with the licensing guidelines specified for each product.</p> <p>Your organization is responsible to ensure that these Native Applications use complies with the rights and licenses obtained.</p> <p>Any Configuration/Initialization dialogs need to be acknowledged within each application before the Transformation Engine can utilize them. For example, many applications have dialogs where users must provide personal information (Title, Name, Company, etc.) before using the application.</p> <p> Support is currently available for only the English versions of native applications. Alternative language versions of these applications are not officially supported at this time.</p> <p>Please see the Content Transformation Viewers and Supported File Types Appendix for information regarding the native applications that are supported with Adlib PDF.</p>
Licensed Fonts	<p>Proper licenses must be obtained in order for the Transformation Engine to embed licensed fonts within PDF output.</p>
Microsoft .NET Framework	<p>.NET Framework 3.5</p> <p>.NET Framework 4</p>
Microsoft Visual C++	<p>Visual C++ Redistributable Package 2010 (64-bit)</p>
TIFF Processing	<p>TIFF Processing and Convert to PDF/Image</p> <p>Horizontal lines may appear in TIFF output when using Windows Server 2008 R2. Install the following hotfix to resolve the issue:</p> <p>http://support.microsoft.com/kb/2459492</p> <p>If using 2008 R2 SP1 and the issue still occurs, install the hotfix.</p>

Component	Requirement
User Account Control Settings	<p data-bbox="675 247 1421 310">Turn off UAC for the user under which Adlib executables and services will be run.</p> <p data-bbox="675 321 1421 472"> Please see Disabling UAC Settings for more information on modifying these settings in Windows Server 2008 R2 and 2012.</p>
Windows Print Spooler Services	Windows Print Spooler Services must be running in order for the Transformation Engine to render content.

Installation Instructions

Overview

Adlib PDF, including all the associated components, can be installed on a single server by performing a Complete Installation. Using a Custom installation, the user can install selected components on multiple servers. For more information on configuring a multi-server deployment of Adlib PDF, [Contact Adlib](#).

Adlib Knowledge Base

Additional product information can also be found in the Knowledge Base on the [Adlib Customer Portal](#). Visit www.adlibsoftware.com and click the **Portal Login** link at the top of the page to access the portal.

Upgrading

Direct upgrades are supported from Adlib PDF version 5.x only. The upgrade must be performed under an Administrator account that is not used by the Adlib Process Manager; alternatively, this account may be used if the Process Manager service is stopped before proceeding with the upgrade.

Any Components that are not supported by the new version of Adlib PDF will not initialize after the upgrade. A warning message will give users the option to cancel the upgrade before any system changes are made so that users can ensure that the necessary installation executables (e.g. for each Connector) have been obtained before proceeding with the main system upgrade. In the case of a multi-server system, the warning will be generated only when upgrading the database server.

See the table below to determine the minimum version of each Component required to run Adlib PDF 5.3:

Component Name	Minimum Version
Services	5.3.0.0
Job Management Service	5.3.0.0
System Manager	5.3.0.0
Transformation Engine (new Engine Host)	5.3.0.0
Transformation Engine	5.3.0.0
Process Manager	5.3.0.0
Generic Connector	No limitation

When upgrading in a multi-server environment, the following order must be followed using the Custom option of installation:

1. Upgrade the database server.
2. Upgrade the **Services** Component on all applicable machines. If upgrading from IIS-based to Self-hosted Services, see [page 41](#) for detailed instructions on this procedure.
3. Upgrade all other Components.

4. All Connectors other than the Folder and Generic Connectors must be uninstalled and reinstalled.
5. Manual configurations will be retained and do not need to be reconfigured.

Prepare for Initial Installation

To install Adlib PDF you must be logged into the system with an account that has Local Administrator rights.



After installation is complete, a configuration change is required if users without local Administrator rights are to be granted access to the system. Please see [Granting Access for Users without Local Administrator Rights \(Windows Server 2012 Only\)](#) for more information on this procedure. Note: this applies to Windows Server 2012 users only.

Ensure that the necessary system requirements are available, including a database tablespace/schema with a corresponding user account. (See [System Requirements](#) for more details on installation prerequisites and the database creation options that are required).

SQL Server Setup

1. Create a new SQL Server database named ADLIB_PDF (or a preferred naming convention). This database must NOT be case sensitive.
2. Create an SQL user and ensure this user has database access to the newly created database.
3. Document the name of the SQL server including Instance name, SQL user credentials and database name for use during the Adlib software install.

Domain Controllers

1. SQL Server Express cannot be installed by Adlib PDF on a domain controller because of a database service account conflict.
2. In order for a SQL Server Express database to be used, it must be installed manually before the installation of Adlib PDF and an alternate account must be used as the SQL Server service account. This account cannot be a local service or network service account.

Using Windows Authentication for SQL Server

1. If desired, Windows authentication for SQL Server can be used by selecting a checkbox on the SQL Server Database Settings window during the Adlib PDF installation procedure. Before beginning, the user that will be performing the installation must be added to the list of users in the database and given sysadmin privileges:
 - a) Instance -> Security -> Logins -> Right-click New Login or Edit Existing.
 - b) Server Roles -> Click Sysadmin
2. Repeat the steps above to give sysadmin privileges to NT_AUTHORITY\SYSTEM and NT_AUTHORITY\NETWORK SERVICE.
3. If Adlib PDF will be installed across multiple servers, the remote machines must also be added to the list of users with sysadmin privileges. An example of the query is as follows:

```
CREATE LOGIN [ADLIBSYS\[MACHINE_NAME_REPLACE] $] FROM WINDOWS
```

```
GO
EXEC sp_addsrvrolemember 'ADLIBSYS\[MACHINE_NAME_REPLACE]$', 'sysadmin';
GO
```

Adlib Active Directory Service Account User

1. Create an account in the Active Directory that will be dedicated as the ADLIB service account used during the Adlib PDF install.
2. Ensure this account has access to any remote shares if the **Folder Connector** Component will be installed.
3. Ensure that this account is a local administrator for any virtual image servers dedicating to Adlib.

Disable Windows Error Reporting (WER)

1. Disable Windows Error Reporting pop-ups so that job processing will not be interrupted for lack of a user response. The following registry change should be made for any user account running Adlib processes and services:

```
REG ADD "HKCU\Software\Microsoft\Windows\Windows Error Reporting" /v DontShowUI /t
REG_DWORD /d 1 /f
```

Alternatively, the HKLM command can be used to make changes for all users on the machine.

Install the Necessary Prerequisites

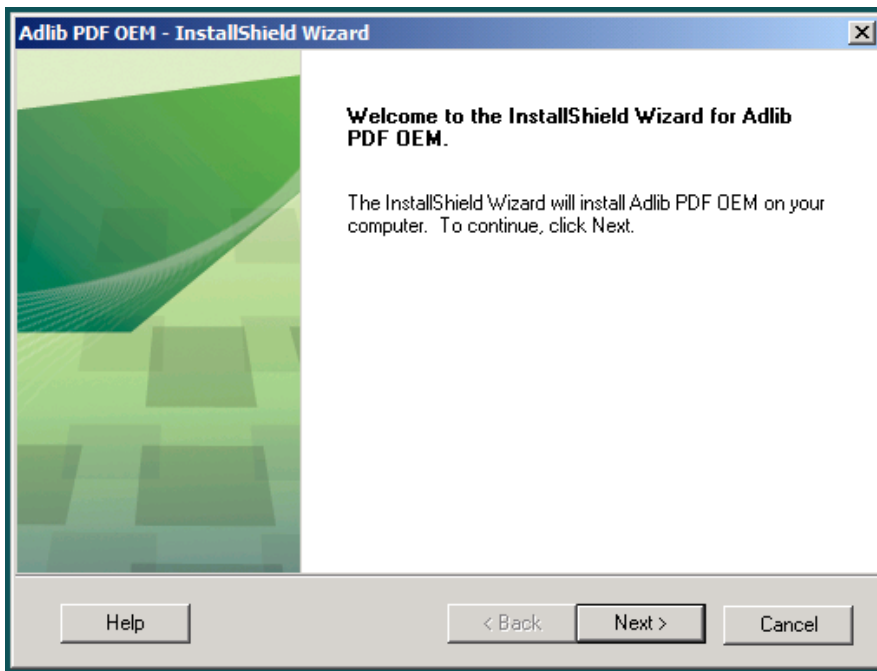
1. Ensure that Windows UAC is turned off for the install. See [Disabling UAC Settings](#) for more information.
2. If IIS-based Services will be installed, ensure that IIS is installed and that WebDAV IIS compatibility is enabled. If self-hosted Services will be installed, this requirement is not necessary.
3. Ensure that RDP is enabled on the server. For Windows Server 2012 users, if Adlib PDF is to be accessed by a user other than the local Administrator, the Windows default Remote Desktop setting must be changed to "Allow connections from computers running any version of Remote Desktop" For more information on this procedure, or the Adlib PDF workaround for this issue, please see [Granting Access for Users without Local Administrator Rights \(Windows Server 2012 Only\)](#).
4. Ensure that .NET 3.5 is installed via Server Manager and that HTTP Activation is turned on (HTTP Activation is only required if IIS-based Services will be installed).
5. Download and install .NET 4.0, if necessary. Windows Server 2012 also require .NET 4.5.
6. Review the [System Requirements](#) chapter for any additional prerequisites required for the Components that will be installed.

Installation Instructions

↓ To Install Adlib PDF:

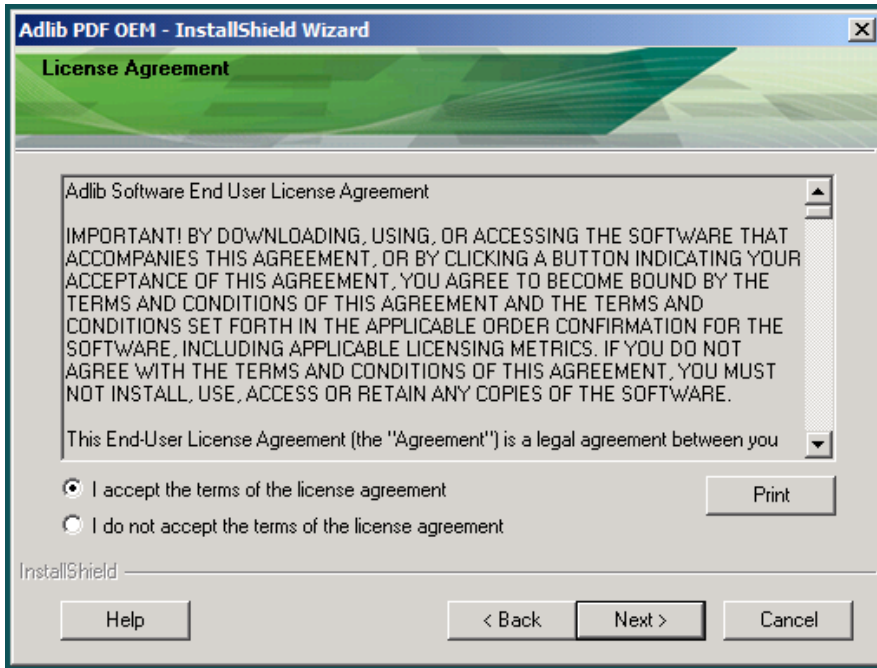
1. Close all applications.
2. Run the Adlib PDF 32- or 64-bit installation file.
3. In the *Adlib-Installation Wizard* window, click **Next**.

Figure 1 - Adlib-Installation Wizard



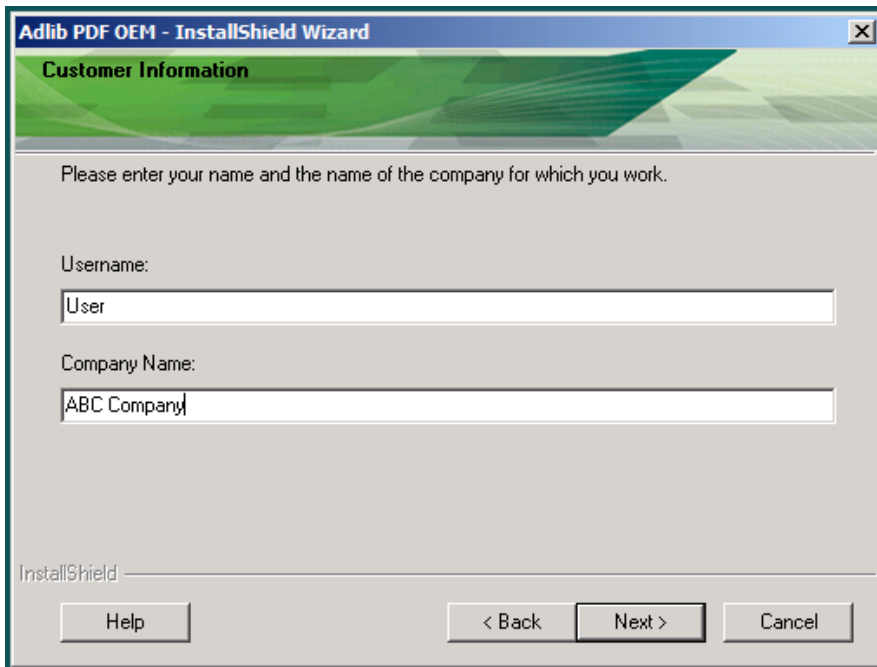
4. In the *License Agreement* window, accept the **End-User License Agreement** terms.

Figure 2 - License Agreement Window



5. In the *Customer Information* window, type the **Username** and **Company Name** and click **Next**.

Figure 3 - Customer Information Window

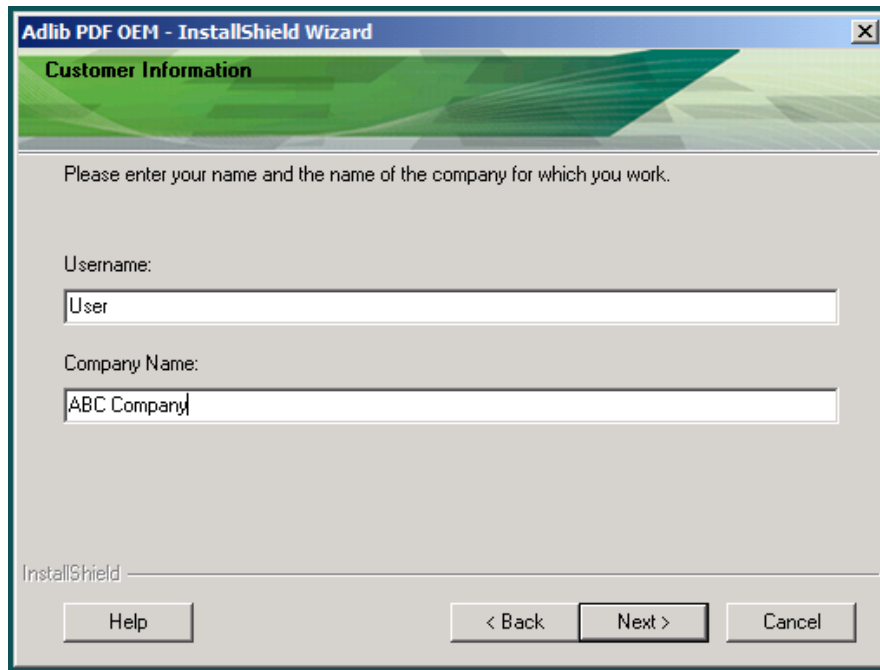


6. In the *Setup Type* window, select **Typical** to begin a complete installation of all components of the Adlib system.

Or,

7. Select **Custom** to begin an installation of the components of your choice.
8. If desired, click **Browse...** and select an alternate **Installation Folder** for the installation.
9. Click **Next**.

Figure 4 - Setup Type Window



The specified installation folder will be checked to ensure that the user NETWORK SERVICE has the required permissions to allow IIS to access the web.config in the install folder. If the proper permissions have not been set, a pop-up dialog will provide the following options:

Yes: The install will attempt to change the permissions. If it fails to set permissions, the installation will fail. If successful, the install will continue.

No: The install will not attempt to change permissions if not set. The user will be prompted to select a different installation path.

Ignore: The installer will check for permissions, and note in install log if required permissions are not set. The installation will continue.



If any system prerequisites are not available, a pop-up window will be displayed listing the missing requirements.

10. If a **Custom** installation was specified, select the components you wish to install in the *Select Features* window. The disk space required/available for the selected components will be displayed. The following options are available:

Database Scripts: The scripts and support files required to create the Adlib System Database.

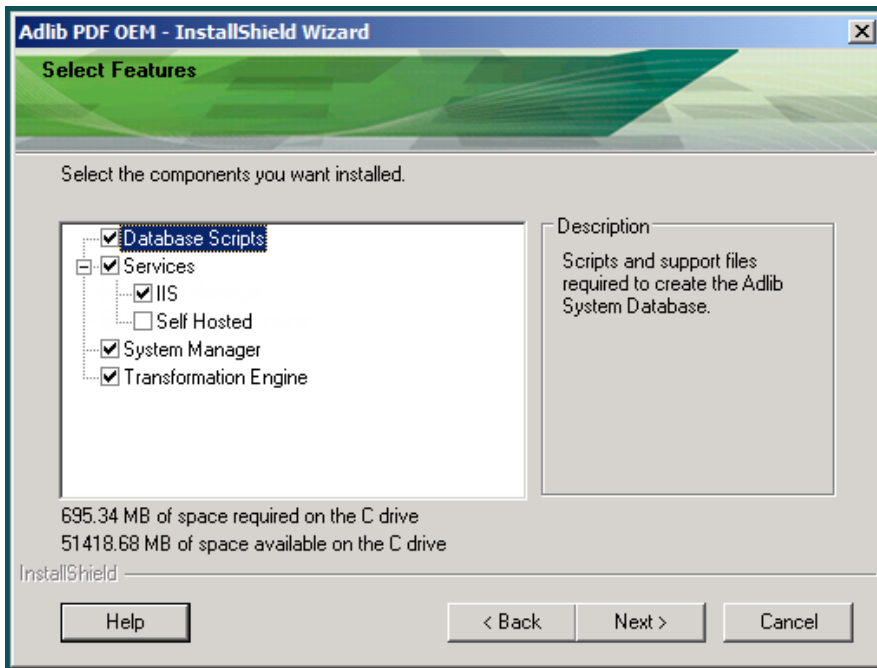
Services: The Job Management Service. Select IIS or Self-Hosted. If **IIS** is selected, the Job Management Console will be deployed inside IIS. If **Self-Hosted** is selected, these services will be deployed within an Adlib created web server.

System Manager: The component that manages jobs and monitors all Adlib System components. System Manager also prepares each job by executing the appropriate rule sets and issues alerts to the system administrator.

Transformation Engine: The component that performs file transformations.

For further instructions on a Custom installation, please refer to the steps below that are applicable to the components you wish to install. During a Complete installation several system defaults are created that must be replicated manually after a Custom installation before Adlib PDF will be operational. For a description of these procedures, see [Manual System Configurations](#).

Figure 5 - Select Features Window



The Adlib **Database Scripts Component**, which registers a schema to the database platform, must be installed only once even if other components are installed on multiple servers.

11. In the *Management Console Login Settings* window, type the **Password** to be associated with the sysadmin **Username**. These credentials will be used to register Components rather than to login to the Adlib Management Console.
12. Enter the **Email Address** at which you wish to receive system notifications and click **Next**.
Note: Email notification is not available with Adlib PDF OEM.



The **Username** for these administrator-level credentials is predefined as “sysadmin”.

Figure 6 - Management Console Login Settings

The screenshot shows a window titled "Adlib PDF OEM - InstallShield Wizard" with a sub-header "Management Console Login Settings". The window contains the following text and fields:

Specify the password that you will use to log in to the Adlib Management Console.

Username:

Password:

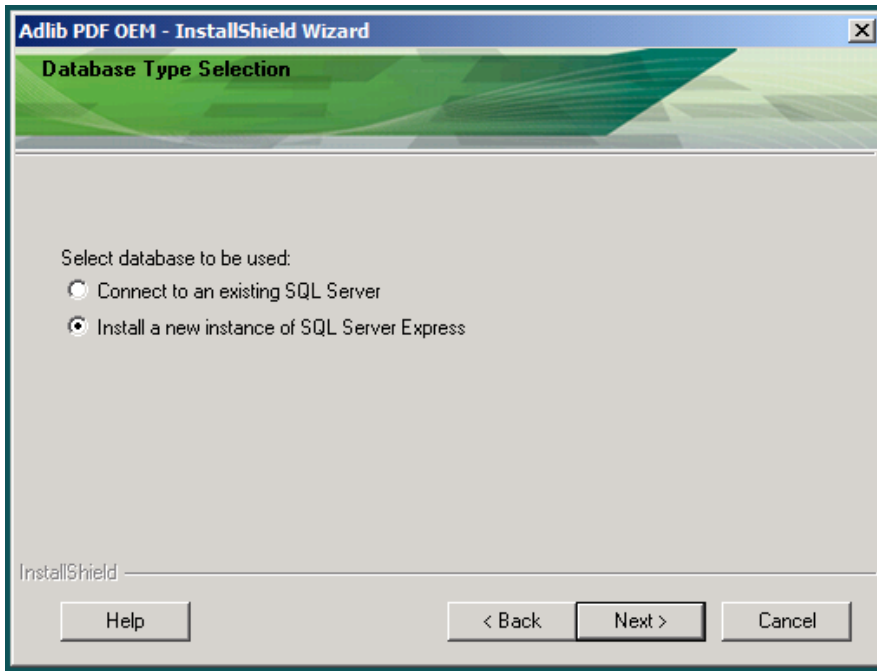
Confirm Password:

Email Address:
(required for system notifications)

At the bottom, there is a "Help" button, a "< Back" button, a "Next >" button, and a "Cancel" button. The "InstallShield" logo is visible in the bottom left corner.

13. Select either **Connect to an existing SQL Server** or **Install a new instance of SQL Server Express** in the *Database Type Selection* window.

Figure 7 - Database Type Selection Window



14. If **Connect to an existing SQL Server** was selected, enter or modify the default values for the following fields in the *SQL Server Database Settings* window and click **Next**:

Database Name: Any alias for the name of the database to be used by Adlib PDF.

Server Name: The machine name where the database is located. This must be an externally visible/resolvable name.

Username/Password: The credentials of a database user with read/write privileges. These credentials will be used to register components and to make calls to the database.

Use Windows Authentication: Check the box to set the authentication for SQL Server to Windows Authentication. The user performing the installation, as well as the NT_AUTHORITY\SYSTEM and NT_AUTHORITY\NETWORK SERVICE must have sysadmin privileges in the database. For more information, see [Using Windows Authentication for SQL Server](#).



When performing an Adlib PDF for SQL Server installation, the database tablespace/schema with a corresponding user account must be available prior to the installation of the Adlib system.

The information provided in the *Database Settings* window will be used to verify a connection to the database before the remainder of the installation can proceed.

Figure 8 - SQL Server Database Settings Window

Adlib PDF OEM - InstallShield Wizard

SQL Server Database Settings

Note: The database and database user must exist prior to installation (see Adlib Installation Guide for details).

Database Name: ADLIB_PDF

Server Name:

Username:

Password:

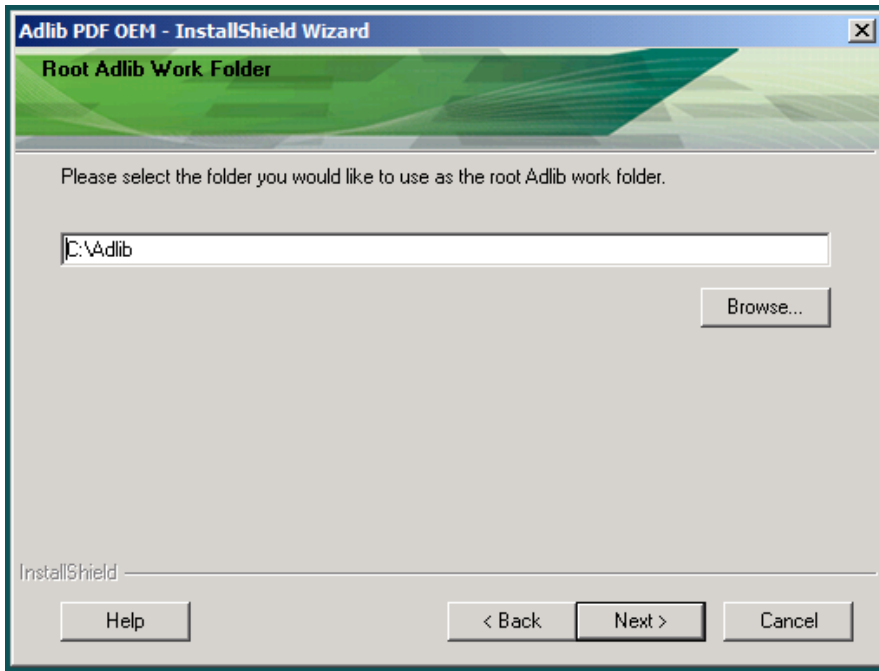
Use Windows Authentication

InstallShield

Help < Back Next > Cancel

15. If desired, modify the default path in the *Root Adlib Work Folder* window. This is the location where the working folders will be created as necessary for the components being installed.

Figure 9 - Root Adlib Work Folder



16. In the *Windows Credentials* window, type the **Account** and **Password** under which the Adlib executables and services will run. These must be the credentials of a Windows user with local administrator privileges. The **Account** name must be in the local admin\username or domain\username format. For example:

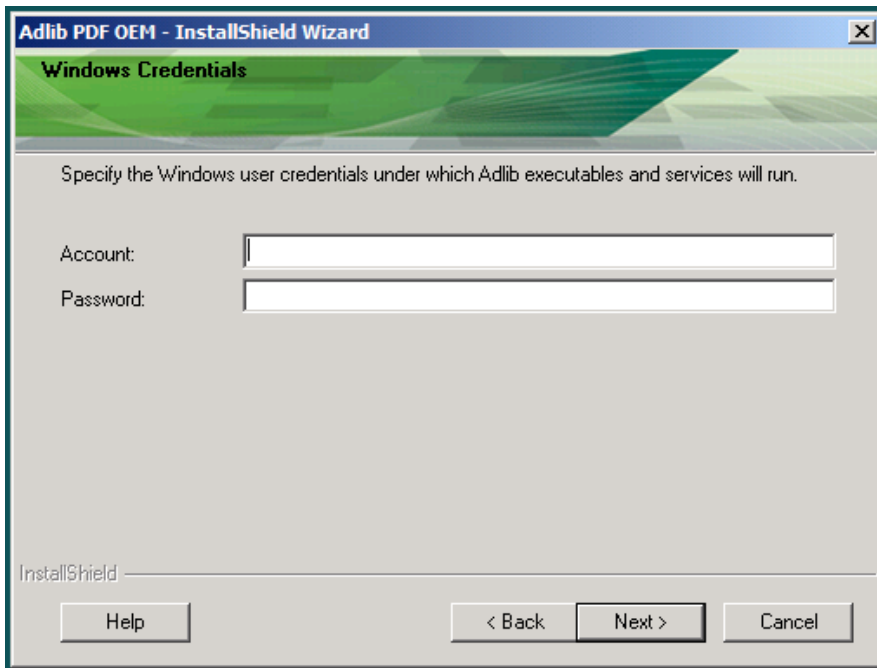
Local admin\username format: .\Administrator

Domain\username format: mydomain\adlibuser



User Account Control security settings must be turned off for this Windows user before the installation of Adlib PDF.

Figure 10 - Windows Credentials Window



17. The version of the *Service Settings* window that is displayed is dependant on the Services mode chosen by the user.

If **Self-Hosted Services** was selected, enter or modify the default values for the following fields:



If Adlib PDF Services are installed on multiple servers, only one type of Services Mode can be utilized across the system.

Services/Job Management Service Port Numbers: The port numbers to be used by the web Services and Job Management Service to access Adlib PDF. Defaults are provided during installation, but these can be modified if necessary. The port numbers will be validated before the next step in the installation.

The **Job Folder** is the target folder for Connectors to communicate files with the Services:

Create a local Job Folder: A shared path will be created for use by the System Manager to communicate files to Adlib PDF.

Or,

Use Existing Job Folder: Select this option if you are configuring a clustered environment. The user will not be asked to specify the folder path after the first Services installation as only a single path can be used.



If the **Use Existing Job Folder** option is selected, the File Repository UNC Path and File Repository Web Server Path must be specified in the Job Management Service System Settings, using the Adlib Management Console. For more information on modifying System Settings, see the Adlib PDF Technical Reference Guide.



When installing Adlib PDF in a multi-server environment, select **Create a local Job Folder** on the first Services installation and chose **Use Existing Job Folder** on any subsequent Services installations, as only a single path can be configured regardless of the number of Services that have been installed.

Figure 11 - Self-Hosted Services Settings

The screenshot shows the 'Service Settings' window of the 'Adlib PDF OEM - InstallShield Wizard'. The window has a blue title bar and a green header. It contains the following fields and options:

- Services Port Number:** A text box containing '51050'.
- Job Management Service Port Number:** A text box containing '51051'.
- IIS Authentication Settings:**
 - Account:** An empty text box.
 - Password:** An empty text box.
- System Manager Job Folder:**
 - Create a local Job Folder.** A shared path required by System Manager will be created.
 - Use existing Job Folder (Advanced)**

At the bottom, there is a 'Help' button, a '< Back' button, a 'Next >' button, and a 'Cancel' button. The 'InstallShield' logo is visible in the bottom left corner.

OR, if the web Services and Job Management Services are to be hosted by IIS, complete the following fields:

IIS Port Number: The port number for the user console connection to the Adlib website.

IIS Authentication Settings Account/Password: The credentials of a user with the right to create Internet Information Services Settings, using the domain\username format.

Create a local Job Folder: An IIS virtual directory and a shared path will be created for use by the System Manager.

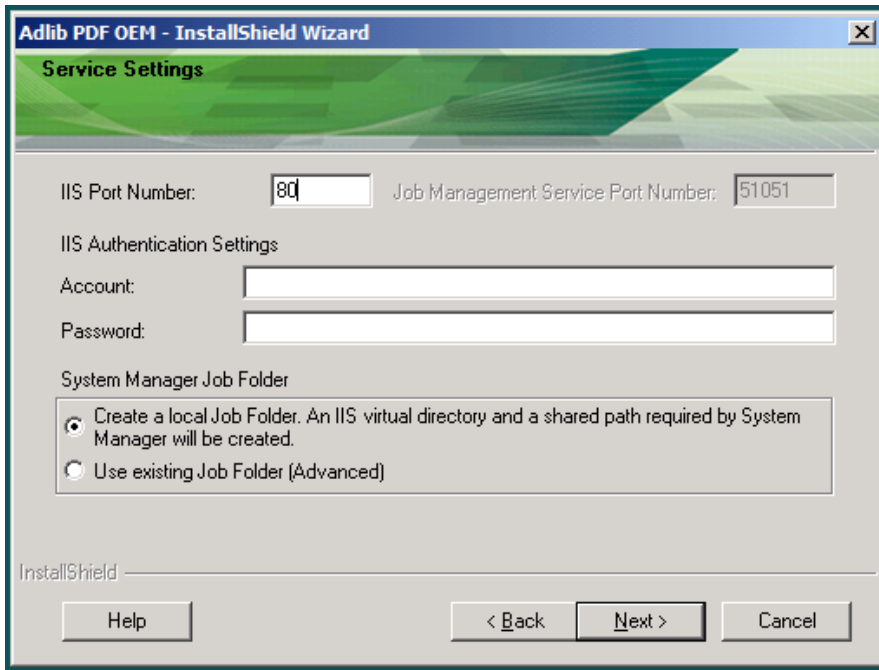
Or,

Use Existing Job Folder: Select this option if you are configuring a clustered environment.



If the **Use Existing Job Folder** option is selected, the File Repository UNC Path and File Repository Web Server Path must be specified in the Job Management Service System Settings, using the Adlib Management Console. For more information on modifying System Settings, see the Adlib PDF User Guide.

Figure 12 - IIS Service Settings Window



18. During a custom installation, if a **Transformation Engine** Component is being installed on an alternate server, additional information is required in order for that server to access the **Services** Components:

In the *Management Console Login Settings* window, enter the **Password** created for the SA Username and select the appropriate **Services Mode**.

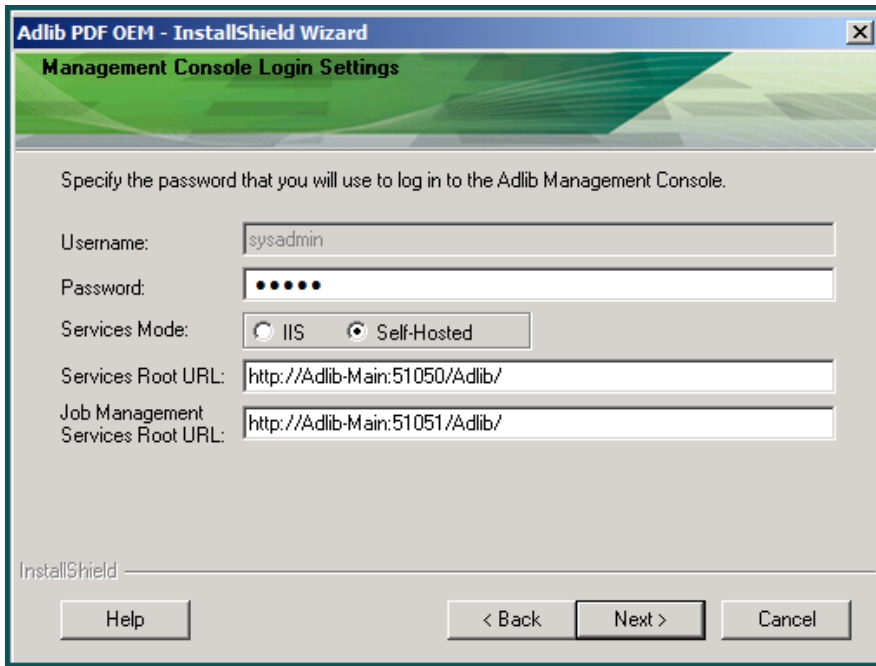
Services/Job Management Service Root URLs: To enable the **Services** Components to connect to the main Adlib PDF installation, the full URLs must be specified with the main Adlib PDF server name and the web and Job Management Services port numbers in the following manner:

http://<server_name>:port number/Adlib/



The Job Management Service Root URL is required for a Self-Hosted Services installation only.

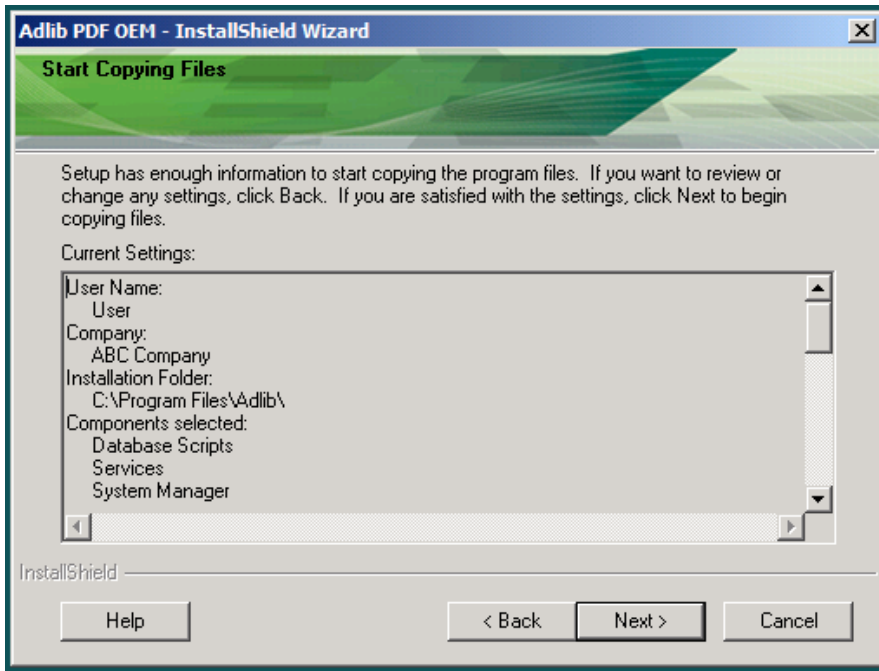
Figure 13 - Management Console Login Settings Window



19. In the *Start Copying Files* window, review the list of components that will be installed. If any changes are required, click **Back** to make changes.

20. Click **Next** to begin copying the program files. The software will install using the settings defined during the installation process.

Figure 14 - Start Copying Files Window



21. In the *InstallShield Wizard Complete* window, select the appropriate checkbox if you wish to view the Installation Log and or launch the License Manager and click **Finish**.

The Installation Log is stored in the Windows temp folder. To access the Installation Log, ensure you are logged in as the user who performed the installation and navigate to the temp folder in Windows Explorer using the following syntax:

%temp%

The following command-line switch can be used to set the Installation Log path:

/verbose"C:\LogPath\Logfilename.txt"

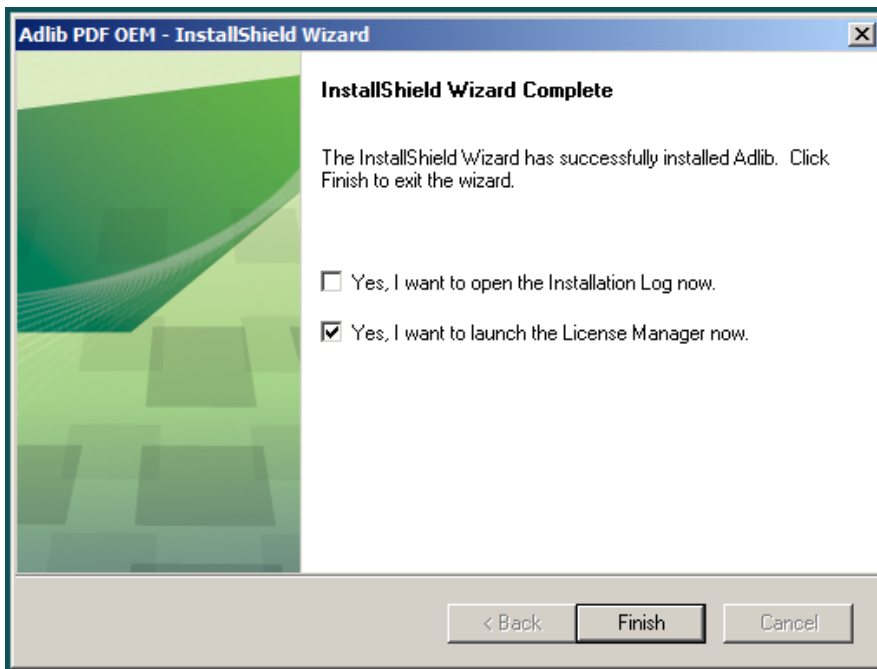
Note: There should be no space between verbose and ".

For more information on activating a license for Adlib PDF, see [License Manager Instructions](#).



The License Manager link will appear only when a Complete installation has been performed, or when the Transformation Engine has been installed.

Figure 15 - InstallShield Wizard Complete Window



The Transformation Engine must be activated in either evaluation mode or with a license key before jobs can be processed.

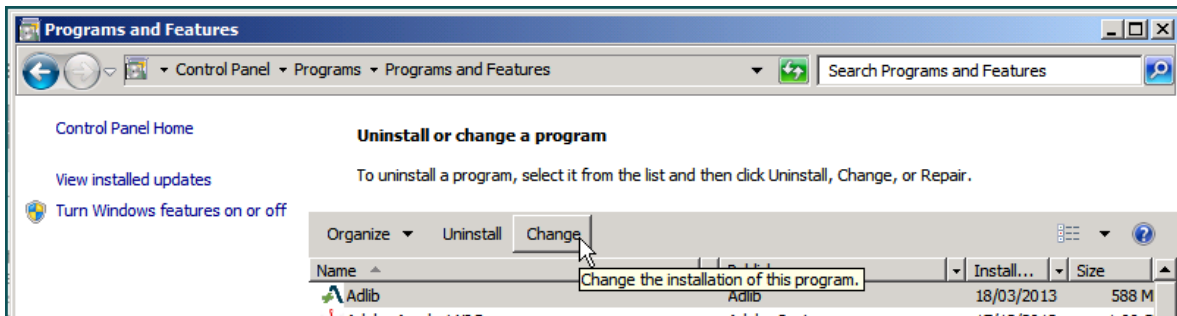
Once Adlib PDF has been licensed, the **Process Manager Service** must be started (on each server in a multi-server installation) using Windows Services before the **Transformation Engine** will be operational.

Upgrading from IIS-Based Services to Self-Hosted Services

When upgrading from an existing Adlib PDF system that uses IIS-based Services to a self-hosted Services configuration, the following procedure must be followed:

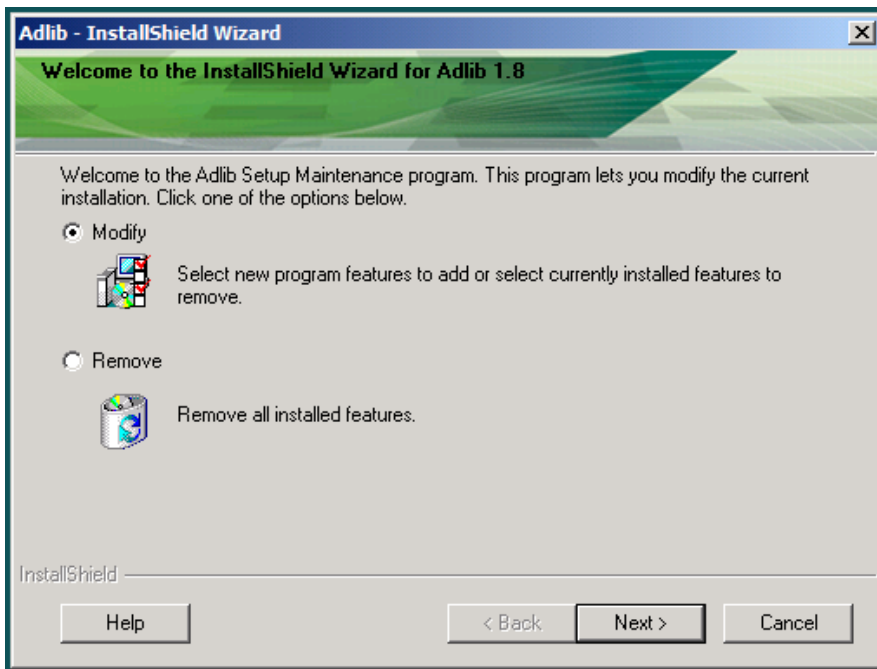
1. Install the Adlib PDF upgrade. Do NOT change the IIS-based Services defaults (e.g. Services Mode or Port Number).
2. Using Windows Programs and Features, modify/change the Adlib PDF installation.

Figure 16 - Change Adlib PDF Installation



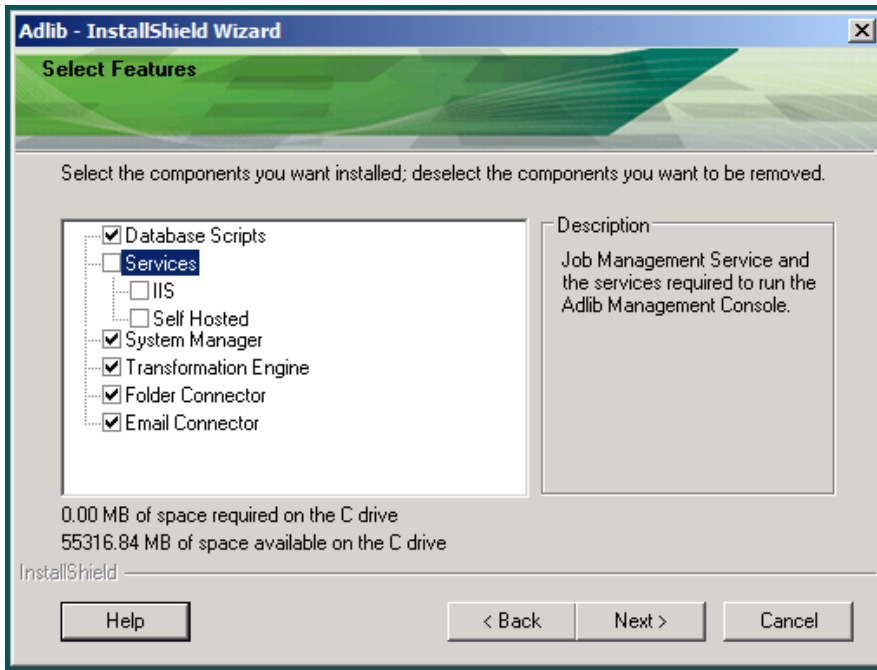
3. Select **Modify** in the *Adlib Setup Maintenance* window.

Figure 17 - Adlib Setup Maintenance Window



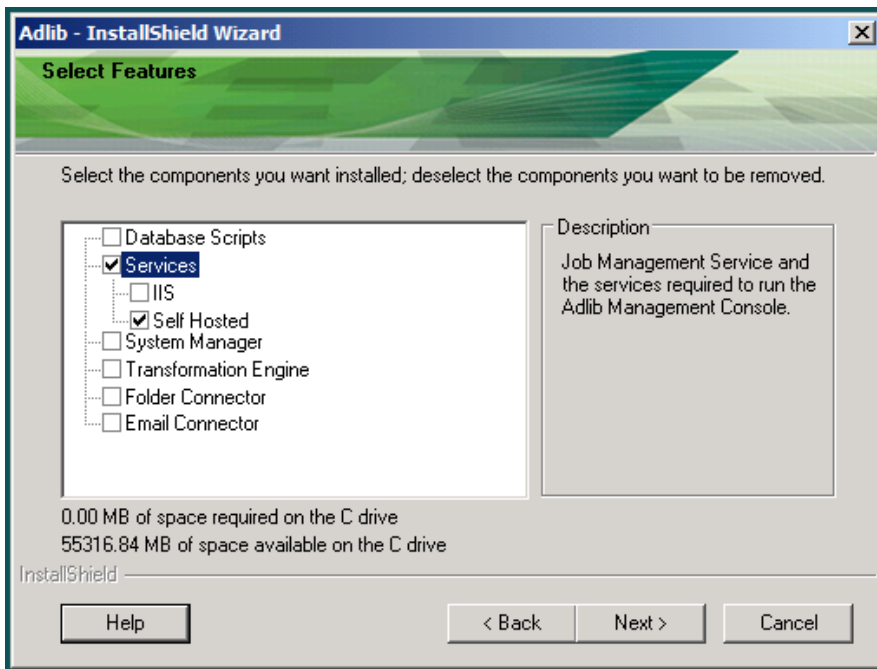
4. Deselect the **Services** checkbox to uninstall the IIS-based **Services** Component only. Leave all the other Components checked or they will also be removed.

Figure 18 - Uninstall Services



5. The Adlib PDF X.X installation .exe file must now be run again to install the Self-hosted Services. Choose a Custom Installation select only **Self-Hosted Services** in the *Select Features* window.

Figure 19 - Select Features Window - Install only Services



6. In the *Services Settings* window, enter the following information:

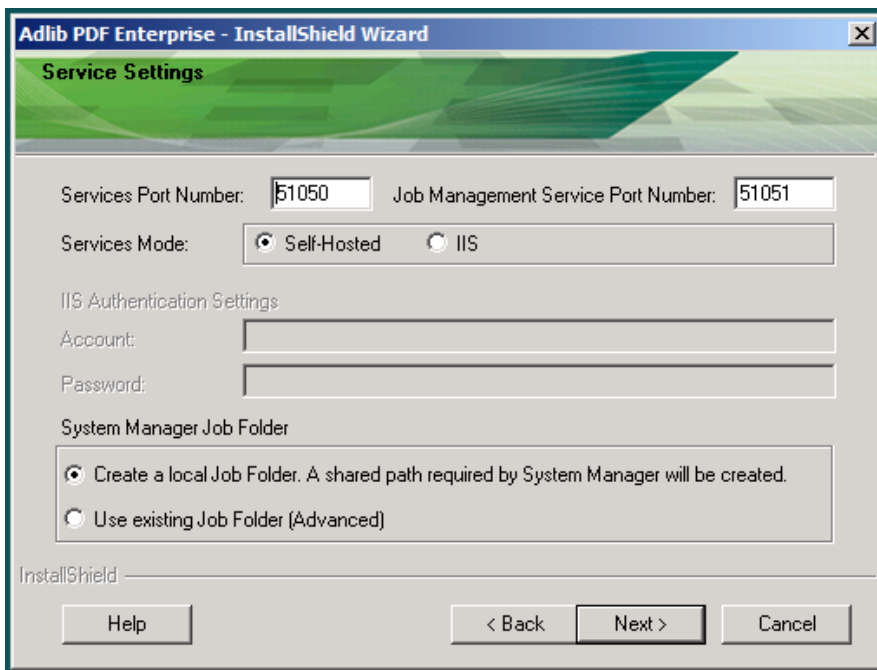
Services/Job Management Service Port Numbers: The port numbers to be used by the web Services and Job Management Service to access Adlib PDF. Defaults are provided during installation, but these can be modified if necessary. The port numbers will be validated before the next step in the installation.

Create a local Job Folder: A shared path will be created for use by the System Manager.

Or,

Use Existing Job Folder: Select this option if you are configuring a clustered environment.

Figure 20 - Self-Hosted Services Settings



Start the **Process Manager** before running the **Adlib Management Console** for the first time.

Disabling UAC Settings

Before Adlib PDF can be installed, User Account Control (UAC) must be disabled for the user under which Adlib executables and services will be run. The method for modifying this setting varies according to the operating system is being used.

Windows Server 2008 R2

This procedure includes modifying the User Settings and restarting the computer.

↓ To Disable UAC in Windows Server 2008 R2:

1. Open the Control Panel and select User Settings.
2. Change to setting to “Never Notify” and click OK.
3. Restart the computer before beginning the installation of Adlib PDF.

Windows Server 2012

In Windows Server 2012, both the User Settings and the Local Security Policy must be modified before the changes will take effect.

↓ To Disable UAC in Windows Server 2012:

1. Open the Control Panel and select User Settings.
2. Change to setting to “Never Notify” and click OK.
3. To view your current UAC status, open the Action Center in the Control Panel.
4. To change the UAC policy, open the Server Manager and select Local Security Policy from the Tools menu.
5. Expand Local Policies and select Security Options.
6. Scroll down the list of options and ensure that ‘User Account Controls: Run all administrators in Admin Approval Mode’ is set to ‘Disabled’.
7. To verify that the changes were applied correctly, navigate back to the Action Center and check the status of the User Account Control policy. It should read: “UAC will never notify you when apps try to make changes to the computer”.
8. Restart the computer before beginning the installation of Adlib PDF.



If Group Policies are employed to control this setting please consult the Group Policy Administrator.

Granting Access for Users without Local Administrator Rights (Windows Server 2012 Only)

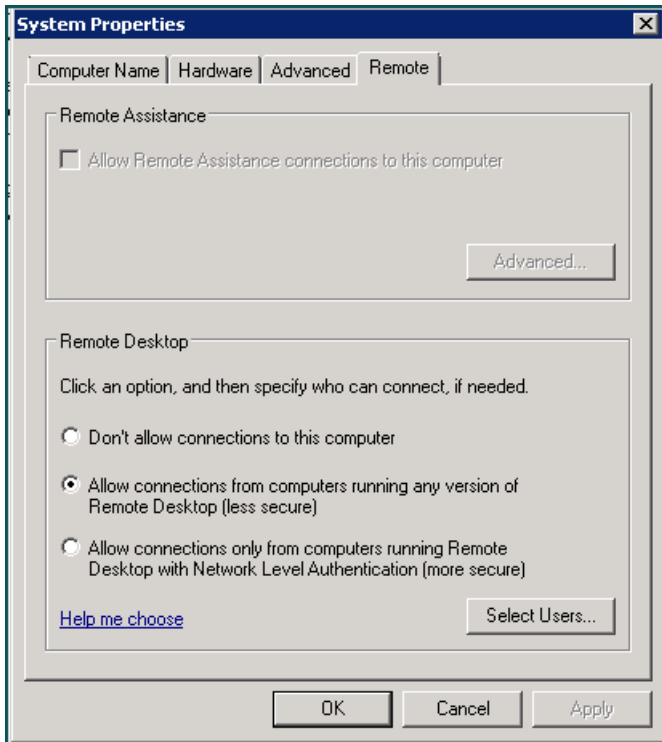
In order to grant access to Adlib PDF to users without local Administrator rights, the default Remote Desktop settings must be changed to allow this type of connection.

↓ Modify System Properties within Windows Server 2012:

1. Access the *Control Panel* and open *System Properties*.

2. Click the *Remote* tab.
3. Select **Allow connections from computers running any version of Remote Desktop (less secure)** and click **Apply**.

Figure 21 - Remote Desktop Settings



Silent Installation

Overview

Adlib PDF can be configured to install silently, without the need for user intervention.

An interactive installation receives the necessary input from the user in the form of responses to dialog boxes. A silent installation receives user input from an Adlib PDF Installation Configuration file (AdlibInstall.cfg).

The installation configuration file contains information that an end user would ordinarily enter as responses to within the Wizard when running an installation from the user interface. The format of AdlibInstall.cfg resembles that of an .ini file. The installation configuration file is a plain text file consisting of sections containing installation parameters for each Component. The user must specify YES or NO for the "Install" parameter within each section and enter any additional information for each Component to be installed.

For example:

```
[Engine]
Install = Yes
ActivationID = <Customer License ID>
```

To install Adlib PDF silently, the user executes the installation with an "/s" command line parameter (i.e. Adlib.5.0x64.exe /s). The installation will search for the AdlibInstall.cfg in the same folder as the installation file.

Optionally, the user can specify a different location and filename for the installation configuration file by passing the full path as a second parameter (i.e. Adlib.5.0x64.exe /s /v"CONFIG= C:\Other location\AdlibInstallDifferent.cfg"). The installation configuration file must always be named "AdlibInstall.cfg" if you are not using the /v option.



If the /v"CONFIG=[CONFIG_FILE_PATH]" parameter is specified on the command line, no log will be created for the installation. To create a log while using this parameter, the /verbose option is required.

For example:

```
AdlibPDF.Enterprise.exe /v"CONFIG=C:\Configs\MyConfig.cfg" /verbose"C:\Install\MyLog.txt"
```

The silent installation will read the information from the installation configuration file and install the product according to the data provided. To modify the installation configuration file, simply open it in a text editor.

The user will not be notified when the installation process is completed, but the executable will be visible within the Windows Task Manager while it is running.

The silent installation will not force a reboot, however it is recommended that the user reboot after the installation has completed.

Installation Log

The Installation Log is stored in the Windows temp folder. To access the Installation Log, ensure you are logged in as the user who performed the installation and navigate to the temp folder in Windows Explorer using the following syntax:

```
%temp%
```


Upgrades

IMPORTANT: When performing an upgrade, any Components that are not supported by the new version of Adlib PDF will not initialize after the upgrade. If any such Components are detected, a log message will be generated to inform the user that they need to upgrade a Component due to an initialization failure.

Process Manager Services

The Adlib **Process Manager** Service must be started in Windows (Administrative Tools/Services) before jobs can be submitted for processing.

Databases

Adlib PDF can be installed for use with an existing SQL database. If an SQL database is to be used, the database tablespace/schema with a corresponding user account must be available prior to the installation of Adlib PDF. If a SQL database is not already installed, a SQL Server Express Instance and database can be created during the Adlib PDF installation. To install a SQL Server Express database, uncomment and complete the parameters that pertain to the SQL Server Express installation within the silent installation file:

InstallSQLServerExpress = Yes

SQLServerExpressSAPassword = <SQL Password for SA>

Multi-Server Installations

When Adlib PDF Components are to be installed on multiple servers, the silent installation file must be modified for each installation, and a defined order of Component installation must be followed.

↓ To Install Adlib PDF Components on Multiple Servers:

1. Install the database scripts or SQL Server Express database. For all subsequent installations, specify "Install = No" within the Database/Scripts sections.
2. Install the Services Component(s). If installing a Services Component on a machine that does not contain the database, ensure that the "RemoteDatabaseConnectionString" parameter is included in the silent installation file.
3. Install the System Manager and Engine and any additional Components as required. Any Component installations on servers where the Services Component has not been installed requires the "RemoteServicesURL(s)" location to be specified within the silent installation file. This location should be a fully qualified domain name when performing an install in a distributed system.

Uninstallation

Similarly to installation, the silent uninstallation file (AdlibUninstall.cfg) contains information that the user would ordinarily enter as responses within the wizard when running an uninstall from the user interface. To begin the silent uninstall, the user executes the installation with an "/s" command line parameter, (i.e. Adlib.5.0x64.exe /s). The program will search for the .cfg in the same folder as the installation file. If present, the silent installation file (AdlibInstall.cfg) must be removed from the folder before performing the uninstall, or a silent installation will be executed. Optionally, the user can specify a different location for the uninstallation configuration file by passing the path as a second parameter:
Adlib.5.0x64.exe /s C:\User\SomePath\AdlibUnInstall.cfg.



The silent uninstallation configuration file will perform a complete uninstall. Currently, modifications cannot be performed silently.

AdlibInstall.cfg

[Common]

InstallFolder = C:\Program Files\Adlib
RootFolder = C:\Adlib
WindowsUsername = <Windows Login>
WindowsPassword = <Windows Password>
ManagementConsoleUsername = sysadmin
ManagementConsolePassword = <sysadmin password>
SysadminEmailAddress = <myemail@mydomain.com>
ChangeNetworkServicePermission = Yes | No | Ignore
CustomerName = <MyName>
CompanyName = <MyCompany>

#DatabaseConnectionString = Data Source = <[Computer_Name] | [Computer_Name]\DB Instance Name>; Initial Catalog = <DatabaseName>; User Id = <DatabaseAccountUserID>; Password = <DatabaseAccountPassword>;
#RemoteDatabaseEngine = System.Data.SqlClient
#RemoteServicesURL = http://<HOSTNAME>:<Port>/Adlib
#RemoteJMSServicesURL = http://<HOSTNAME>:<Port>/Adlib

[Database]

Install = Yes | No
DatabaseEngine = SQLServer
DatabaseAccount = AccountName
DatabasePassword = <SQL Password>

SQLServer-specific

ServerName = localhost\SQLEXPRESS
SQLServerAuthentication = SQLServer | Windows
DatabaseName = ADLIB_PDF

Uncomment next two lines to install SQL Express

#InstallSQLServerExpress = Yes | No
#SQLServerExpressSAPassword = <SQL Password for SA>

[SystemManager]

Install = Yes | No

ServiceAccount = <Windows Login for SystemManager>

ServicePassword = <Windows Password>

[Engine]

Install = Yes | No

ActivationID = <Customer license ID>

[Services]

Install = Yes | No

Mode = SelfHosted | IIS

PortNumber = <Selfhosted_Default=51050 | IIS_Default=80>

JMSPortNumber = 51051

DirectorJobFolder = Create

IISAuthenticationAccount = <Windows Login for Services>

IISAuthenticationPassword = <Windows Password>

[GenericConnector]

InstallPath = C:\Program Files\Adlib\Generic Connector

InstallVersion = 1.0.0.0


AdlibUninstall.cfg


ManagementConsoleUsername = sysadmin

ManagementConsolePassword = <PASSWORD>

RehostEngineLicenses = Yes | No

Glossary

Silent Install Script Parameter	Description
[Common]	
InstallFolder	Specify the install location. Default = C:\Program Files\Adlib
RootFolder	Specify the location to create the default processing folders. Default = C:\Adlib
WindowsUsername/Password	Enter the username and password under which the Adlib executables and services will run. These must be the credentials of a Windows user with local administrator privileges. The username must be in the domain\username format or the .username format for a local user.  User Account Control security settings must be turned off for this Windows user before the installation of Adlib PDF
ManagementConsoleUsername	The username is pre-defined as "sysadmin".
ManagementConsolePassword	Enter the password you wish to use to login to the Adlib Management Console.
SysadminEmailAddress	Enter the email address at which you wish to receive system notifications.
ServicesURL	Specify the location of the Services installation in the following format: http://localhost/Adlib If a port number other than 80 will be used, the port number must also be specified: http://localhost:<portnumber>/Adlib
ChangeNetworkServicePermission	Specify whether or not the installer should check the installation folder to ensure that the user NETWORK SERVICE has the correct permissions so that IIS can access the web.config in the install folder. Yes - The install will attempt to change the permissions. If it fails to set permissions, the installation will fail. If successful, the install will continue. No - The install will not attempt to change permissions if not set. The installation will fail. Ignore - The installer will check for permissions, and note in install log if required permissions are not set. The installation will continue.
CustomerName	Specify the customer name.

Silent Install Script Parameter	Description
CompanyName	Specify the company name.
RemoteDatabaseConnectionString	<p>When deploying additional Adlib PDF Components in a subsequent installation on a machine that does not contain the database, specify the following parameters within the RemoteDatabaseConnectionString:</p> <p>Data Source = Computer Name or Computer Name\Database Instance Name</p> <p>Initial Catalog = Database Name</p> <p>User ID = Database User Account Name</p> <p>Password = Database User Password</p>
RemoteDatabaseEngine	Default = System.Data.SqlClient
RemoteServicesURL RemoteJMSServicesURL	<p>If IIS-based Services have been installed, only the RemoteServicesURL (default port = 80) is required.</p> <p>If self-hosted Services have been installed, both the RemoteServicesURL (default port = 51050) and the RemoteJMSServicesURL (default port = 51051) are required.</p> <p>The Remote Services and JMS Services URLs must be a fully qualified domain names when Adlib PDF Components are installed on additional servers.</p>
[Database]	
Install	<p>Specify Yes when installing all the Adlib PDF Components on a single server. If Components will be installed on multiple servers, the database scripts must be installed first. During subsequent installations, the database install parameter must be:</p> <p>Install = No</p>
DatabaseEngine	Default = SQLServer
DatabaseAccount/Password	<p>Specify the credentials of a database user with read/write privileges. These credentials will be used to register components and to make calls to the database.</p> <p>The Database Account/Password must also be entered during a SQL Server Express installation.</p>
#SQLServer-specific	 <p>When performing an Adlib PDF for SQL Server installation, the database tablespace/schema with a corresponding user account must be available prior to the installation of the Adlib system</p>

Silent Install Script Parameter	Description
ServerName	The machine name where the database is located. This must be an externally visible/resolvable name. <Databasehost> or <Databasehost>\<DatabaseInstance> Default = localhost\SQLEXPRESS
SQLServerAuthentication	Select either SQLServer or Windows Authentication for the SQL Server database
DatabaseName	Any alias for the name of the database to be used by Adlib PDF. Default = ADLIB_PDF
#InstallSQLServerExpress	Uncomment this parameter and specify Yes to install a SQL Server Express database along with Adlib PDF.
#SQLServerExpressSAPassword	Uncomment this parameter and specify the SA password for the SQL Server Express database. These credentials will be used to register components and to make calls to the database.
[SystemManager]	
Install	Specify whether or not to install the System Manager Component.
ServiceAccount/Password	The credentials of a local administrator account, which will be used to run the System Manager Service. If desired, this can be the same account specified for the WindowsUsername/Password parameter in the Common section.
[Engine]	
Install	Specify whether or not to install the Transformation Engine.
ActivationID	The customer license ID.
[Services]	
Install	Specify whether or not to install Services. When installing Adlib PDF Components on additional servers, the Services Component must be installed after the Database, but before all subsequent Components. In those cases, the RemoteServicesURL(s) must be included in the .cfg file when installing Components on other servers.
Mode	Use Mode to select either IIS or Self-hosted. The port number parameter must be specified. If IIS services are selected, the JMSPortNumber will be ignored.


Silent Install Script Parameter	Description
PortNumber	Indicate the port number for the user console connection to the Adlib website. Default = 80 (IIS Services).
JMSPortNumber	Indicate the port number for Job Management Services (Self-hosted Services only). Default = 51051
DirectorJobFolder	The default "Create" will create an IIS virtual directory and a shared path for use by the System Manager.
IISAuthenticationAccount/Password	Specify the credentials of a user with the right to create Internet Information Services Settings, using the domain\username format.
[UserInterface]	
Install	The Management Console is not available with Adlib PDF OEM.
[GenericConnector]	
InstallPath	If applicable, specify the path to the location of the custom integration to Adlib PDF. The default is: C:\Program Files\Adlib\Generic Connector
InstallVersion	Indicate the version number of the custom connector used when registering the Component with Adlib PDF.

License Manager Instructions

The Adlib License Manager can be used to manage all of your Adlib PDF license needs. Licenses can be activated, returned and rehosted according to business requirements.

Explanation of License Types

There are four types of license transactions that can be performed within the Adlib License Manager:

License Type	Use
Evaluation License	Enables Adlib PDF for a 30-day evaluation period. Evaluation may be enabled only once per computer. Output will be watermarked.
Activate License	Activates an Adlib PDF license for exclusive use with all of the features that are included in the purchased license package.
Rehost License	Temporarily returns a license to the Adlib license server so that it can be re-activated on a different machine.
	 Rehost can also be used to temporarily remove then return a license to the same machine when making any significant changes to a server (such as virtualizing a server or making any significant hardware changes.)
Return License	Returns a license to the Adlib license server with no transfer.



The **Transformation Engine** must be stopped using the **Process Manager** before performing any type of license transaction. For more details on stopping and restarting the service, see the Adlib PDF User Guide.

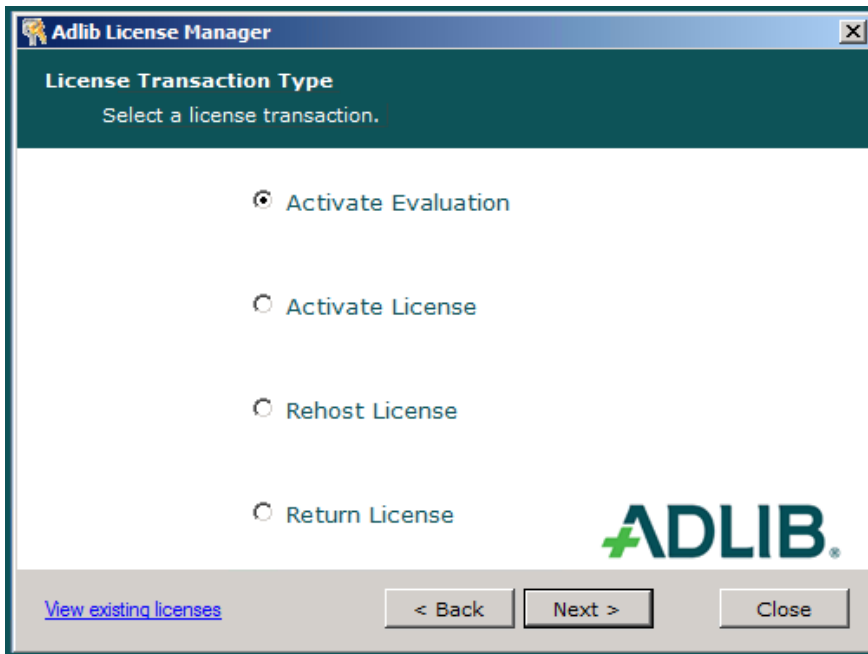
Evaluation License

The Activate Evaluation license transaction enables Adlib PDF in evaluation mode for a 30-day trial period. Output will be watermarked.

↓ **To Activate an Evaluation License:**

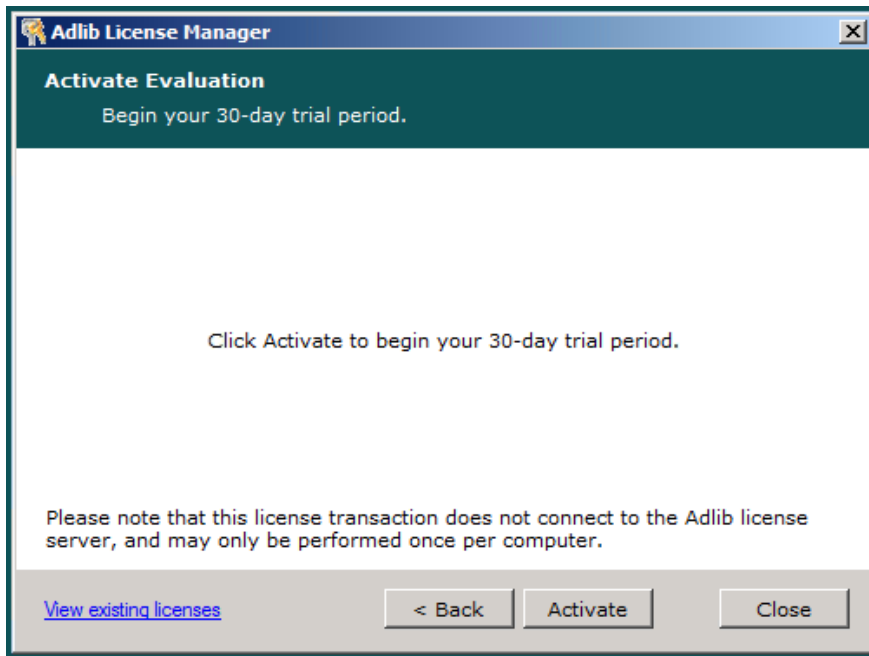
1. In the *License Transaction Type* window, select **Activate Evaluation** and click **Next**.

Figure 22 - License Transaction Type window



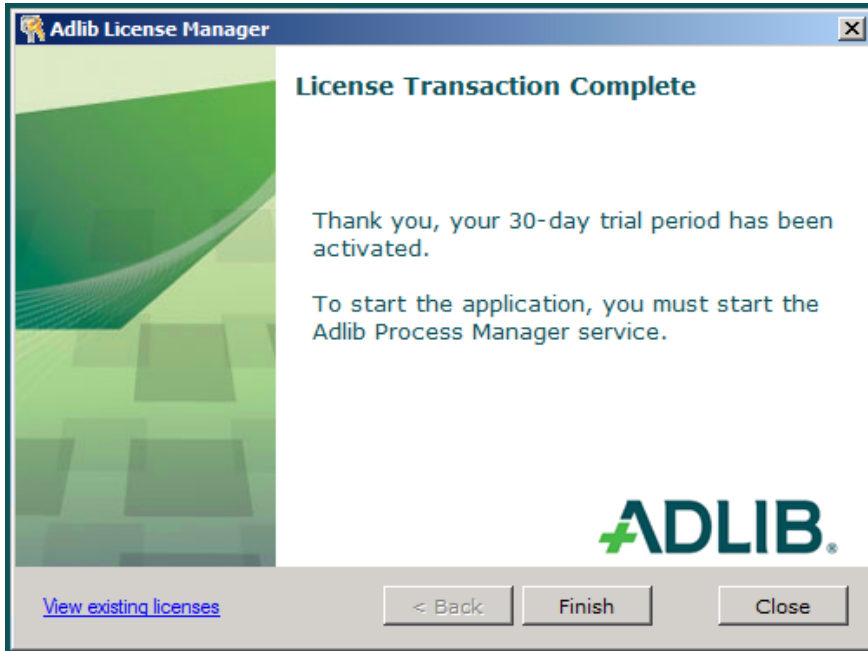
2. In the *Activate Evaluation* window, click **Activate** to begin the 30-day trial period.

Figure 23 - Activate Evaluation window



3. In the *License Transaction Complete* window, click **Close** to close the License Manager. The **Transformation engine** must now be restarted using the **Process Manager** service before jobs can be processed. For more information on stopping and starting the service, see the Adlib PDF User Guide.

Figure 24 - License Transaction Complete window



Activate License - Online

The Activate License transaction type registers Adlib PDF with all of the features that are included in the purchased license package. Any feature that is outside of the purchased license package will produce evaluation watermarks when selected.

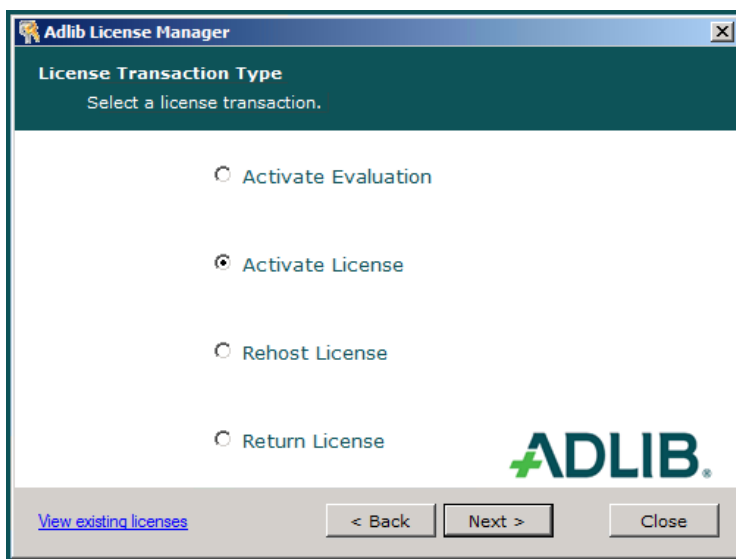


Your network must permit communication through port 80 for online activation method to succeed.

↓ To Activate a License Online:

1. In the *License Transaction Type* window, select **Activate License** and click **Next**.

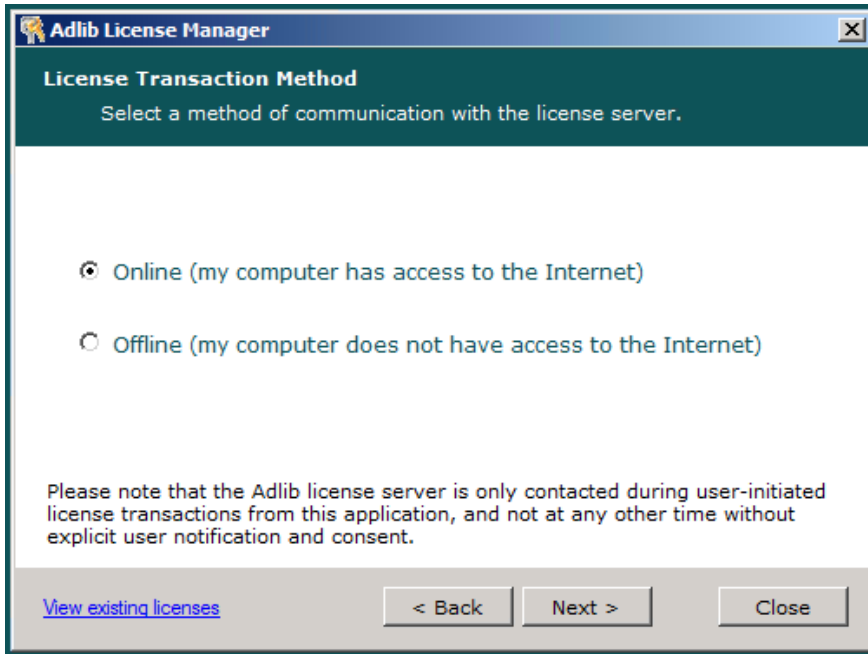
Figure 25 - License Transaction Type window



The Adlib License server is only contacted during user-initiated license transactions from the Adlib License Manager application, and not at any other time without explicit user notification and consent.

2. In the *License Transaction Method* window, select **Online** and click **Next**.

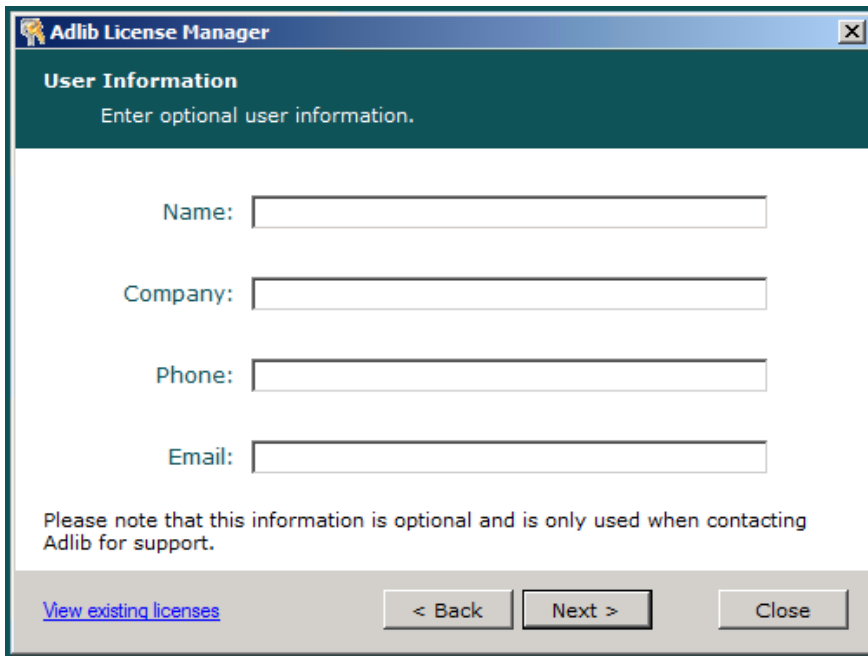
Figure 26 - License Transaction Method window



The screenshot shows a window titled "Adlib License Manager" with a sub-header "License Transaction Method". Below the sub-header is the instruction "Select a method of communication with the license server." There are two radio button options: "Online (my computer has access to the Internet)" which is selected, and "Offline (my computer does not have access to the Internet)". Below these options is a note: "Please note that the Adlib license server is only contacted during user-initiated license transactions from this application, and not at any other time without explicit user notification and consent." At the bottom, there is a link "View existing licenses" and three buttons: "< Back", "Next >", and "Close".

3. If desired, in the *User Information* window type the **Name**, **Company**, **Phone** and **Email** and click **Next**.

Figure 27 - User Information window



The screenshot shows a window titled "Adlib License Manager" with a sub-header "User Information". Below the sub-header is the instruction "Enter optional user information." There are four text input fields labeled "Name:", "Company:", "Phone:", and "Email:". Below these fields is a note: "Please note that this information is optional and is only used when contacting Adlib for support." At the bottom, there is a link "View existing licenses" and three buttons: "< Back", "Next >", and "Close".



This information is only used when contacting Adlib for support.

4. In the *Activation ID* window, type the **Activation ID** provided by Adlib Fulfillment and click **Next**.

Figure 28 - Activation ID window

Adlib License Manager

Activation ID
Enter your Activation ID.

Activation ID:

Enter the Activation ID for the license you wish to activate.

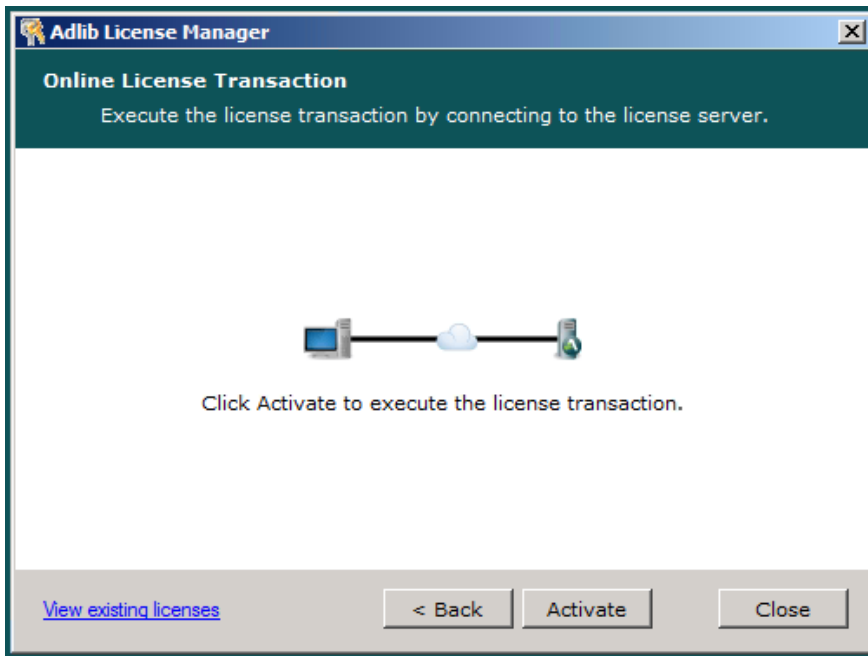
[View existing licenses](#) < Back Next > Close

5. In the *Online License Transaction* window, click **Activate** to begin the activation.



The **Transformation Engine** must be stopped using the **Process Manager** before performing any type of license transaction. For more details on stopping and restarting the service, see the Adlib PDF User Guide.

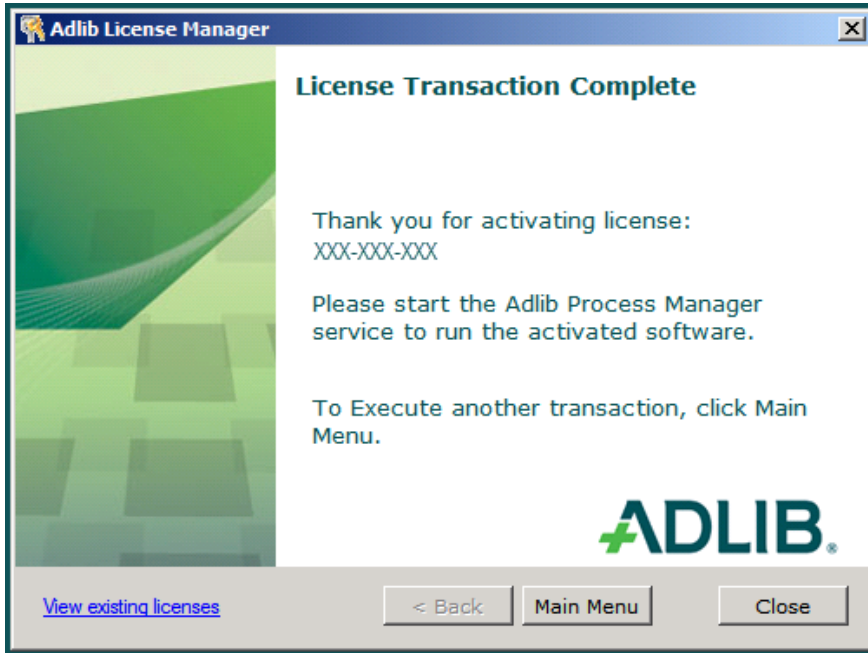
Figure 29 - *Online License Transaction* window



The Adlib **Transformation Engine** requires one license per virtual machine.

- When the license has been activated, click **Finish** to return to the main menu of the Adlib License Manager or **Close** to exit the application. The **Transformation Engine** must now be restarted using the **Process Manager** service before jobs can be processed. For more information on stopping and starting the service, see the Adlib PDF User Guide.

Figure 30 - License Transaction Complete window



Activate License - Offline

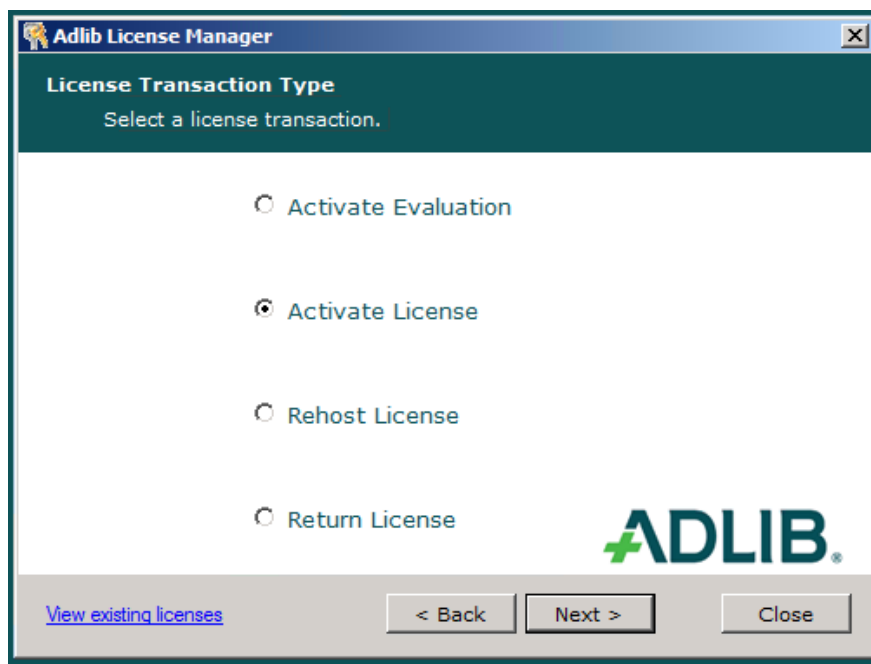
Licenses can be activated offline by generating an activation request file and transmitting it online to the Adlib license server on an alternate computer, or by email to Adlib customer service.

When Adlib PDF is licensed for the first time using the offline process, two response files must be requested and submitted; the first activation request file creates a license storage placeholder on the Transformation Engine server and the second provides the necessary information to complete the license transaction. Any subsequent activations require only one response file submission to the Adlib license server.

↓ To Activate a License Offline:

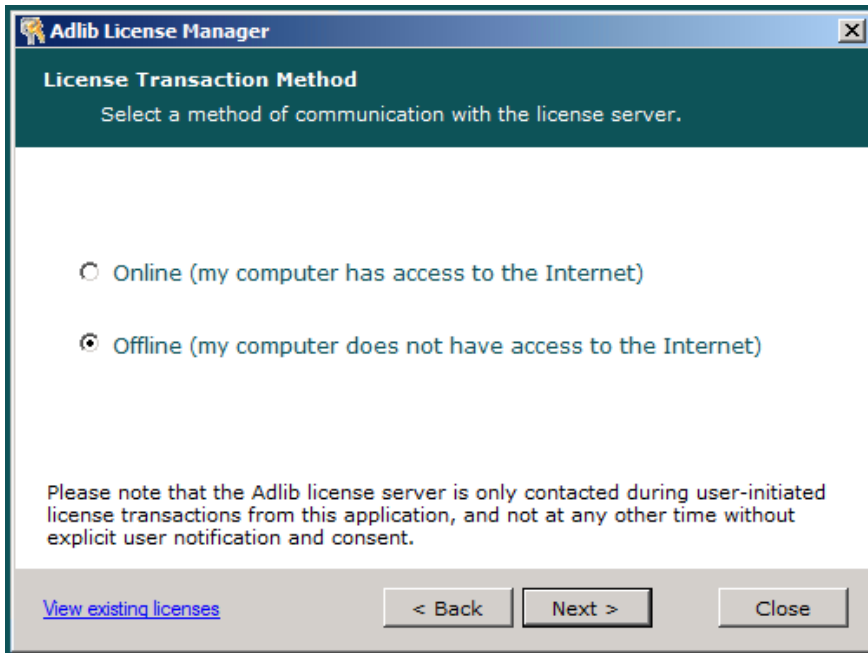
1. In the *License Transaction Type* window, select **Activate License** and click **Next**.

Figure 31 - License Transaction Type window



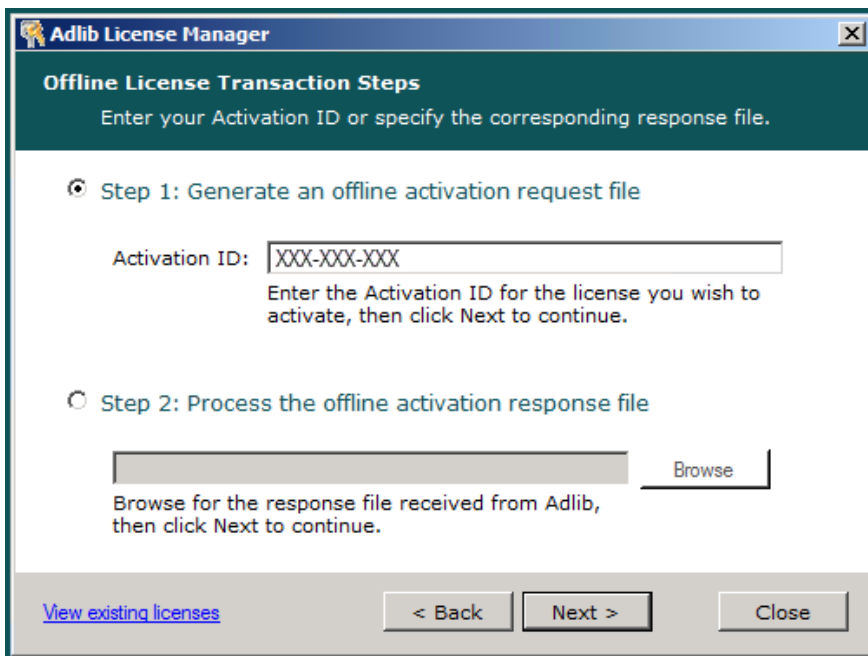
2. In the *License Transaction Method* window, select **Offline** and click **Next**.

Figure 32 - License Transaction Method window



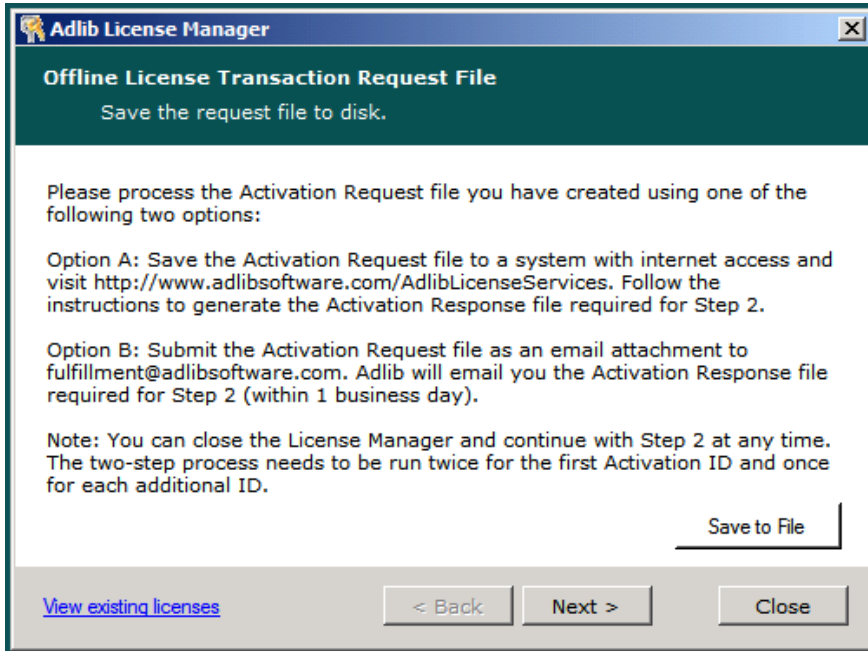
3. In the *Offline License Transaction Steps* window, select **Step 1: Generate an offline activation request file**.
4. Type the **Activation ID** provided by Adlib Fulfillment and click **Next**.

Figure 33 - Offline License Transaction Steps window



5. In the *Offline License Transaction Request File* window, click **Save to File** and choose a location to save the file to your computer.
6. Click **Next**.

Figure 34 - Offline License Transaction Request File window



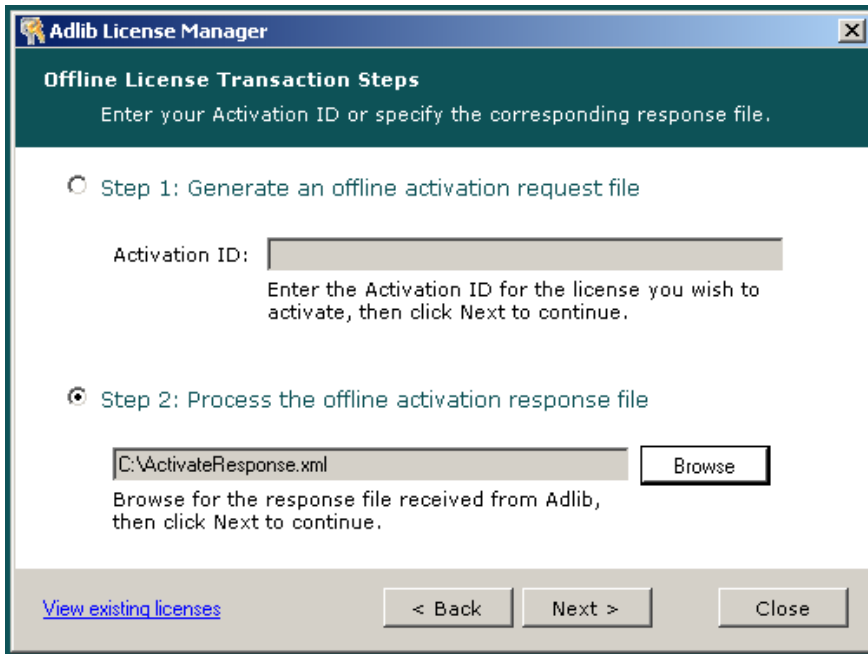
7. The file must then be processed using one of the following methods
 - Copy the Activation Request file to a system connected to the internet and access <http://www.adlibsoftware.com/AdlibLicenseServices>. An Activation Response file can be generated from this website for the next step in the Activation process.

Or,

 - Submit the Activation Request file via email to fulfillment@adlibsoftware.com. An Activation Response file sent by Adlib (within one business day) can then be used in the next step of the license transaction. The Adlib License Manager can be reopened to continue with the next step at anytime.
8. Once the response file has been received, copy it to the machine where the Adlib **Transformation Engine** is installed.

9. In the *Offline License Transaction Steps* window, select **Step 2: Process the Offline Activation Response File** and click **Browse** to locate the file. Click **Next**.

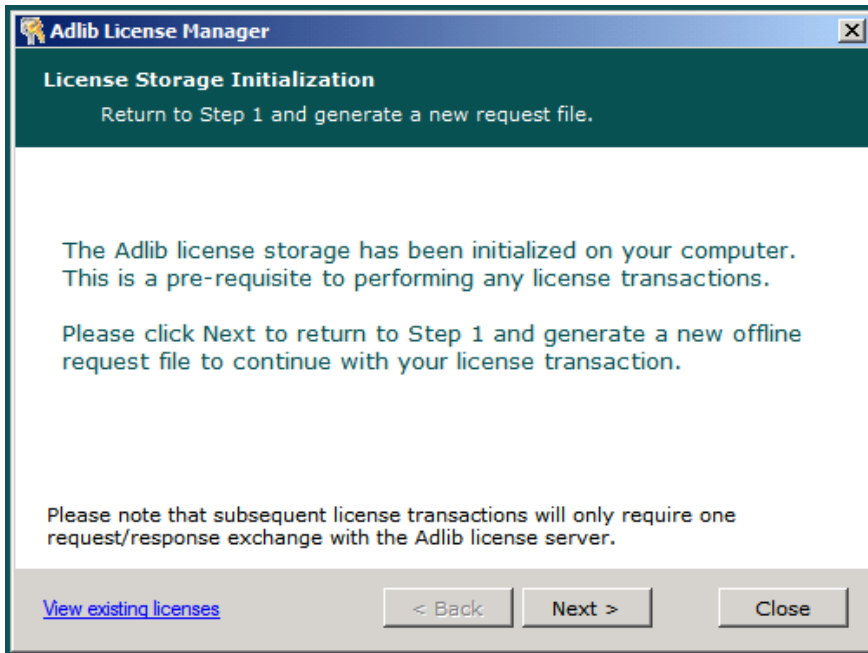
Figure 35 - Offline License Transaction Steps Window



10. If Adlib PDF is being licensed for the first time, the *License Storage Initialization* window appears. In order to complete the license transaction, a second request file must be requested and submitted. Click **Next** to return to Step 1.

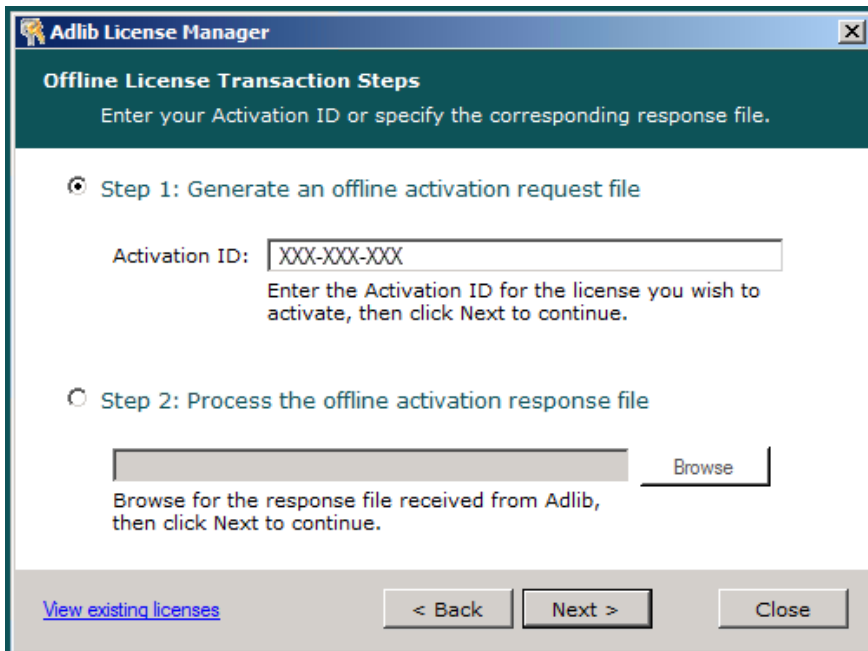
If this is not the first activation of a license, proceed to step 17 in the Offline License Activation procedure.

Figure 36 - License Storage Initialization



11. Click **Next** in the *Offline License Transaction Steps* window. Do not modify the contents of the **Activation ID** field.

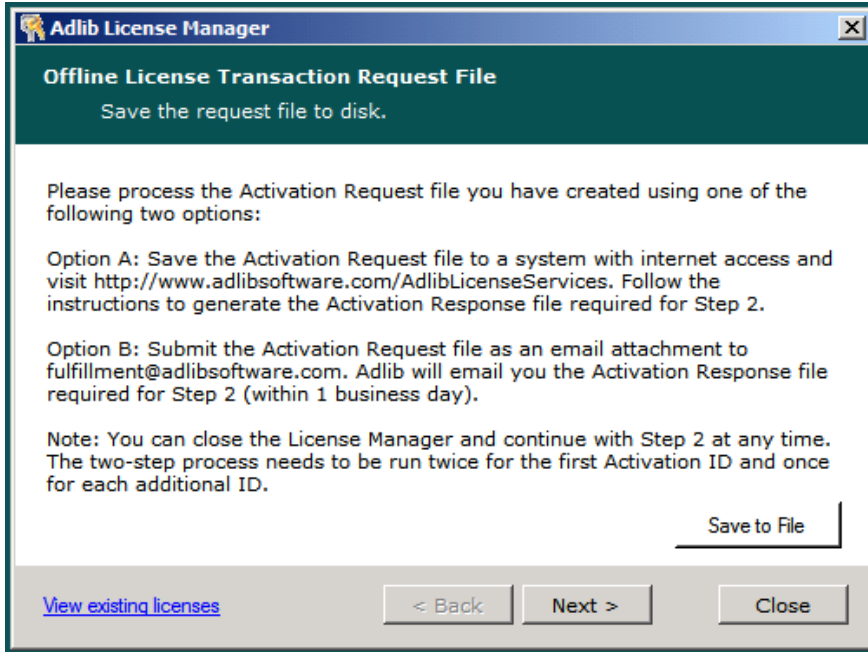
Figure 37 - Offline License Transaction Steps



12. In the *Offline License Transaction Request File* window, click **Save to File** and choose a location to save the file to your computer.

13. Click **Next**.

Figure 38 - Offline License Transaction Request File window



14. The file must then be processed using one of the following methods

- Copy the Activation Request file to a system connected to the internet and access <http://www.adlibsoftware.com/AdlibLicenseServices>. An Activation Response file can be generated from this website for the next step in the Activation process.

Or,

- Submit the Activation Request file via email to fulfillment@adlibsoftware.com. An Activation Response file sent by Adlib (within one business day) can then be used in the next step of the license transaction. The Adlib License Manager can be reopened to continue with the next step at anytime.

15. Once the response file has been received, copy it to the machine where the Adlib **Transformation Engine** is installed.

16. In the *Offline License Transaction Steps* window, select **Step 2: Process the Offline Activation Response File** and click **Browse** to locate the file. Click **Next**.

Figure 39 - Offline License Transaction Steps Window

The screenshot shows the 'Adlib License Manager' window with the title 'Offline License Transaction Steps'. Below the title bar, it says 'Enter your Activation ID or specify the corresponding response file.' There are two radio button options: 'Step 1: Generate an offline activation request file' (which is unselected) and 'Step 2: Process the offline activation response file' (which is selected). Under Step 1, there is an 'Activation ID:' label and an empty text box, with instructions to 'Enter the Activation ID for the license you wish to activate, then click Next to continue.' Under Step 2, there is a text box containing 'C:\ActivateResponse2.xml' and a 'Browse' button to its right, with instructions to 'Browse for the response file received from Adlib, then click Next to continue.' At the bottom of the window, there is a link 'View existing licenses', and three buttons: '< Back', 'Next >', and 'Close'.

17. If desired, in the *User Information* window, type the **Name**, **Company**, **Phone** and **Email** and click **Next**.

Figure 40 - User Information window

The screenshot shows the 'Adlib License Manager' window with the title 'User Information'. Below the title bar, it says 'Enter optional user information.' There are four text input fields labeled 'Name:', 'Company:', 'Phone:', and 'Email:', each with an empty text box to its right. At the bottom of the window, there is a note: 'Please note that this information is optional and is only used when contacting Adlib for support.' Below the note, there is a link 'View existing licenses' and three buttons: '< Back', 'Next >', and 'Close'.



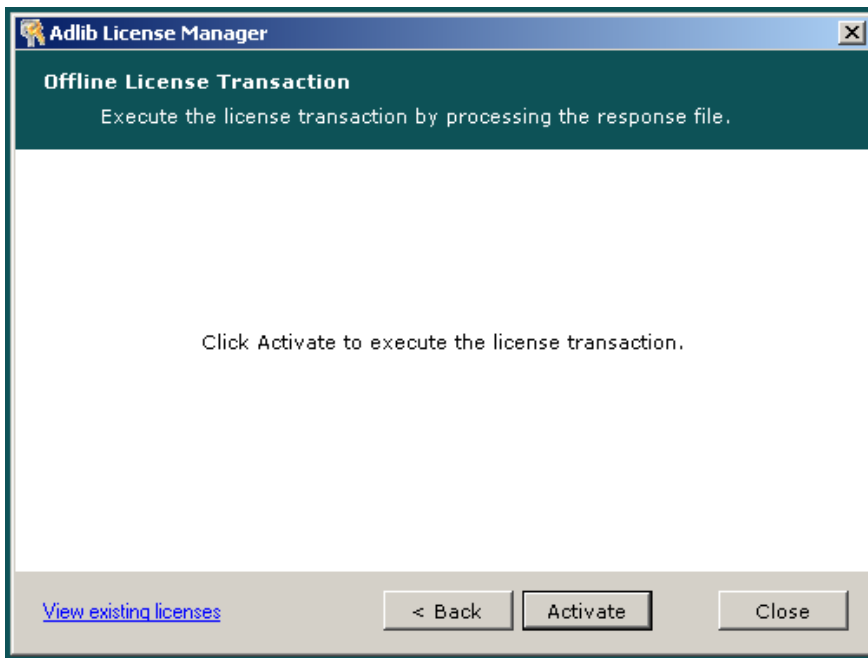
This information is only used when contacting Adlib for support.

18. In the *Offline License Transaction* window, click **Activate** to begin the activation.



The **Transformation Engine** must be stopped using the **Process Manager** before performing any type of license transaction. For more details on stopping and restarting the service, see the Adlib PDF User Guide.

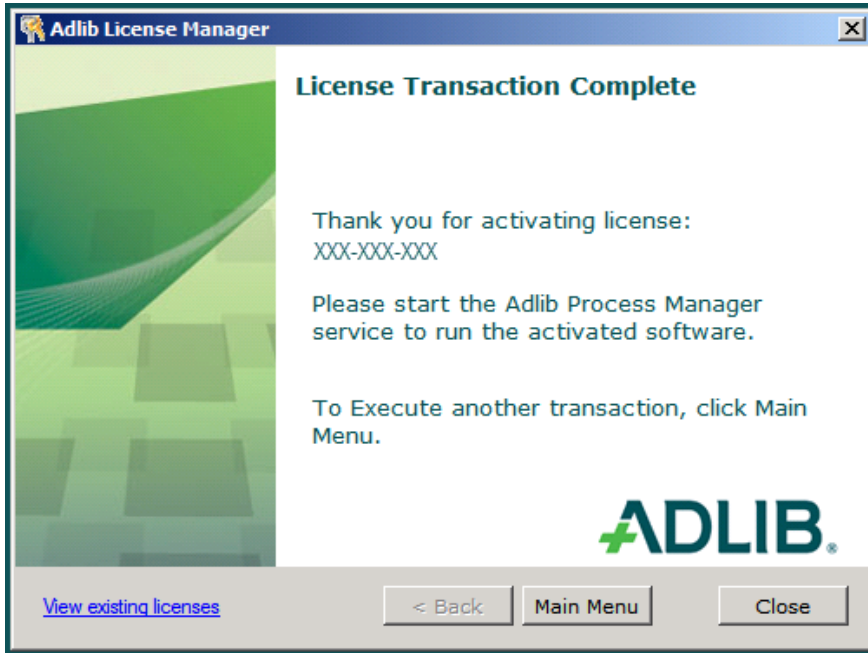
Figure 41 - *Offline License Transaction* window



The Adlib Transformation Engine requires one license per virtual machine.

19. When the license has been activated, click **Main Menu** to return to the main menu of the Adlib License Manager or **Close** to exit the application. The **Transformation Engine** must now be restarted using the **Process Manager** service before jobs can be processed. For more information on stopping and starting the service, see the Adlib PDF User Guide.

Figure 42 - License Transaction Complete window



Rehost License - Online

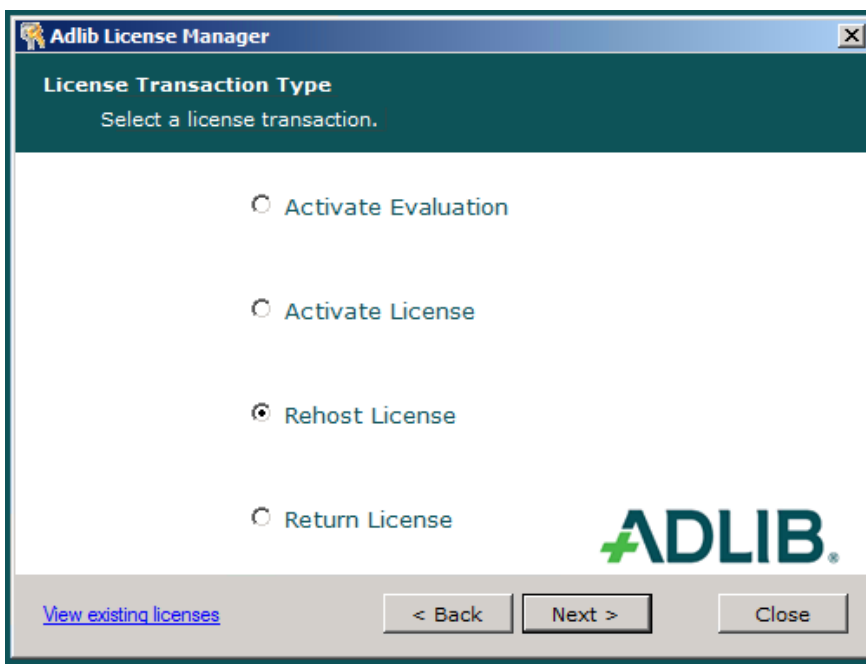
The Rehost License transaction allows a license to be moved from one machine to another by temporarily returning the license to the Adlib license server so it can then re-activating it on a different machine. Rehost can also be used to temporarily remove then return a license to the same machine when making any significant changes to a server (such as virtualizing a server or making any significant hardware changes).

To rehost a license, perform the Rehost License transaction on the original machine and then Activate the license on the new machine. Do not uninstall Adlib PDF until you have completed the rehosting process.

↓ To Rehost a License Online:

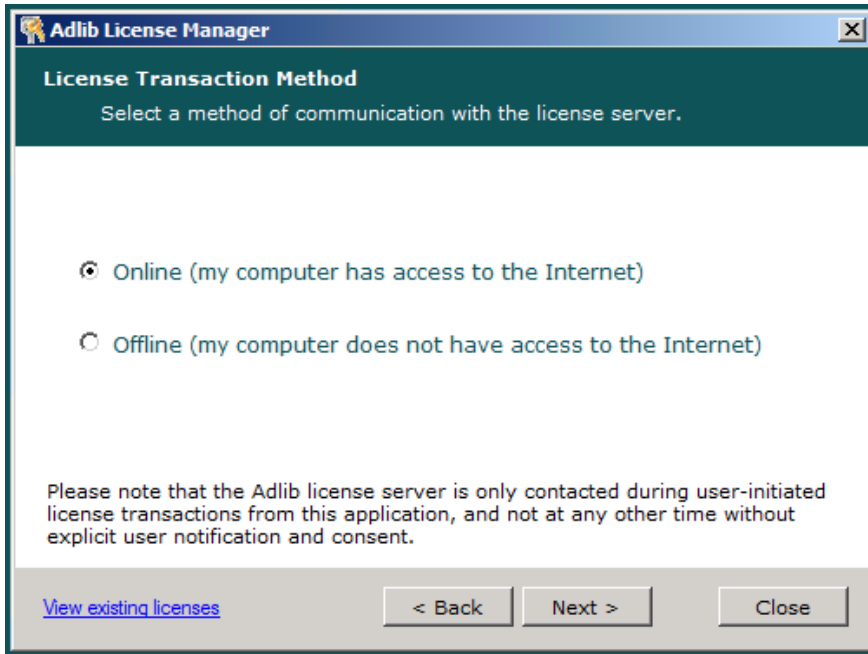
1. In the *License Transaction Type* window, select **Rehost License** and click **Next**.

Figure 43 - License Transaction Type window



2. In the *License Transaction Method* window, select **Online** and click **Next**.

Figure 44 - License Transaction Method window



The Adlib License server is only contacted during user-initiated license transactions from the Adlib License Manager application, and not at any other time without explicit user notification and consent.

3. In the *Activation ID* window, type the original **Activation ID** provided by Adlib Fulfillment and click **Next**.



The Activation IDs for all licenses currently in use can be viewed by clicking the **View Existing Licenses** link in the lower left of the Adlib License Manager windows.

Figure 45 - Existing Licenses window

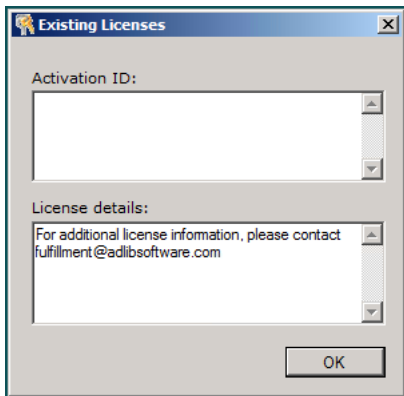
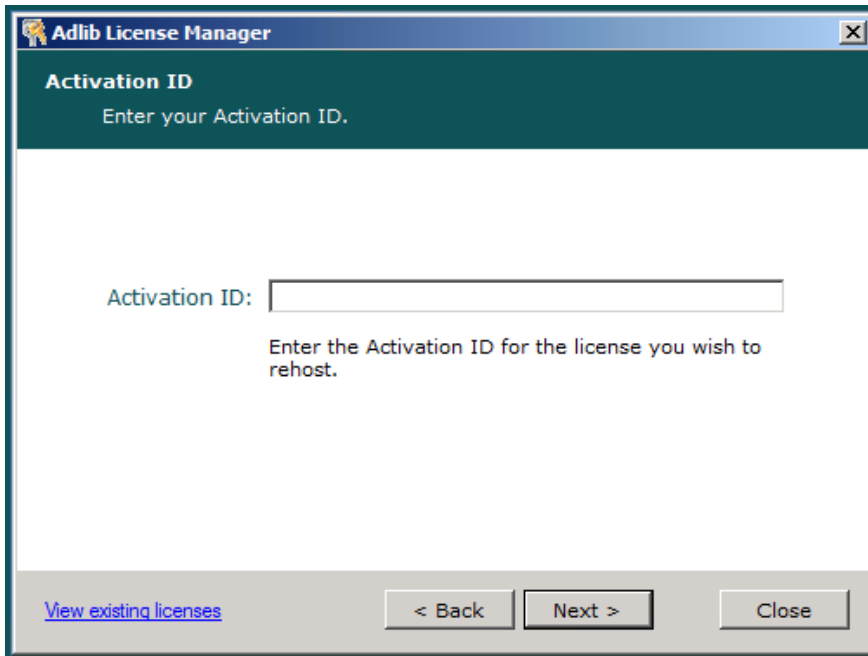


Figure 46 - Activation ID window

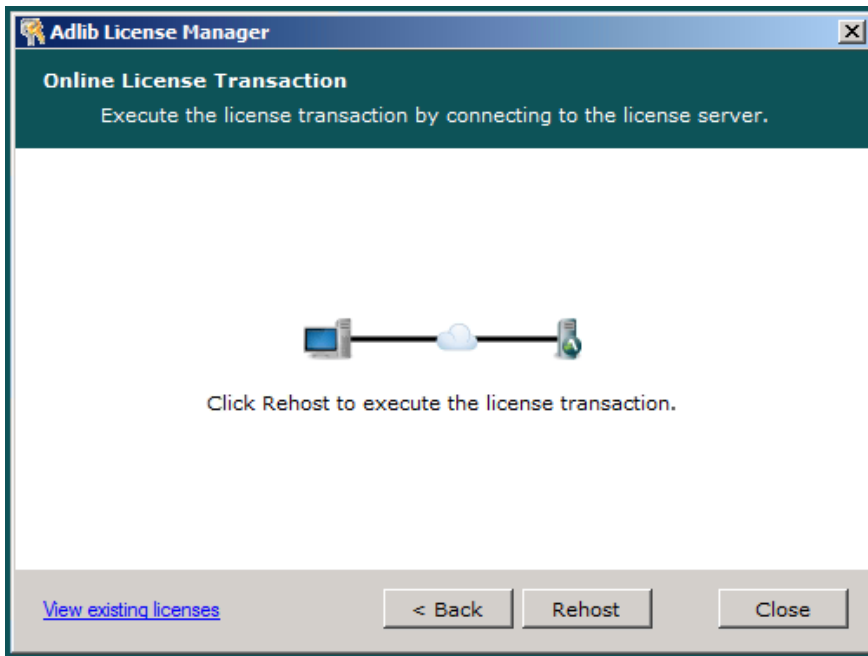


4. In the *Online License Transaction* window, click **Rehost** to return your license temporarily to the Adlib License server.



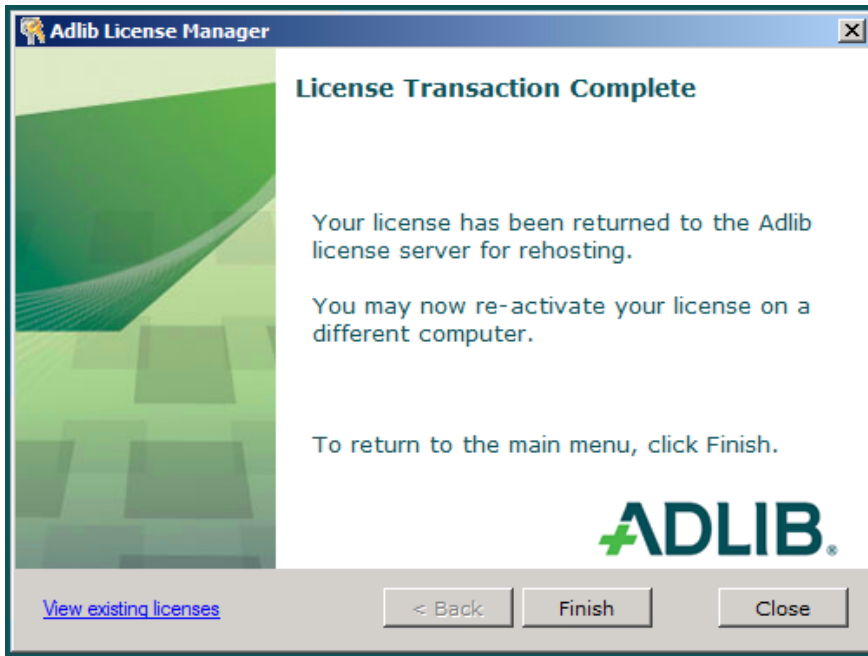
The **Transformation Engine** must be stopped using the **Process Manager** before performing any type of license transaction. For more details on stopping and restarting the service, see the Adlib PDF User Guide.

Figure 47 - *Online License Transaction* window



5. When the license has been rehosted, click **Finish** to return to the main menu of the Adlib License Manager or **Close** to exit the application.

Figure 48 - License Transaction Complete window



Once the rehost has been completed, the Adlib **Transformation Engine** will return to Evaluation mode with time remaining from the original Evaluation start date.

Adlib PDF can now be uninstalled from the original machine and installed on a new machine, or rather, modifications can be made to the original server before the license is re-activated on the same machine. For detailed uninstallation and instructions, see [Uninstallation and Modification](#). The original license can then be activated on the new machine or on the modified, original machine (see [To Activate a License Online](#)).

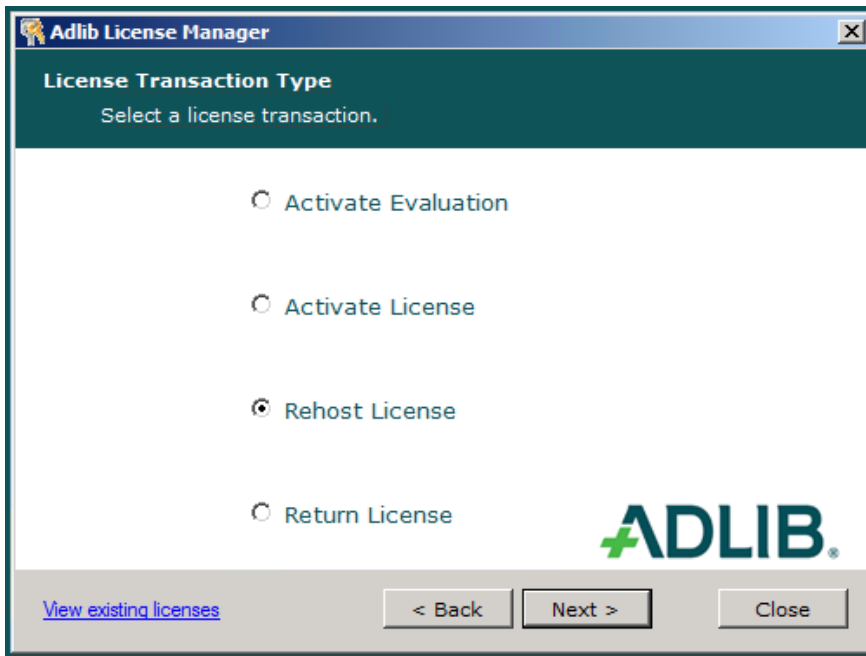
Rehost License - Offline

Licenses can be rehosted offline by generating an rehost request file and transmitting it online to the Adlib license server on an alternate computer or by email to Adlib customer service.

↓ To Rehost a License Offline:

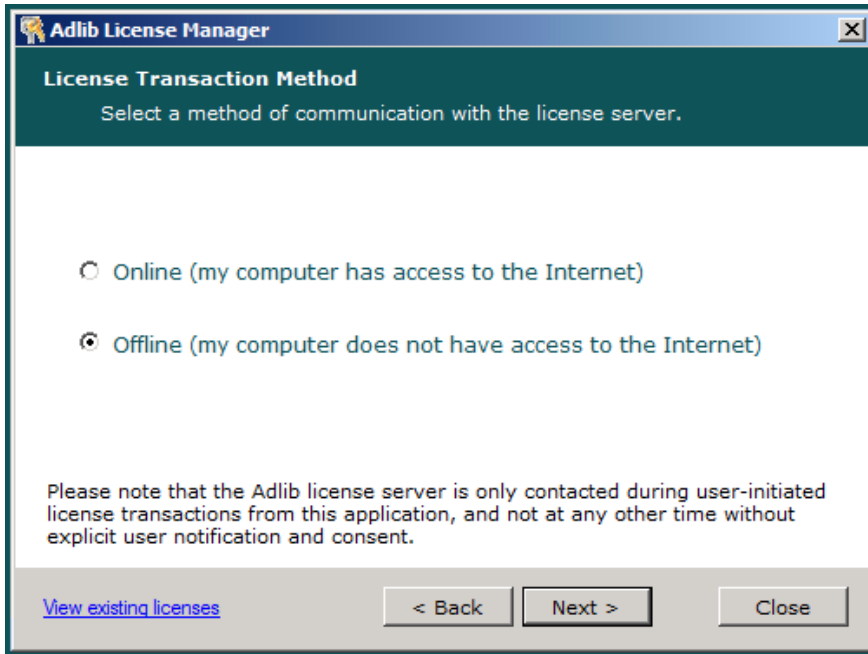
1. In the *License Transaction Type* window, select **Rehost License** and click **Next**.

Figure 49 - License Transaction window



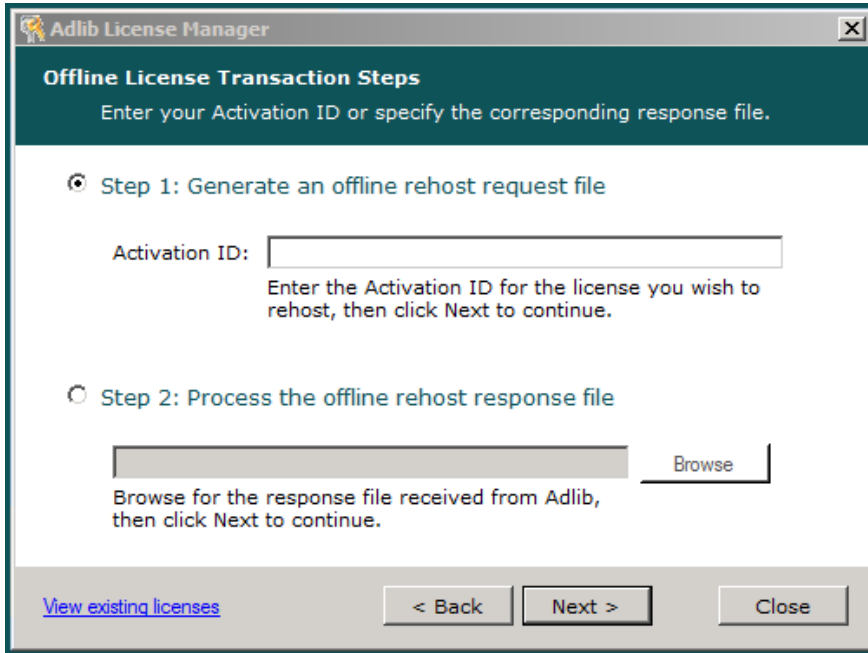
2. In the *License Transaction Method* window, select **Offline** and click **Next**.

Figure 50 - License Transaction Method window



3. In the *Offline License Transaction Steps* window, select **Step 1: Generate an offline rehost request file**.
4. Type the **Activation ID** provided by Adlib Fulfillment and click **Next**.

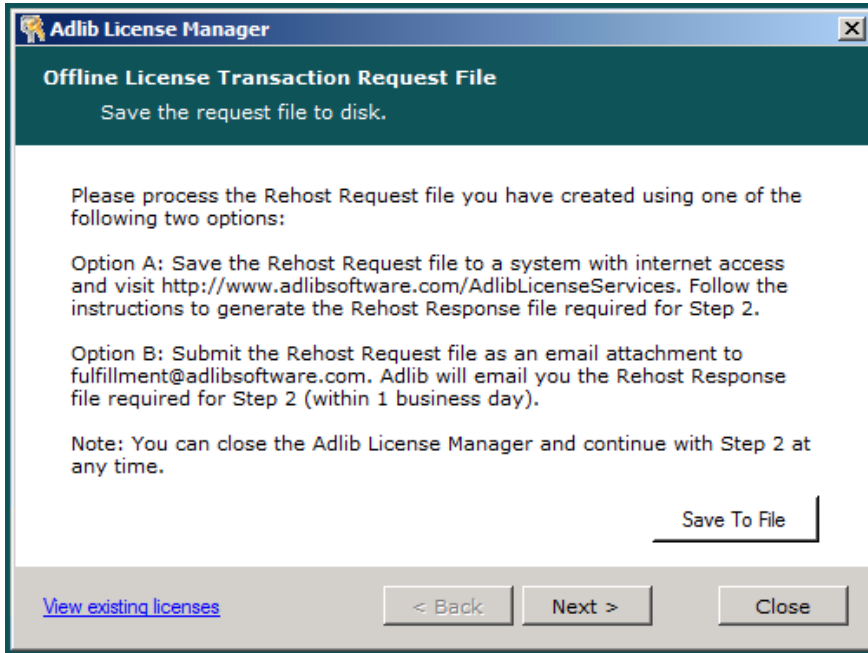
Figure 51 - Offline License Transaction Steps window



The screenshot shows a window titled "Adlib License Manager" with a sub-header "Offline License Transaction Steps". Below the sub-header, it says "Enter your Activation ID or specify the corresponding response file." There are two radio button options: "Step 1: Generate an offline rehost request file" (which is selected) and "Step 2: Process the offline rehost response file". Under Step 1, there is a text input field for "Activation ID:" with a "Browse" button next to it. Below the input field, it says "Enter the Activation ID for the license you wish to rehost, then click Next to continue." Under Step 2, there is a text input field for a response file with a "Browse" button next to it. Below the input field, it says "Browse for the response file received from Adlib, then click Next to continue." At the bottom of the window, there is a "View existing licenses" link, and three buttons: "< Back", "Next >", and "Close".

5. In the *Offline License Transaction Request File* window, click **Save to File** and choose a location to save the file to your computer.
6. Click **Next**.

Figure 52 - Offline License Transaction Request File window



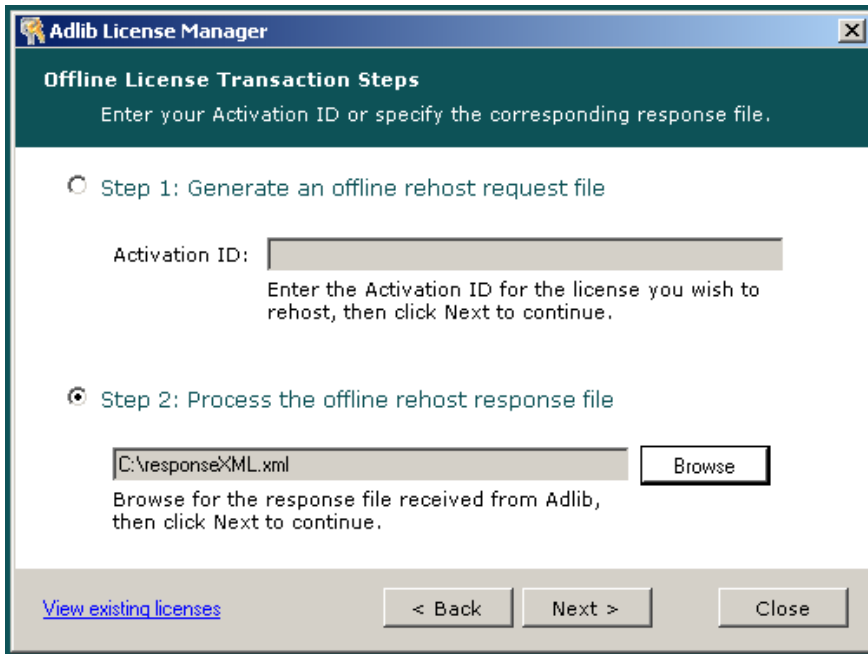
7. The file must then be processed using one of the following methods:
 - Copy the Rehost Request file to a system connected to the internet and access <http://www.adlibsoftware.com/AdlibLicenseServices>. A Rehost Response file can be generated from this website for the next step in the Rehost process.

Or,

 - Submit the Rehost Request file via email to fulfillment@adlibsoftware.com. A Rehost Response file sent by Adlib (within one business day) can then be used in the next step to complete the license transaction. The Adlib License Manager can be reopened to continue with the next step at anytime.
8. Once the response file is received, copy it to the system where the Adlib **Transformation Engine** is installed.

9. In the *Offline License Transaction Steps* window, select **Step 2: Process the offline rehost response file** and click **Browse** to locate the file.

Figure 53 - Offline License Transaction Steps window

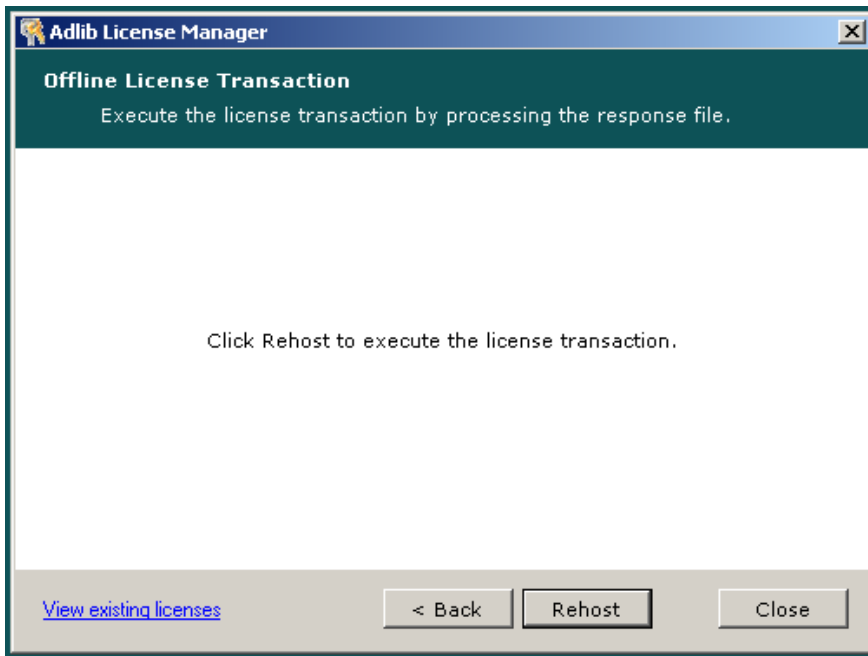


10. In the *Offline License Transaction* window, click **Rehost** to temporarily return the license to the Adlib License server.



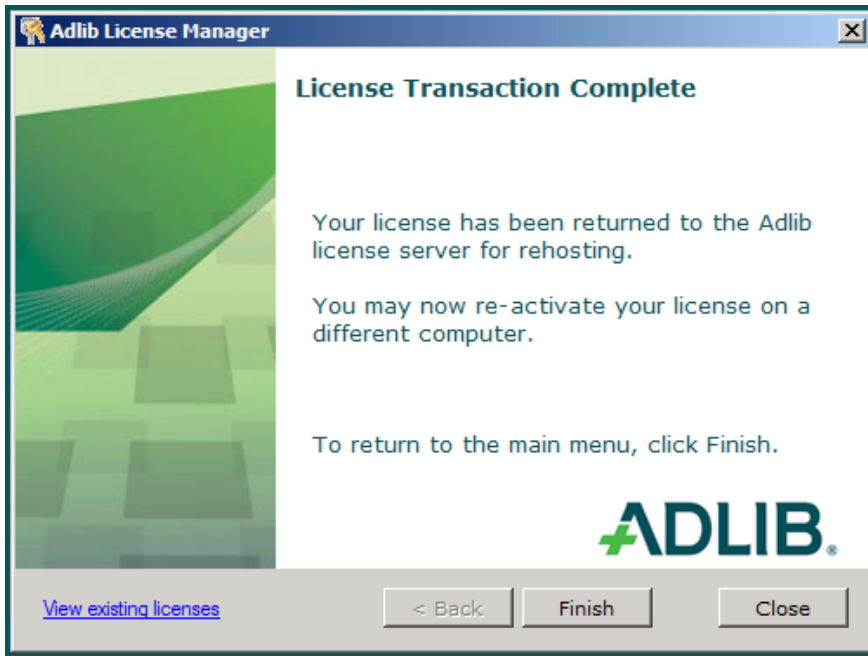
The **Transformation Engine** must be stopped using the **Process Manager** before performing any type of license transaction. For more details on stopping and restarting the service, see the Adlib PDF User Guide.

Figure 54 - Offline License Transaction window



11. When the license has been rehosted, click **Finish** to return to the main menu of the Adlib License Manager or **Close** to exit the application.

Figure 55 - License Transaction Complete window



Once the rehost has completed, the Adlib **Transformation Engine** will return to Evaluation mode with the time remaining from the original Evaluation start date.

Adlib PDF can now be uninstalled from the original machine and installed on a new machine or rather, modifications can be made to the original server. For detailed uninstallation and instructions, see [Uninstallation and Modification](#). The original license can then be activated on the new machine or on the modified, original machine (see [To Activate a License Online](#)).

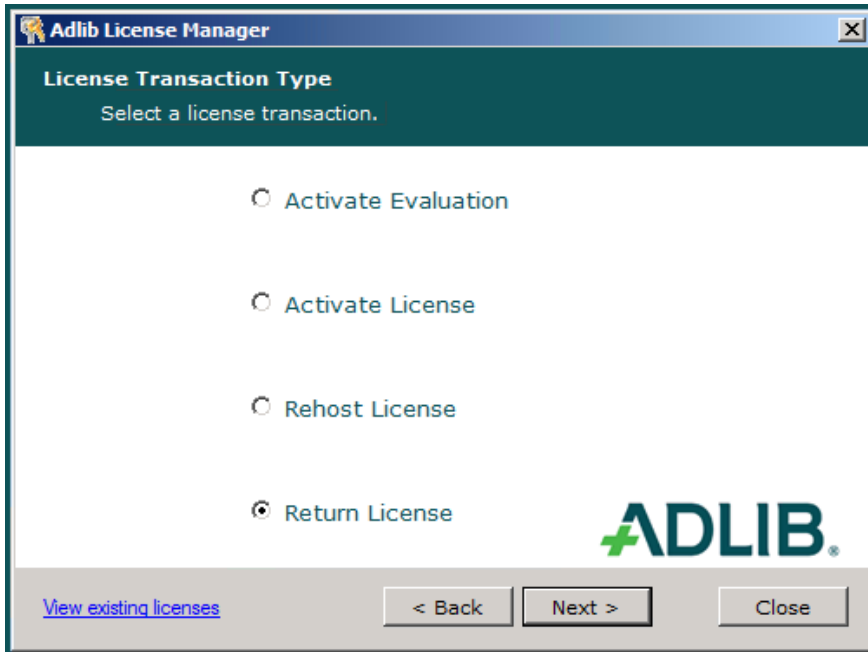
Return License - Online

The Return License transaction permanently returns a license to the Adlib license server.

↓ **To Return a License Online:**

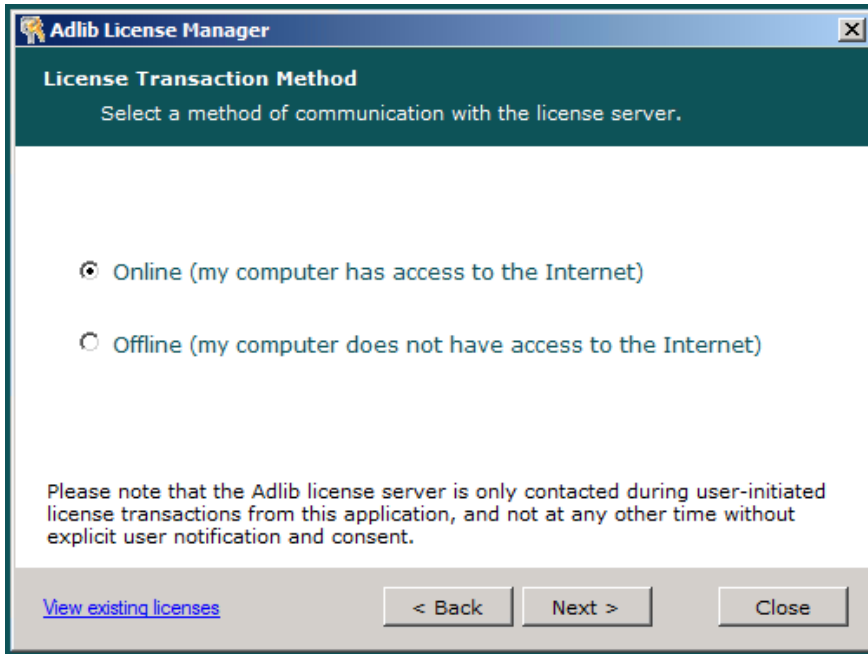
1. In the *License Transaction Type* window, select **Return License** and click **Next**.

Figure 56 - License Transaction Type window



2. In the *License Transaction Method* window, select **Online** and click **Next**.

Figure 57 - License Transaction Method window



3. In the *Activation ID* window, type the **Activation ID** for the license to be returned and click **Next**.



The Activation IDs for all licenses currently in use can be viewed by clicking the **View Existing Licenses** link in the lower left of the Adlib License Manager windows.

Figure 58 - Existing Licenses window

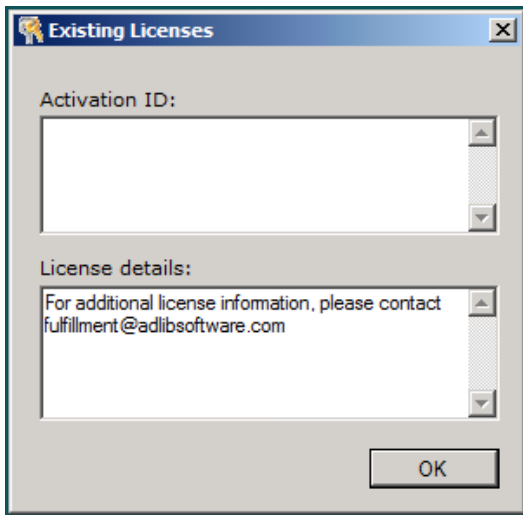
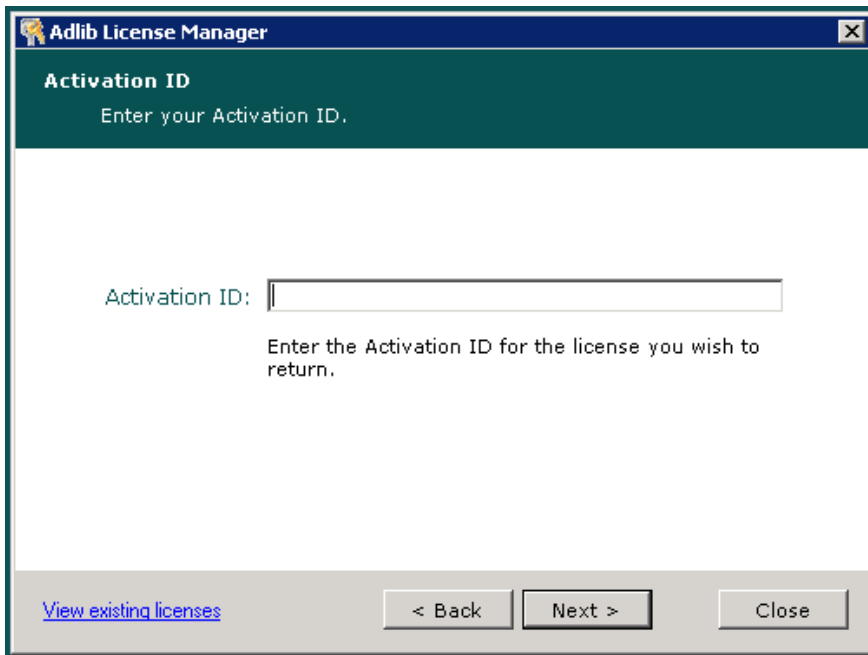
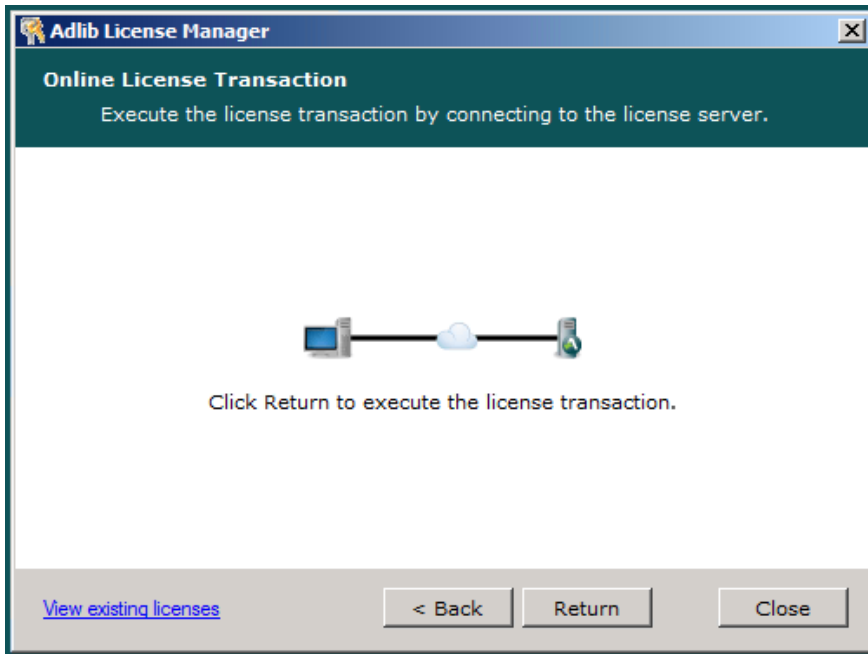


Figure 59 - Activation ID window



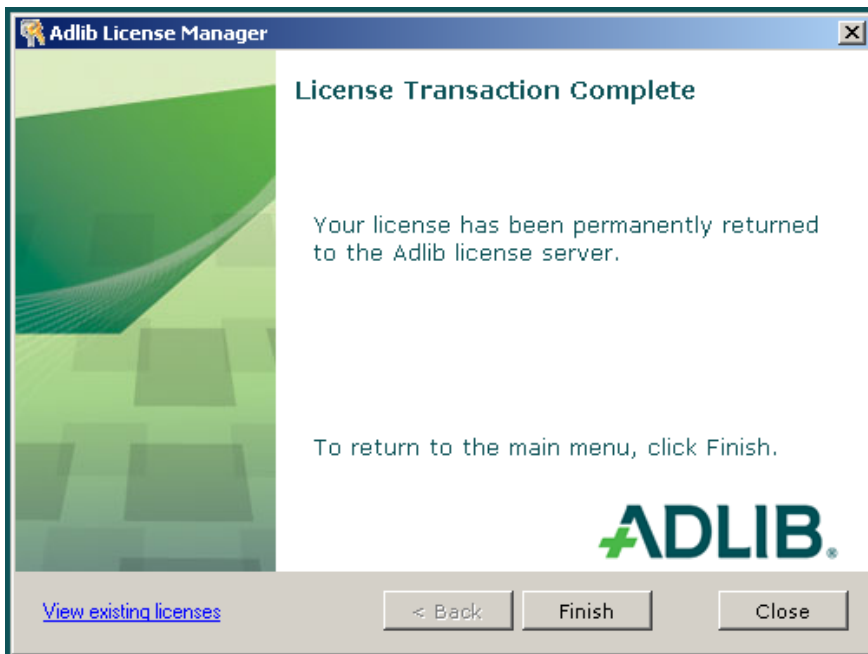
4. In the *Online License Transaction* window, click **Return** to permanently return your license to the Adlib License server.

Figure 60 - Online License Transaction window



5. When the license has been returned, click **Finish** to return to the main menu of the Adlib License Manager or **Close** to exit the application.

Figure 61 - License Transaction Complete window





Once the return has been completed, Adlib **Transformation Engine** returns to Evaluation mode with time remaining from the original Evaluation start date.

If desired, Adlib PDF can now be uninstalled. For detailed uninstallation instructions, see [Uninstallation and Modification](#).

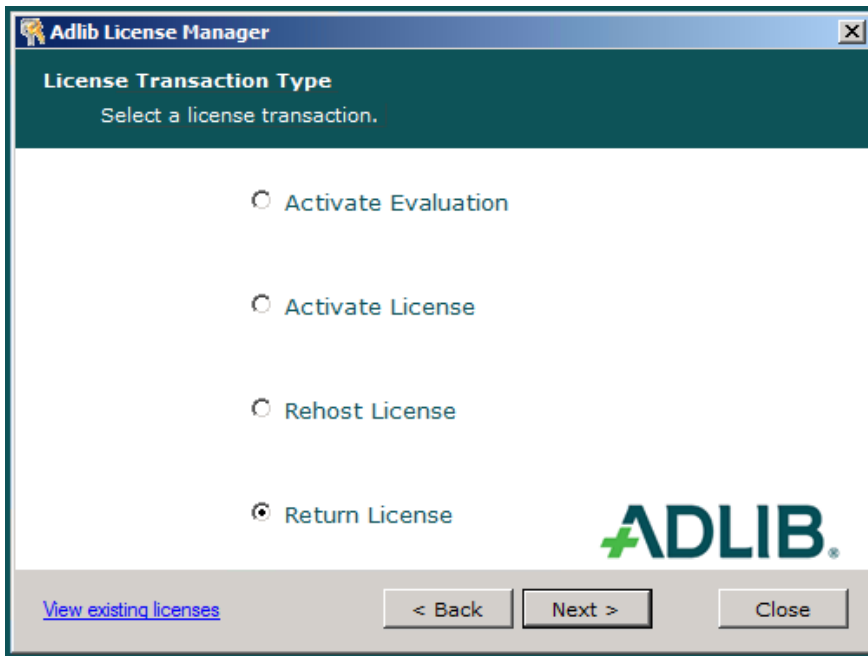
Return License - Offline

Licenses can be returned offline by generating a return request file and transmitting it online to the Adlib license server on an alternate computer or by email to Adlib customer service.

↓ To Return a License Offline:

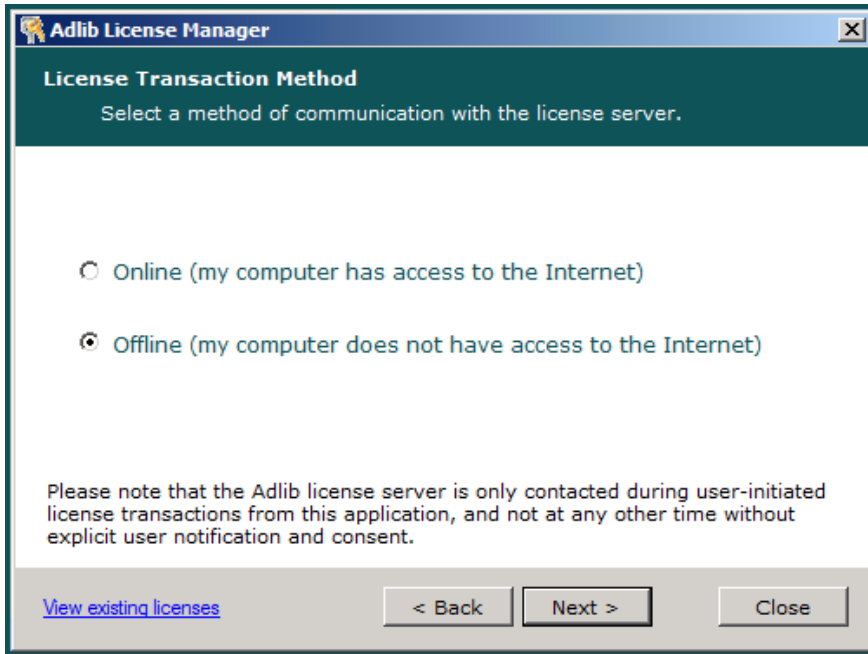
1. In the *License Transaction Type* window, select **Return License** and click **Next**.

Figure 62 - License Transaction Type window



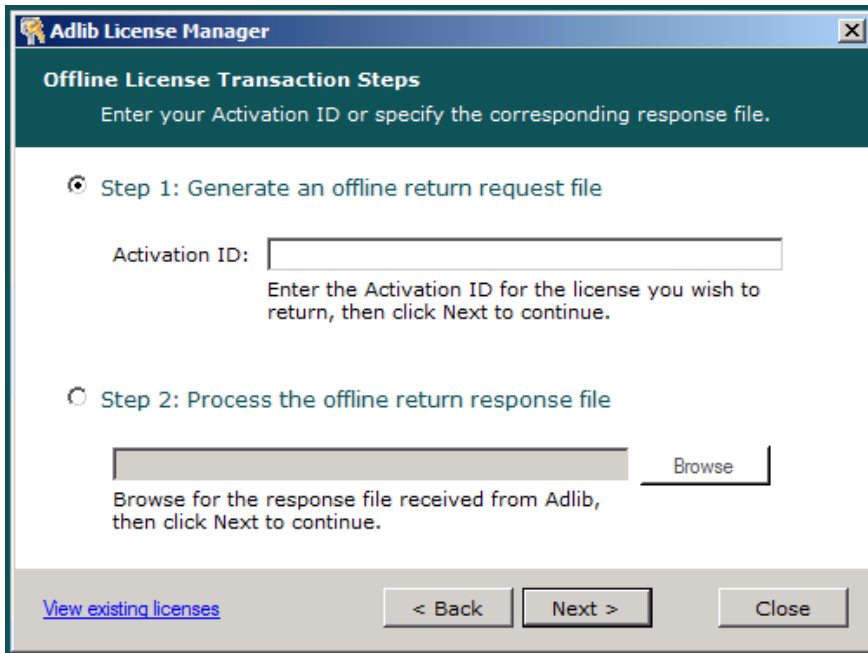
2. In the *License Transaction Method* window, select **Offline** and click **Next**.

Figure 63 - License Transaction Method window



3. In the *Offline License Transaction Steps* window, select **Step 1: Generate an offline return request file**.
4. Type the **Activation ID** provided by Adlib Fulfillment and click **Next**.

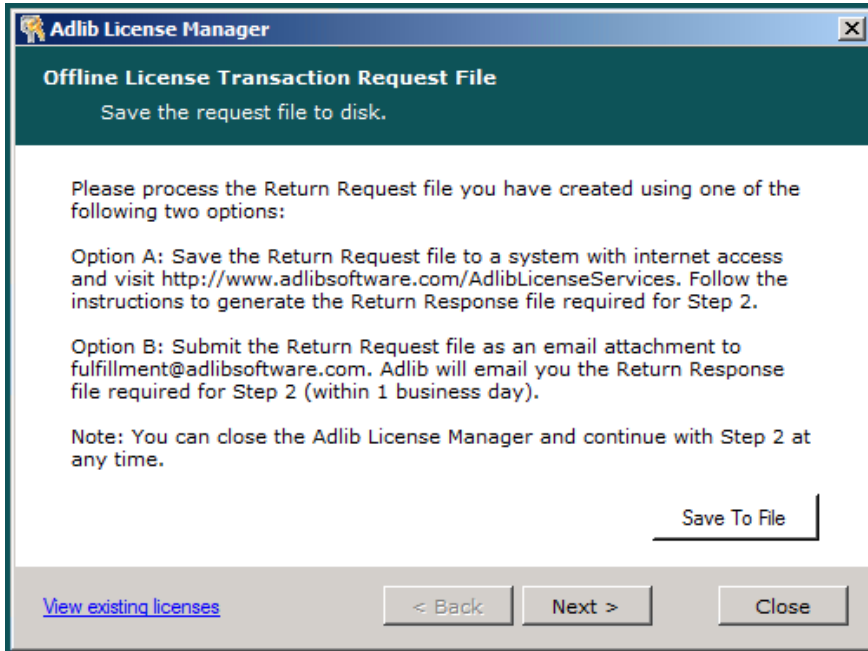
Figure 64 - Offline License Transaction Steps window



The screenshot shows a window titled "Adlib License Manager" with a sub-header "Offline License Transaction Steps". Below the sub-header is the instruction "Enter your Activation ID or specify the corresponding response file." There are two radio button options: "Step 1: Generate an offline return request file" (which is selected) and "Step 2: Process the offline return response file". Under Step 1, there is a text input field labeled "Activation ID:" with a placeholder box. Below the field is the instruction "Enter the Activation ID for the license you wish to return, then click Next to continue." Under Step 2, there is a file selection area with a "Browse" button. Below this is the instruction "Browse for the response file received from Adlib, then click Next to continue." At the bottom of the window, there is a navigation bar with a link "View existing licenses", and three buttons: "< Back", "Next >", and "Close".

5. In the *Offline License Transaction Request File* window, click **Save to File** and choose a location to save the file to your computer.
6. Click **Next**.

Figure 65 - Offline License Transaction Request File window



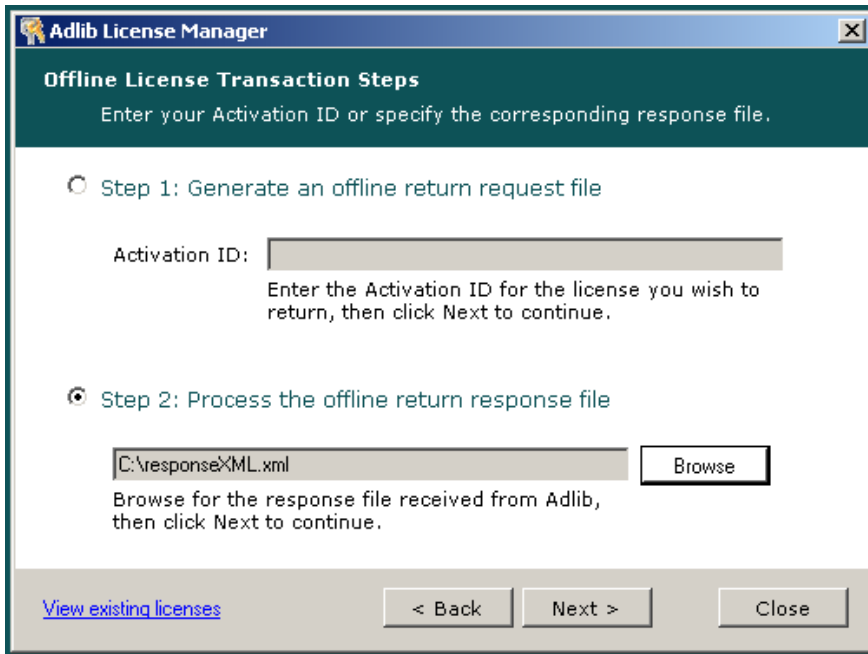
7. The file must then be processed using one of the following methods:
 - Copy the Return Request file to a system connected to the internet and access <http://www.adlibsoftware.com/AdlibLicenseServices>. A Return Response file can be generated from this website for the next step in the Return process.

Or,

 - Submit the Return Request file via email to fulfillment@adlibsoftware.com. A Return Response file sent by Adlib (within one business day) can then be used in the next step to complete the license transaction. The Adlib License Manager can be reopened to continue with the next step at anytime.
8. Once the response file is received, copy it to the system where the Adlib **Transformation Engine** is installed.

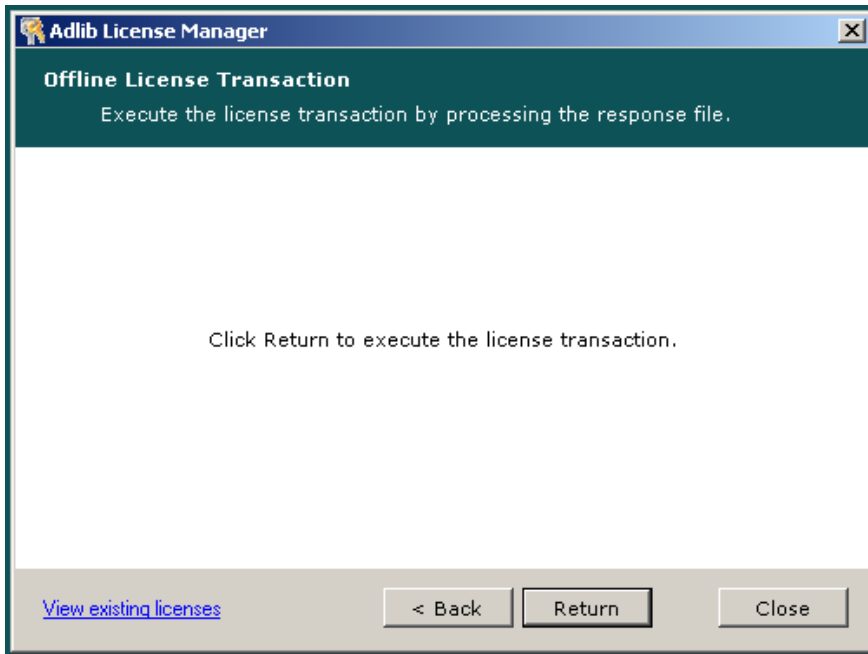
9. In the *Offline License Transaction Steps* window, select **Step 2: Process the offline return response file** and click **Browse** to locate the file.

Figure 66 - *Offline License Transaction Steps* window



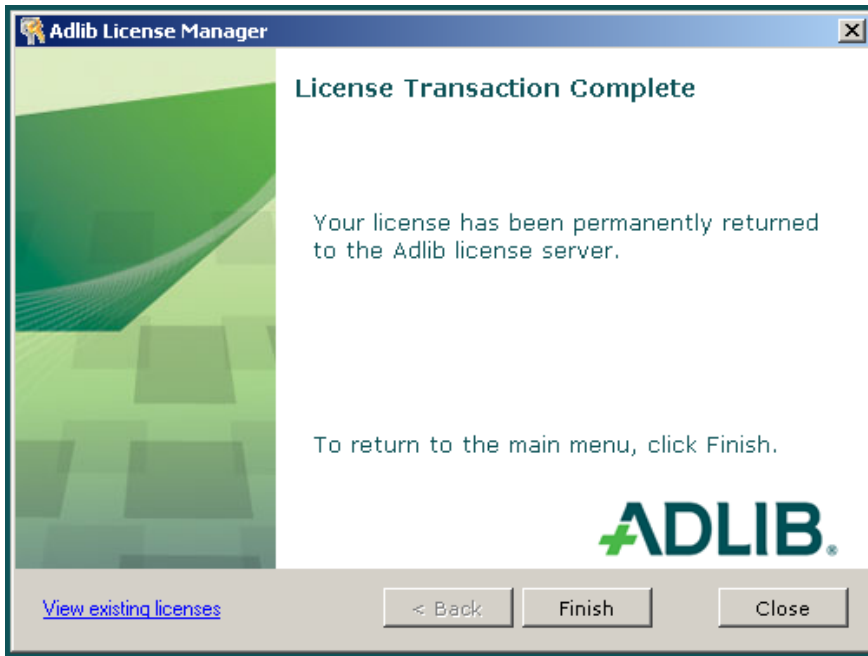
10. In the *Offline License Transaction* window, click **Return** to permanently return the license to the Adlib License server.

Figure 67 - Offline License Transaction window



11. When the license has been returned, click **Finish** to return to the main menu of the Adlib License Manager or **Close** to exit the application.

Figure 68 - License Transaction Complete window



Once the return has completed, the Adlib **Transformation Engine** returns to Evaluation mode with remaining time from the original Evaluation start date.

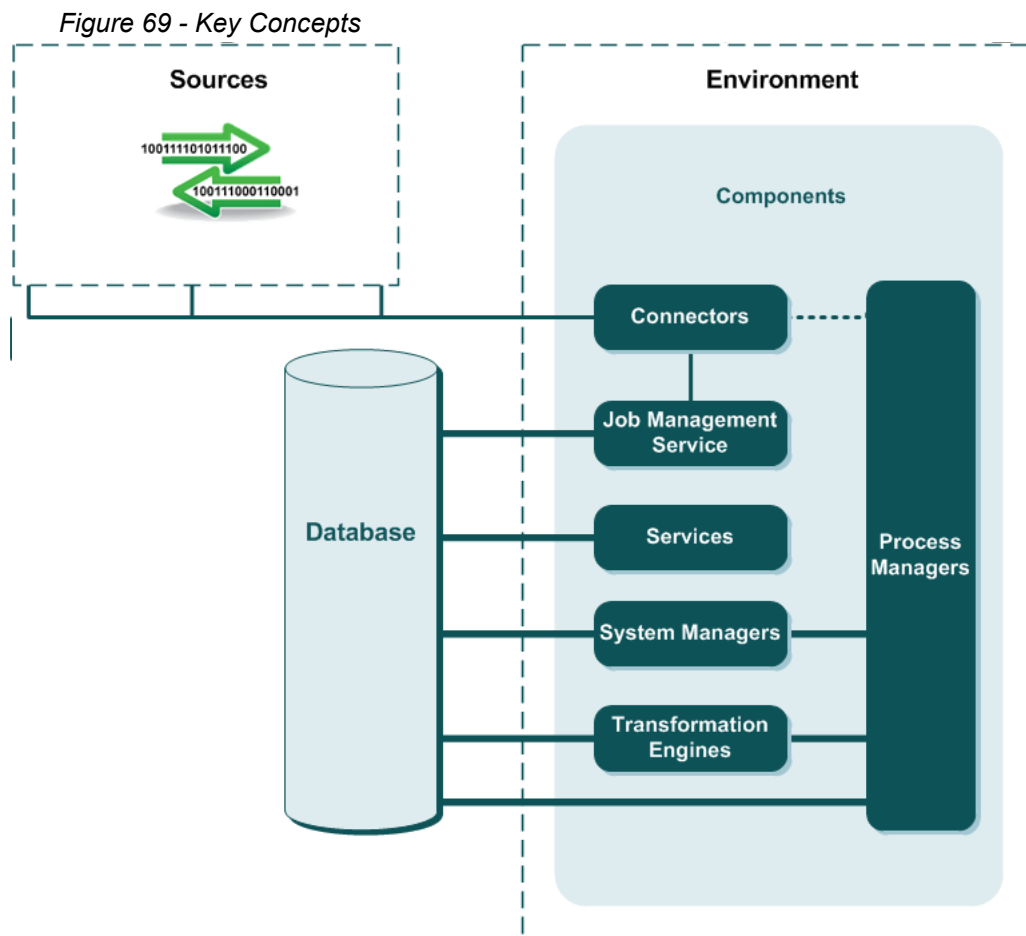
If desired, Adlib PDF can now be uninstalled. For detailed uninstallation instructions, see [Uninstallation and Modification](#).

Key Concepts

The process of document transformation begins when a Connector detects input in a Source repository that it is monitoring. When a new job becomes available, the Connector extracts the content from the Source and submits it to the Job Management Service. The Job Management Service submits the accepted job to the database.

The System Manager is constantly polling the database for jobs it can process. When a new job is detected, the System Manager creates a job ticket and submits the ticket to the database. The Transformation Engine picks up the job, performs the transformation according to the job ticket and writes the completed job back to the database. The Connector, which has been polling the database for completed jobs, uploads the transformed job into the Source output folder or repository.

In addition to the Components that perform content transformation, Adlib PDF contains a Process Manager whose role it is to stop, start and monitor the Transformation Engine, Connector(s) and System Manager. The System Manager also monitors the health of Adlib PDF Components and reports alerts to the system administrator.



Components

Adlib PDF comprises several Components to interface with users, manage jobs, perform transformations, monitor services, and report system and job status. Adlib PDF includes the following Component types:

Connectors

A Connector Component monitors a Source for content, submits the content as a job to Adlib PDF, and receives completed job output.

Different types of Connectors integrate with various Source types:

- The **Generic Connector** integrates with the Web Service interface. Please see the Adlib PDF Integration Guide for more information on how to integrate using the Generic Connector.

Job Management Service

This is a service interface within Adlib PDF used to submit and receive Jobs. It is called by Connectors and custom integrations.

Logger

This Component logs data into the Adlib PDF database.

Process Manager

This Component controls individual processes on a single machine within the Adlib system. Its role is to start, stop, monitor, and restart the processes assigned to it.

There is one Process Manager Component installed on each machine on which any Adlib Components, such as Folder Connector, are installed.

Services

This is a layer of communication services used primarily by the Management Console.

System Manager

This Component manages jobs and monitors all Adlib PDF Components. It prepares jobs for the Transformation Engine by executing the appropriate Transformation Rule Sets. It also monitors the health of Components and issues alerts to the System Administrator.

Transformation Engine

This Component performs the transformation of content.

Uninstallation and Modification

Users can perform a complete uninstallation of the entire Adlib PDF system, including all of the installed Components, or if desired, users can modify an existing installation of Adlib PDF by uninstalling selected Components or by adding new Components to the current configuration. For more information on a multi-server deployment of Adlib PDF, [Contact Adlib](#).

Complete Uninstallation

↓ To Perform a Complete Uninstallation:

1. On the Windows Start menu, select **Control Panel**, then **Programs and Features**. Select **Adlib** and click **Uninstall**.



Before performing an uninstallation of Adlib PDF, ensure that Process Manager Services have been stopped.

2. In the *Adlib-InstallShield Wizard* window, type the “sysadmin” account Password that was used in the installation of Adlib PDF and ensure that the default Services URL is the URL that hosted the Adlib Services. Click **Next**.

Figure 70 - Adlib - InstallShield Wizard Window

Adlib - InstallShield Wizard

Specify the password that you will use to unregister components from the Adlib Management Console.

Username: sysadmin

Password: ●●●●●●●●

Confirm Password: ●●●●●●●●

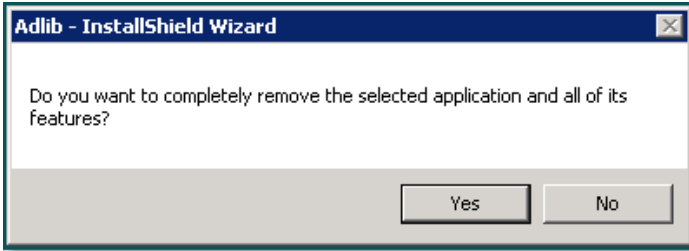
Services URL: http://[HostName]/Adlib

InstallShield

< Back Next > Cancel

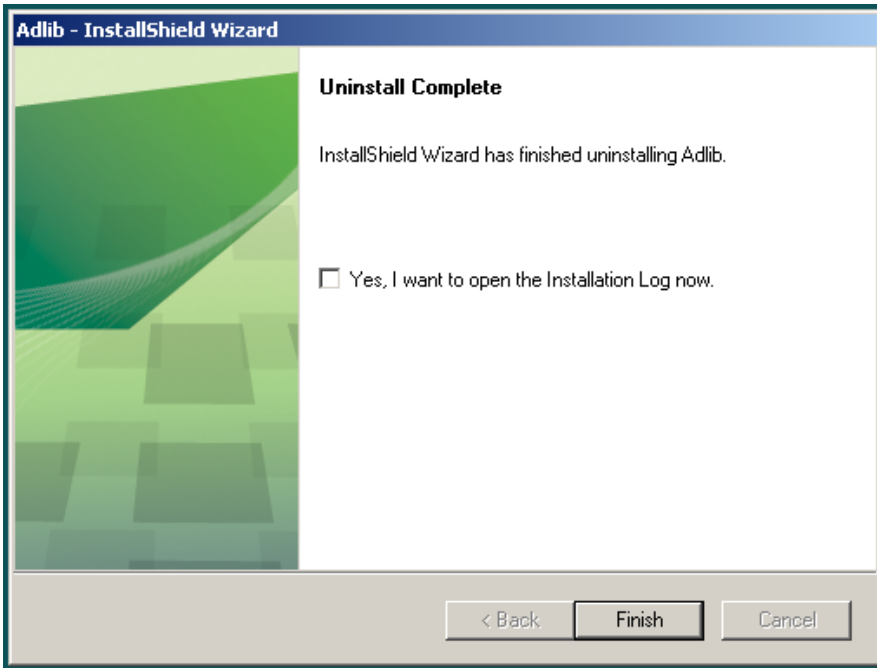
3. To begin the uninstallation, click **Yes** in the confirmation pop-up.

Figure 71 - Uninstall Confirmation pop-up



4. In the *Uninstall Complete* window, click the checkbox if you wish to view the Installation Log, and click **Finish** to complete the uninstallation.

Figure 72 - Uninstall Complete Window



Modification

During modification, a user can choose to uninstall one or more existing Components or add a new Component to the system.

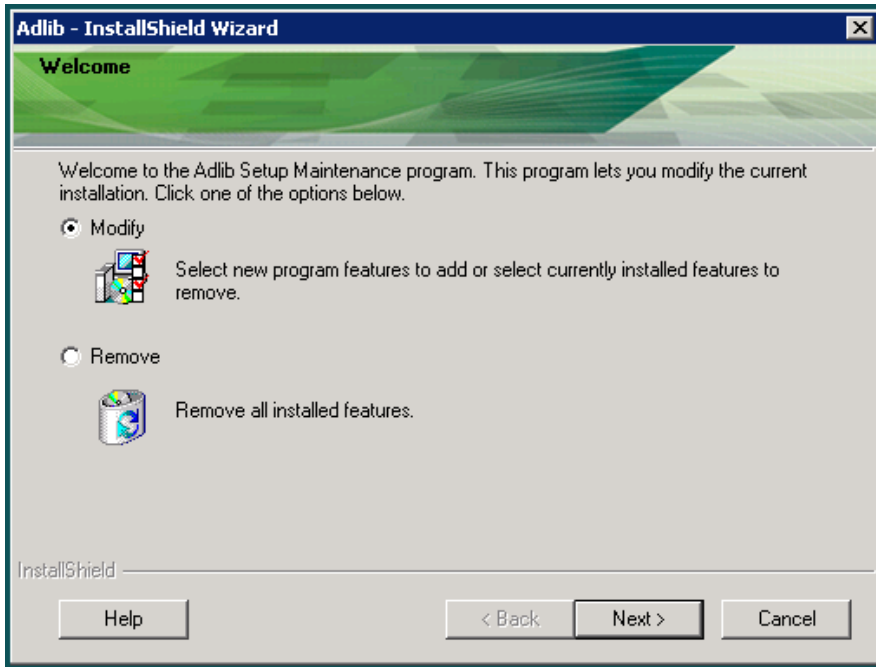


Before uninstalling a Component, ensure that Process Manager Services have been stopped, and that the Component is no longer assigned to an Environment in the Adlib Management Console. For more information, see the Adlib PDF User Guide.

↓ **To Uninstall one or more Components:**

1. On the Windows Start menu, select **Control Panel**, then **Programs and Features**. Select **Adlib** and click **Change**.
2. In the *Adlib Setup Maintenance* window, click **Modify**.

Figure 73 - Adlib Setup Maintenance window

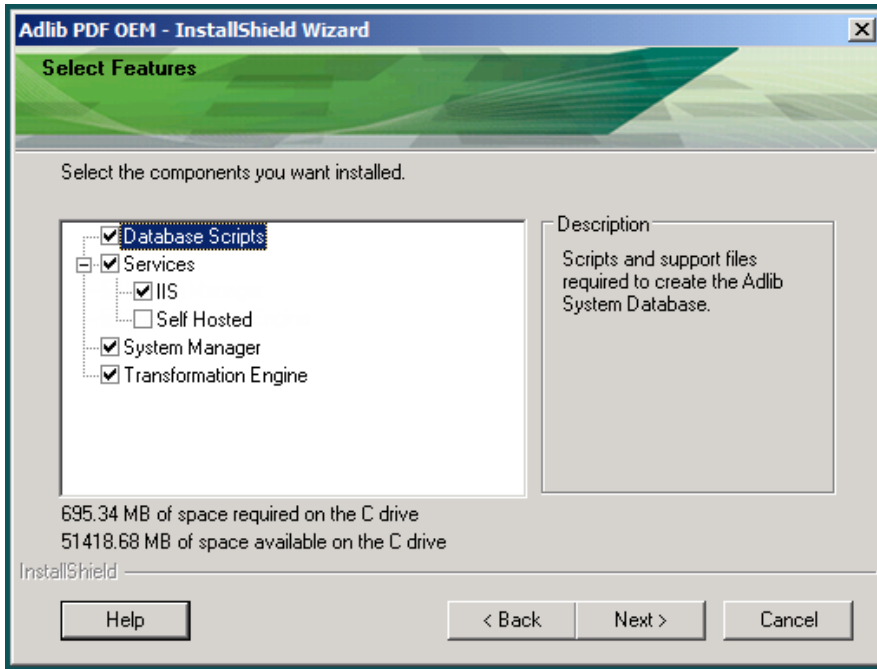


3. In the *Select Features* window, deselect the features to be removed from the system and click **Next**.



The checkboxes for the features that are currently installed will show as selected.

Figure 74 - *Select Features* window



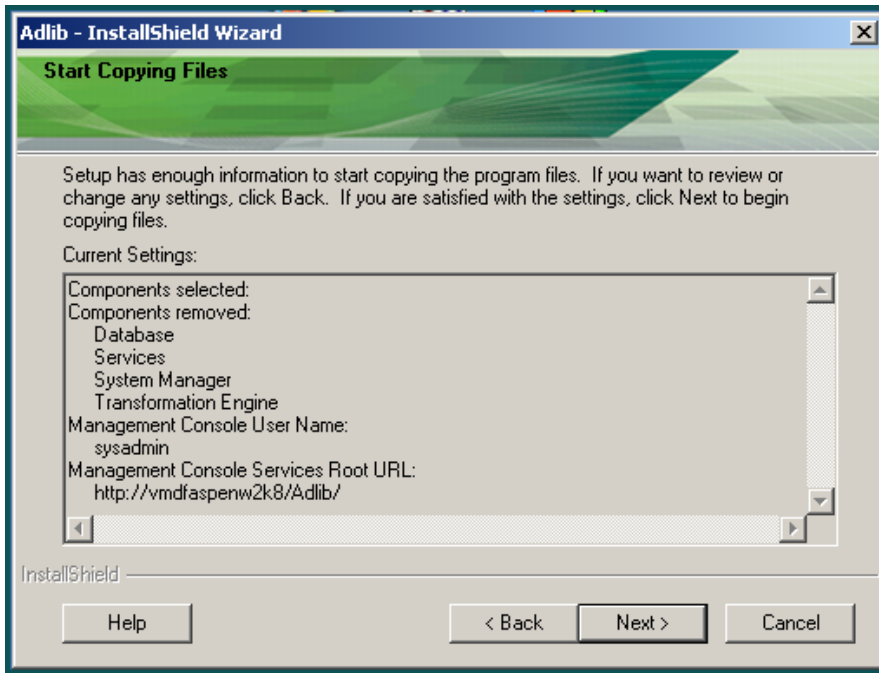
4. Provide additional Component information as required.



Additional information may be required for the deregistration process, such as the user credentials specified during installation, according to the Component chosen to remove.

5. The Components selected to be removed will be listed in the *Start Copying Files* window. Click **Next** to proceed with the removal. The selected Components will be removed from Adlib PDF.

Figure 75 - Start Copying Files Window

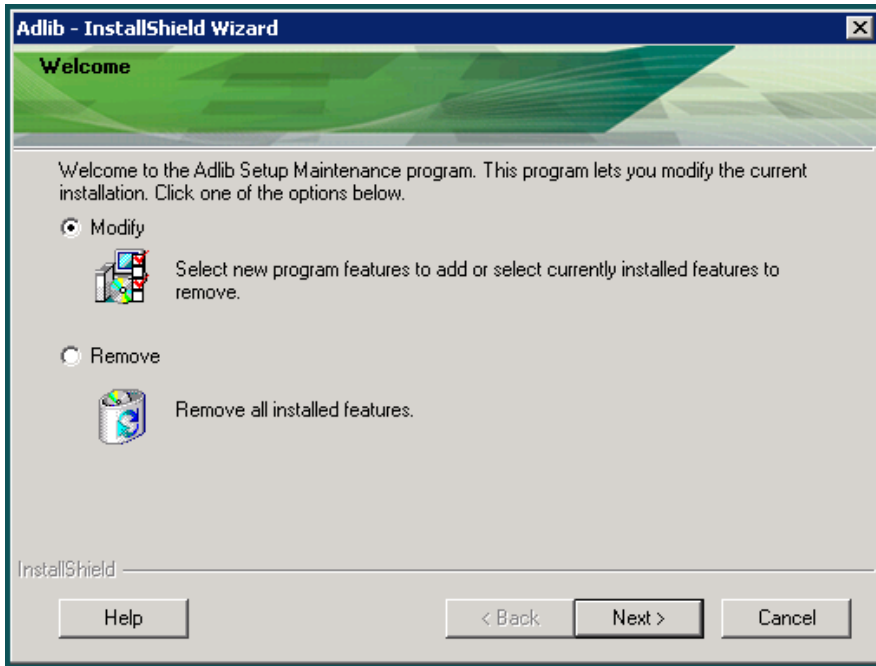


↓ To Install a New Component:

1. On the Windows Start menu, select **Control Panel**, then **Programs and Features**. Select **Adlib** and click **Change**.

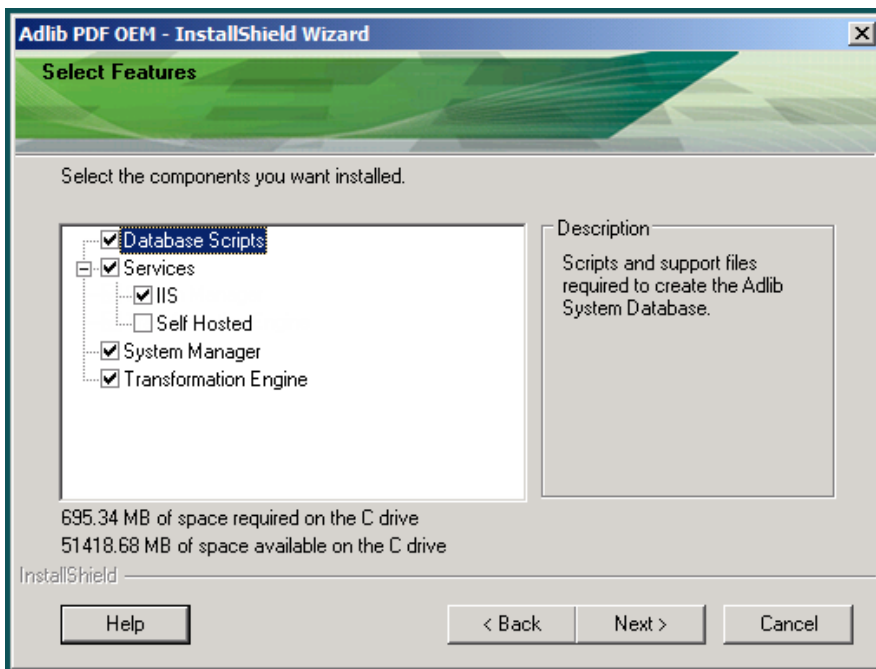
2. In the *Adlib Setup Maintenance* window, click **Modify**.

Figure 76 - *Adlib Setup Maintenance* window



3. In the *Select Features* window, select the features to be added to the system and click **Next**.

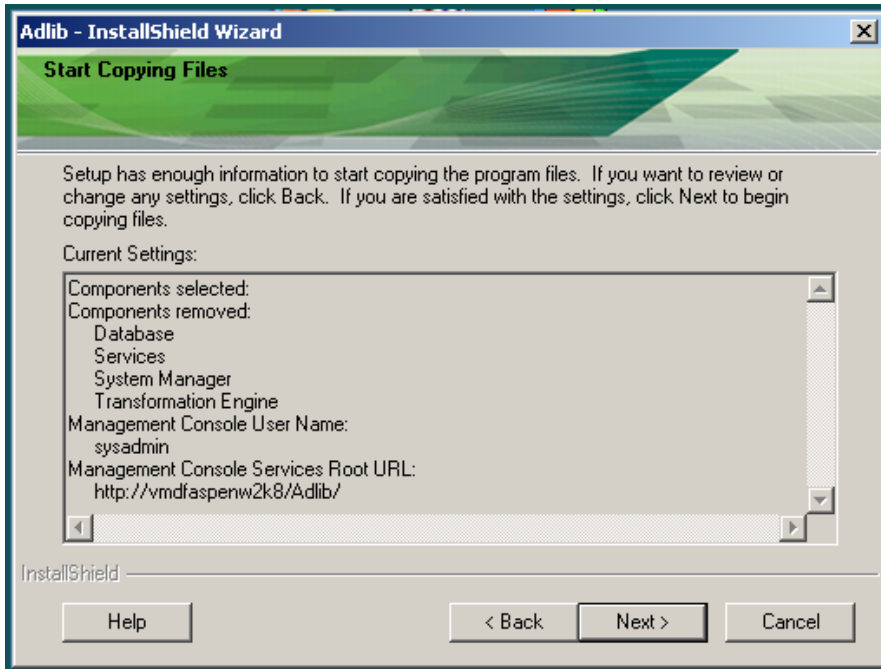
Figure 77 - *Select Features* window



4. Provide additional Component information as required.

5. The Components selected to be installed will be listed in the *Start Copying Files* window. Click **Next** to proceed with the installation of the Component(s). The selected Component(s) will be added to Adlib PDF.

Figure 78 - Start Copying Files Window



Appendix A: Content Transformation Viewers and Supported File Types

Adlib PDF provides automated document conversion of over 300 file types to PDF, Text, and Image. During content rendering, the Transformation Engine uses a "viewer" in preparation for transformation to the specified format. In order to select the appropriate rendering viewer, the Transformation Engine must first identify the file type being converted by reading the header and/or the file extension. Once the file type has been identified, the document is rendered and output to the format specified in the Rule Setting.

Native Application Support (NAS)

Adlib PDF supports native applications (e.g. Microsoft Excel) as viewers which are used to render their associated document types (e.g. xls) during the transformation process. This method ensures the highest rendering accuracy and is recommended for complex documents such as word processing files that contain tables, graphics, etc. In order to ensure the best quality output, it is recommended that all native applications be installed on the Transformation Engine servers that will process those files.

Although it is not strictly necessary, for more precise control of document rendering the user can include a "native application viewer-specific" Rule Setting within the Instruction Set that will be used to process those file types. These Rule Settings control attributes that are specific to the native application viewer and affect how the associated file types will be rendered.

For example, using the Rule Setting "ConvertToPdf/MicrosoftWord", the user can control elements such as the compression of images, the embedding of fonts, and the creation of content bookmarks.

A list of the Rule Settings associated each supported native application is displayed below.



Some file types can only be rendered using native application support. See the [Supported File Types](#) table for details.

Supported Native Applications and Associated Rule Settings

This table contains a list of the native applications that are currently supported; additional applications (and versions) are always being added. The level of support is also indicated for each version/format of the application.

The levels of support for native applications include:

Level of Support	Definition	Notes
Certified (C)	Extensively tested.	This is the recommended version, edition, language, service pack, etc.
Supported (S)	Known to work, however not subject to the same degree of testing as Certified.	We provide support for these versions, editions, languages, etc., but do not test as thoroughly.

Level of Support	Definition	Notes
Partially Supported (P)	Is expected to work. We will provide our best effort to support.	These are versions, editions, languages, etc., that are being phased out by their vendor and/or are limited in functionality. This level of support can also be assigned to brand new releases that are yet to be fully validated for use with Adlib PDF.



This table refers to only the English versions of each application. Alternative language versions of these applications are not officially supported by Adlib PDF.

Mfgr	Application	Version/Format	Support	Category/Rule Setting(s)
Autodesk	Inventor	2014 (64-bit)	C	ConvertToPdf/InventorExport
	Inventor View	2013 SP2 ⁶	C	ConvertToPdf/InventorView
Corel	WordPerfect	X7	C	ConvertToPdf/CorelWordPerfect
Ghostscript	Ghostscript	7.04 to 8.15 (32-bit only)	S	ConvertToPdf/GhostscriptExport
Microsoft	Excel ⁴	2007 ²	C	ConvertToHtml/MicrosoftExcelExport
		2010 ⁵	C	ConvertToPdf/MicrosoftExcel
		2013 ⁵	C	ConvertToXps/MicrosoftExcelExport
		2016 ^{5,7}	P	
Microsoft	InfoPath	2007	C	ConvertToPdf/MicrosoftInfoPath
		2010 ⁵	C	
		2013 ⁵	C	
Microsoft	Internet Explorer	8.0	C	ConvertToPdf/MicrosoftInternet Explorer
		9.0	C	
		10.0	C	
		11.0	C	
Microsoft	Outlook	2007 ²	C	ConvertToPdf/MicrosoftOutlook
		2010 ⁵	C	
		2013 ⁵	C	
Microsoft	PowerPoint ⁴	2007 ²	C	ConvertToHtml/MicrosoftPowerPoint Export
		2010 ⁵	C	ConvertToPdf/MicrosoftPowerPoint
		2013 ⁵	C	ConvertToXps/MicrosoftPowerPoint Export

Mfgr	Application	Version/Format	Support	Category/Rule Setting(s)
		2016 ^{5,7}	P	
Microsoft	Project	2007	C	ConvertToPdf/MicrosoftProject
		2010 ⁵	C	
		2013 ⁵	C	
Microsoft	Visio	2007 ³	C	ConvertToPdf/MicrosoftVisio ConvertToPdf/MicrosoftVisioExport
		2010 ⁵	C	
		2013 ⁵	C	
Microsoft	Word ⁴	2007 ²	C	ConvertToHtml/MicrosoftWordExport ConvertToPdf/MicrosoftWord ConvertToXps/MicrosoftWordExport
		2010 ⁵	C	
		2013 ⁵	C	
		2016 ^{5,7}	P	
Microsoft	WordPad	5.x	P	ConvertToPdf/MicrosoftWordPad
		6.x	C	
Apache	OpenOffice.Org (Calc, Impress, Writer, Draw, Math)	4.1.1	C	ConvertToPdf/OpenOfficeExport

Native Application Notes:

1. Internal content hyperlink creation not supported for WordPerfect.
2. Microsoft Office 2007 Service Pack 2 required.
3. Microsoft Visio 2007 Service Pack 2 required.
4. It is recommended that the Save AutoRecover options within Word, Excel and PowerPoint be disabled.
5. Support is currently available for only the 32-bit versions of Microsoft Excel, InfoPath, Outlook, PowerPoint, Project, Visio and Word.
6. AutoDesk Inventor View must be installed and run once with the same user the Transformation Engine will run under.
7. Support added in Adlib PDF 5.4.2.

Adlib Viewer Support

Adlib viewers are installed with the Transformation Engine and are used to render Text (non-unicode), Images, HPGL, MSG and PDF file types. This method ensures the highest rendering accuracy and efficiency for these document types.

If desired, users can use the File Type-specific Rule Settings to maintain control over specific aspects of the rendering of these file types, however in the absence of these Settings, the Transformation Engine will automatically process these files with an Adlib Viewer using system defaults.

Adlib Viewer Supported File Types and Associated Rule Settings

Input File Type	Output File Type	Category/Rule Setting
PDF	HTML	ConvertToHtml/Pdf
PDF	JPEG	ConvertToJpeg/Pdf
CAD ¹	PDF	ConvertToPdf/CAD ConvertToPdf/CAD2
Image ²	PDF	ConvertToPdf/Image
OCR ²	PDF	ConvertToPdf/Ocr
Text (non-unicode)	PDF	ConvertToPdf/Text
XSL-FO	PDF	ConvertToPdf/XslFo
PDF	Png	ConvertToPng/Pdf
PDF	Text	ConvertToText/Pdf
PDF	Tiff	ConvertToTiff/Pdf
PDF	Cals	ConvertToCals/Pdf
PDF	Gif	ConvertToGif/Pdf
PDF	Xps	ConvertToXps/Pdf

Adlib Viewer Notes:

1. Requires Adlib PDF CAD module license. For specific Rule Settings information, please see the Adlib PDF Technical Reference Guide.
2. For a list of all supported Image and OCR input file types see the [Supported File Types](#) table.

Generic Viewer Support

The Generic viewer is installed with the Transformation Engine and supports the rendering of hundreds of file types. This method ensures rendering efficiency without requiring additional software to be installed on the computer performing the conversion. The Generic method renders simple documents accurately but may not render complex documents as well as the native application used to create the document. We recommend that customers process a number of documents using both the Generic and NAS methods to identify the method which is most suitable.

The Generic viewer Rule Setting, "ConvertToPdf/Generic" enables users to control the use of embedded fonts and image compression and resolution where required. This setting can also be used to direct Adlib PDF to substitute the Generic viewer for a native application viewer in the case where a native application will not be installed on the Transformation Engine server used to transform the file.

For a list of all file types that are currently supported by the Generic viewer, see the [Supported File Types](#) table.

Supported File Types Table - Levels of Support

The supported file types table indicates the level of support for the rendering of each version/format of the files, according to the viewer(s) used to process that file.

The levels of support for file formats include:

Level of Support	Definition	Notes
Certified (C)	Extensively tested and fully supported.	Rendition quality of the output file is nearly if not perfectly identical to the input document under all circumstances.
Supported (S)	Known to work; format not as thoroughly tested as Certified formats.	Possible minor issues in output quality compared to the original input document is possible in some rare circumstances.
Partially Supported (P)	Expected to work but not fully tested.	Formats that may have known limitations and/or produce a noticeably lower level of output quality when compared to the original input document in some or all circumstances. Variations in the input document, for example a seldom used compression format within an image file, may cause output quality problems or fail to render.

Supported File Types

File Type	File Extensions	Versions/Formats	NAS	Adlib	Generic
Adobe Acrobat	PDF	All		C	
Adobe Framemaker	MIF	6.0			P
Adobe Framemaker	FMV	Vector/raster to 5.0			P
Adobe Illustrator	AI	1.0 to 7.0, 9.0, CS3			C
Adobe Photoshop	PSD	4.0, CS3			C
Ami Draw	SDW	Ami Draw			P
ANSI Text	TXT	7 & 8 bit		C	
AutoCAD Interchange	DXF	2013 and below		C ¹	
AutoCAD Native Drawing	DWG	2013 and below		C ^{1,17}	
AutoDesk Inventor files	IDW	2014 and below	C ¹		
AutoShade Rendering	RND	2.0			P
Bentley MicroStation Drawing	DGN	8.9, 8.5, 8.1, and below		C ¹	
Binary Group 3 Fax		All			P
Bitmap	BMP, ICO, DIB			C	
CALS Group IV	CAL, CG4, MIL, ODA, C4	Type I, Type II			C
CAMCAD	CC			P ¹	
CIT Intergraph Group IV	CIT	All		P ¹	
Computer Graphics Metafile	CGM	ANSI, CALS			C
Corel Draw	CDR with TIFF header	2.0 to 9.0			C
Corel Draw	CDR	6.0 to 12.0			C
Corel/Novell Quattro Pro		1.0 to 12.0			P
Corel/Novell WordPerfect	WPD, WP5	1.0 to 12.0, X3			P
Corel WordPerfect	WPD	1.0 to 12.0, X3 to X7	C		
DataEase		4.x			P
dBASE		1.0 to 5.0			P
dBXL		1.3			P

File Type	File Extensions	Versions/Formats	NAS	Adlib	Generic
Dassault CATIA	CATDrawing	v5		C ¹	
DEC WPS Plus	DX	1.0 to 4.0			P
DEC WPS Plus	WPL	1.0 to 4.1			P
DG Auto-trol Vector	DG			P ¹	
DisplayWrite 2 & 3	TXT	All			P
DisplayWrite 4 & 5		1.0 to 2.0			P
Enable		3.0, 4.0, 4.5			P
Encapsulated PostScript	EPS ¹⁵	TIFF header only			S ⁸
Executable	EXE, DLL				C ⁶
Extensible Markup Language	XML, XSL	All	C ⁴		
First Choice		1.0 to 3.0			P
FoxBase		2.1			P
Framework		3.0			P
Freelance for OS/2	All				P
GEM Paint	IMG				P
Graphics Environment Manager	GEM	Bitmap & vector			P
Graphics Interchange Format	GIF			C	
GZIP Compression Utility	GZ				P
Harvard Graphics for DOS		2.x, 3.x			P
Harvard Graphics for Windows	PRS	All			P
Hewlett Packard Graphics Language	HP, HPGL, HGL, HPG, PLT, 000, HPGL, HPGL/2			C	
Hewlett Packard ME10	CMI, MI	13 and below		P ¹	
Hypertext Markup Language	HTM, HTML	1.0 to 3.0	C		C
Hypertext Markup Language	HTM, HTML, CSS	All	C ³		

File Type	File Extensions	Versions/Formats	NAS	Adlib	Generic
IBM FFT		All			P
IBM Graphics Data Format	GDF	1.0			P
IBM Picture Interchange Format	PIF	1.0			P
IBM Revisable Form Text		All			P
IBM Writing Assistant		1.01			P
Initial Graphics Exchange Specification	IGES	5.2		p ¹	P
Joint Photographic Experts Group	JPG, JPEG, JPE			C	
JPEG 2000	J2K, JP2				C
JustSystems Ichitaro		5.0, 6.0, 8.0, 9.0			P
JustWrite		1.0 to 3.0			P
Kodak Flash Pix	FPX				P
Kodak Photo CD	PCD	1.0			P
Legacy	LEG	1.0 to 1.1			P
Lotus 1-2-3 (DOS & Windows)	WK1, WK3, WK4, WKS	1.0 to 5.0			S
Lotus 1-2-3 (OS/2)	1.0 to 2.0				S
Lotus 1-2-3 Charts (DOS & Windows)	WK1, WK3, WK4, WKS	1.0 to 5.0			S
Lotus 1-2-3 SmartSuite	WK1, WK3, WK4, WKS	1.0 to 5.0			S
Lotus AMI/AMI Professional		1.0 to 3.1			P
Lotus Manuscript		2.0			P
Lotus PIC					P
Lotus Snapshot		All			P
Lotus Symphony		1.0, 1.1, 2.0			P
Lotus Word Pro	LWP, MWP	96 to 9.8			S
LZA Self Extracting Compress					P
Macintosh PICT1 & PICT2		Bitmap only			P

File Type	File Extensions	Versions/Formats	NAS	Adlib	Generic
MacPaint	PNTG				P
MacWrite II		1.1			P
MASS11	M11	1.0 to 8.0			P
Micrografx Designer	DRW	1.0 to 3.1			P
Micrografx Designer	DSF	6.0			P
Micrografx Draw	DRW	1.0 to 4.0			P
Microsoft Access		1.0 to 2.0			C
Microsoft Binder	OBD	7.0 to 97			P
Microsoft Excel Charts	XLC	2.x to 7.0			C
Microsoft Excel	XML	2003 ¹⁴	C		S
Microsoft Excel	XLS, XLT	97 to 2003 ¹⁴	C		
Microsoft Excel	XLS, XLT	2.2 to 2003 ¹⁴			C
Microsoft Excel	XLSX, XLTX	2007, 2010, 2013	C		C
Microsoft Excel	XLSX, XLTX	2016	P		
Microsoft Infopath	XML	2003 ¹⁴ , 2007, 2010, 2013	C		S
Microsoft Multiplan		4.0			P
Microsoft Outlook	MSG	2003 ¹⁴ , 2007, 2010, 2013	C		C
Microsoft Outlook Express Mail Message	EML		C		C
Microsoft PowerPoint	PPT, PPS, POT	97 to 2003 ¹⁴	C		
Microsoft PowerPoint	PPT, PPS	3.0 to 2003 ¹⁴			C
Microsoft PowerPoint	PPTX	2007, 2010, 2013	C ¹³		
Microsoft PowerPoint	PPTX	2016	P		
Microsoft Project		98 Text only			C
Microsoft Project		2002 ¹⁴ to 2010	C		S
Microsoft Rich Text Format	RTF	All	C ⁷		
Microsoft Snapshot Viewer	SNP	9.0 to 11 ¹⁴			P

File Type	File Extensions	Versions/Formats	NAS	Adlib	Generic
Microsoft Visio Drawing	VSD	2003 to 2010 ¹⁴	C		C
Microsoft Visio Drawing	VSDX	2013	C		
Microsoft Visio Stencil	VSS	2003 ¹⁴ to 2010	C		S
Microsoft Visio Template	VST	2003 ¹⁴ to 2010	C		S
Microsoft Visio Web Drawing	VDW	2010	C		
Microsoft Windows Write		1.0 to 3.0			P
Microsoft Word	XML	2003 ¹⁴	C		S
Microsoft Word	DOC, DOT	97 to 2003 ¹⁴	C		
Microsoft Word	DOC, DOT	1.0 to 2003 ¹⁴			C
Microsoft Word	DOCX, DOTX	2007, 2010, 2013	C		
Microsoft Word	DOCX, DOTX	2016	P		
Microsoft Works	WPS	1.0 to 4.0			P
MIME HTML	MHT		C ¹⁶		
MIME Text Mail				C	P
Mosaic Twin		2.5			P
MultiMate		1.0 to 4.0			P
Navy DIF		All			P
Nota Bene		3.0			P
Novell Quattro Pro for DOS	WB1	1.0 to 5.0			P
Nuance OmniPage/ PaperPort	MAX			C ⁹	
OpenOffice.org Calc	ODS, OTS, SXC, STC	1.0 to 4.1.1	C		C
OpenOffice.org Impress	ODP, OTP, SXI, STI	1.0 to 4.1.1	C		C
OpenOffice.org Writer	ODT, OTT, SXW, STW	1.0 to 4.1.1	C		C
OpenOffice.org Draw	ODG, OTG, SXD, STD	1.0 to 4.1.1	C		
OpenOffice.org Math	ODF, SXM	1.0 to 4.1.1	C		
Open XML Paper Specification	XPS			C	
Office Writer		4.0 to 6.0			P

File Type	File Extensions	Versions/Formats	NAS	Adlib	Generic
OS/2 PM Metafile	MET	3.0			P
Paint Shop Pro 6 Win32 only	PSP	5.0 to 6.0			P
Paradox (DOS)		1.0 to 4.0			P
Paradox (Windows)		1.0			P
PC Paintbrush	DCX, PCX			C	
PC-File Letter		1.0 to 5.0			P
Personal R:BASE		1.0			P
PFS:Professional Plan		1.0			P
PFS:Write		A, B, C			P
PKWARE Archive	ZIP	All		C ¹²	
Portable Bitmap	PBM	All		C	
Portable Graymap	PGM	All		C	
Portable Network Graphics	PNG	1.0		C	
Portable Pixmap	PPM	All		C	
Postscript	PS ¹⁵	Level II			S ¹⁰
Postscript	PS ¹⁵	Level II, III	S ²		
Pro/Engineer	DRW			C ¹	
Professional Write		1.0 to 2.1			P
Professional Write Plus		1.0			P
Q & A		1.0 to 2.0			P
Q & A Write for Windows		3.0			P
R:BASE 5000		1.0 to 3.1			P
R:BASE System V		1.0			P
Reflex		2.0			P
Samna Word		1.0 to IV+			P
SmartWare II	DEF	1.02			P
SolidWorks 2D	SLDDRW	2016 and below		C ¹	
Sprint		1.0			P

File Type	File Extensions	Versions/Formats	NAS	Adlib	Generic
StarOffice Calc	SDC		C ¹¹		C
StarOffice Impress	SDA		C ¹¹		C
StarOffice Writer	SDW		C ¹¹		C
Sun Raster	SRS	All			P
SuperCalc 5		4.0			P
Tagged Image File Format	TIF, TIFF	All		C	
Text Mail	MIME			C	S
Total Word		1.2			P
Truevision Targa	TGA	2		C	
Unicode Text	TXT	All	C ⁵	C	P
UNIX Compress	GZ				P
UNIX TAR					P
UUEncode					P
vCard	VCF	2.1			P
Volkswriter 3 & 4		1.0			P
VP Planner 3D		1.0			P
Wang PC	IWP	1.0 to 2.6			P
WBMP		All			P
Windows Enhanced Metafile	EMF	All			C
Windows Metafile	WMF	All		S	
Wireless Markup Language	WML	5.2			P
WordMARC		1.0 to Composer			P
WordPerfect Graphics	WPG, WPG2	1.0 to 2.0			C
WordStar		1.0 to 7.0			P
WordStar 2000	DOC	1.0 to 3.0			P
WordStar for Windows	DOC	1.0			P
X-Windows Bitmap	XBM	x10 compatible			P
X-Windows Dump	XDM	x10 compatible			P

File Type	File Extensions	Versions/Formats	NAS	Adlib	Generic
X-Windows Pixmap	XPM	x10 compatible			P
XSL Formatting Objects Form	FO, XML			C	
XyWrite	XYP	1.0 to III Plus			P

Rendering Notes:

1. Requires Adlib PDF CAD module license. The appropriate CAD Transformation Rule Setting (AutoDesk Inventor Export, AutoDesk Inventor, CAD, or CAD2) must also be configured within the Instruction Set used to render the file.
2. Requires Ghostscript.
3. Supports Hypertext Markup Language (HTML) with Cascading Style Sheets (CSS).
4. Supports Extensible Markup Language (XML) with Extensible Style Sheet Language (XSL).
5. Requires WordPad.
6. The output will be a report of technical file information.
7. WordPad will be used to convert the document unless Microsoft Word is installed.
8. The Encapsulated PostScript (EPS) file specification allows a graphic file to be included for screen preview. The graphic file formats supported are: PICT (MAC), TIFF, Metafile and EPSI. The Adlib Transformation Engine only supports EPS files with TIFF graphic file format.
9. Requires Adlib PDF Recognition module license.
10. In some instances PostScript files have a loss in fidelity when rendering. Native Application (Ghostscript) processing produces higher quality PDF files and is recommended.
11. Requires OpenOffice.org equivalent (Calc, Impress or Write) installed.
12. Contents of the Zip file are merged into a single output. Contents appear in the order they were added to the Zip file.
13. It is recommended that High Quality printing be enabled within the PowerPoint 2007 native application. This setting provides the best quality when rendering PowerPoint files through the Adlib PDF Transformation Engine.
14. Microsoft Office 2003 files must be rendered with any supported versions of Microsoft Office or the Generic Viewer.
15. The Adlib PS Print Driver is not supported on Windows Server 2012.
16. Hyperlinks within MHT files may not be accurately reflected in the rendered output.
17. DWG files created via Inventor may not render correctly through the Adlib CAD engine.

Additional file types are continually being added. If the file type you are looking for is not listed please email Adlib at support@adlibsoftware.com.

General Notes:

- a) This list only contains the most common file extensions used for each file type. Other file extensions may exist.
- b) File extensions are not used to identify the file type except for CAD files and files that do not contain file information (e.g. HPGL).
- c) Please let us know if you need additional file type support.

Appendix B: Database Growth Management

Database Growth Management settings are included with Adlib PDF to assist in controlling database growth as a result of the job information that is retained during the operation of the system.

When logging in Info mode, approximately 200KB of job information will be retained per successful job. Unsuccessful jobs and/or higher logging levels may retain additional information, requiring up to 3-4x as much space in the database.

Database Growth Management Modes

Database Growth Management runs in two modes:

Mode 1: SQL Server Express only

Since SQL Server Express databases have a data size cap (10GB for Express 2008) a mandatory “by-size” cleanup will be performed by default when this type of database is detected. Every 10 minutes, Database Growth Management will check if the database has reached 80% of capacity. If it has, enough records will be purged to reduce the size to 50% of capacity.

Mode 2: SQL Server

By default, the Database Growth Management procedure will purge jobs and any associated child records older than 30 days at 2:00am local time.

Database Tables

The following tables are involved in the cleanup process:

SRT_JOB_ARCHIVE

SRT_JOB_DOCUMENT_ARCHIVE

SRT_JOB_GROUP

ELS_LOG_ENTRY

ELS_STATISTIC_ENTRY



Any records in the ELS tables associated with a purged job will be purged themselves (the JOB_CONTEXT field is checked for the association). Additionally, any unassociated records in these tables (null/empty JOB_CONTEXT field) older than the purged job will also be removed. Therefore the database will never retain any ELS records older than the most recently purged job.

Appendix C: Software Product Activation FAQ

What is Activation?

Software activation is an interactive representation of Adlib's license agreement for our valued customers. Activation protects the intellectual property and innovation delivered within Adlib's products.

Adlib is committed to preventing unauthorized use of its software using methods designed to have minimal impact on licensed users. When a customer installs an Adlib product that requires activation, the software will automatically attempt to activate via a connection to the Internet. The license information will be sent to Adlib and it will be verified without any action by the customer. For installations without an active internet connection there is a convenient 'offline' method for activating Adlib software products.

The activation process does not transmit any personally identifiable information, except to the extent that IP addresses may be considered personally identifiable in some locations, nor does it limit licensed users' ability to use the software the way they always have under the Adlib End-User License Agreement.

How Does Activation Work?

A unique Activation ID is issued to the end-user, which corresponds to license rights stored on the Adlib License Server. The Adlib License Manager application (included with the software installation) is used in conjunction with the Activation ID to transfer those license rights to the end-user machine; this is referred to as "activating" the license, and is only required to be performed once. Adlib License Manager also supports other license lifecycle transactions, such as transferring ("rehosting") a license from one end-user machine to another, upgrading a license, and activating additional licenses.

Why is Activation Necessary?

To ensure that the software is used in compliance with the product license, in terms of:

1. Concurrent Installations
2. Feature Set
3. Expiry Date
4. Support/Upgrade Policies

How can I Activate my Product License?

In the Adlib License Manager (Start/Programs/Adlib), select Activate License. You can choose one of two activation methods:

1. Online (automatic via Internet)

This method requests an Activation ID and contacts the Adlib License Server directly via the Internet, activating the license automatically without further user interaction. Please note that your network must permit communication through port 80 for this activation method to succeed.

2. Offline (manual via proxy)

This method requests an Activation ID and generates an XML file that contains the activation request. The request file must be submitted to Adlib for processing, either through the Adlib self-serve web page (<http://www.adlibsoftware.com/AdlibLicenseServices>), or by email attachment to fulfillment@adlibsoftware.com. An XML file will be returned that contains the activation response, which must be input into the Adlib License Manager to complete the activation.

What about Evaluation Licenses?

The standard 30-day evaluation license is embedded within the Adlib License Manager, and therefore does not require an Activation ID or communication with the Adlib License Server. However, you must still activate this license through the "Activate Evaluation" option when you are ready to begin your evaluation period.

Can I Extend my Evaluation Period?

Yes. If you require additional time to evaluate the product, please contact your Adlib representative. Evaluation extensions require an Activation ID and must be activated against the Adlib License Server in the same manner as full product licenses.

Is an Internet Connection Required for Activation?

No. If the machine requiring the activation does not have Internet access, you can use any other Internet enabled machine as a manual proxy. If this is still not feasible, you can send an offline activation request by regular mail on any portable file storage medium.

How Often will the Software Contact the Adlib License Server?

The Adlib License Server is only contacted by the Adlib License Manager during user-initiated license transactions (activations, rehosts and returns). There is no "background" communication with the Adlib License Server. The only exception to this rule is for silent installations, where the installer can be configured to automatically perform an activation.

Does Activation Transmit any Personal Information from my Machine?

No. A unique machine ID is generated and transmitted to the Adlib License Server when activating, for the purpose of ensuring the uniqueness of each activation. This machine ID acts as a cumulative hardware "signature" and does not include details about the specific make or model of individual hardware components.

Why do Offline Activations Sometimes Require More than Two Steps?

If an end-user machine has never performed an activation, its license storage must be initialized by the Adlib License Server before any activations can occur. Initialization is a distinct step that cannot be combined with the activation itself. Because the Adlib License Server cannot know whether an end-user machine requires initialization until it receives an activation request, such a request may result in an initialization rather than activation. For online activations, this process is transparent to the end-user since Adlib License Manager will automatically submit a new activation request in the event of an initialization response. For offline activations, however, an initialization response will require the user to manually submit a new activation request.

Can I Activate using my old Customer Number/Serial Number?

No. Please contact your Adlib representative to obtain an Activation ID.

Can I Transfer my License to a Different Machine after Activation?

Yes. Select the "Rehost" option in Adlib License Manager to temporarily return your license to the Adlib License Server. The license is now available to be activated on a different machine.

Will I Lose my License if I Format my Hard Drive after Activation?

No. Simply re-install the software and activate using your original Activation ID. Please note that if you are also making significant hardware changes to the machine, it is recommended that you rehost your license first to ensure that it can be re-activated on the new hardware configuration.

Will Activation Work in a Virtual Machine Environment?

Yes. Please note that each virtual machine will require its own unique activation. If you plan on virtualizing an existing installation, please be sure to rehost any existing licenses first, so that they can be successfully activated when running the new virtual machine.

How will this Impact my Disaster Recovery Plan (DRP)?

The following DRP activities will invalidate an activated license:

1. Restoring a system backup to a different machine.
2. Virtualizing a machine.
3. Moving the boot hard drive to a different machine.

Always be sure to rehost your license before moving to a new machine. If your original machine is unrecoverable and you are unable to perform the rehost, please contact your Adlib representative to obtain a new Activation ID.

Who do I Contact if I have Questions or Concerns?

Your Adlib representative (+1.905.631.2875), or send an email to support@adlibsoftware.com.

Appendix D: Contact Adlib

Web Site	www.adlibsoftware.com/
Sales	sales@adlibsoftware.com
Support	support@adlibsoftware.com
Phone	1-905-631-2875 or 1-866-991-1704 (North America)
Fax	1-905-639-3540
Mail	Adlib 215-3228 South Service Road Burlington, Ontario Canada L7N 3H8

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