Oracle® Insurance IStream

IStream Document Manager Guide for New Installations Release 6.3

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Chapter 1

Overview

Welcome to the IStream Document Manager Guide for New Installations. This guide describes how to install and configure IStream Document Manager.

Important: This guide is for advanced users such as system administrators.

This chapter gives an overview of the installation process and describes:

- Document Conventions on page 8
- The Installation Process on page 9
- IStream Document Manager Features on page 10
- IStream Document Manager Documentation on page 16

Note: Please read this chapter completely before beginning your installation.

Document Conventions

Tips, Notes, Important Notes and Warnings

Tip: A **Tip** provides a better way to use the software.

Note: A **Note** contains special information and reminders.

Important: An Important note contains significant information about the use and

understanding of the software.

 $Warning: \ A \textbf{Warning} \ contains \ critical \ information \ that \ if \ ignored, \ may \ cause \ errors \ or \ result$

in the loss of information.

Other Document Conventions

- Microsoft Window names, buttons, tabs and other screen elements are in bold, for example: Click **Next**.
- paths, URLs and code samples are in the Courier font, for example:
 C:\Windows
- values that you need to enter or specify are indicated in the italicized Courier font, for example, server name
- values that are optional are indicated with square brackets, for example [reserved]

The Installation Process

The IStream Document Manager installation process allows you to select a number of components (called *features*) to install. (*IStream Document Manager* refers to the entire family of IStream features.)

IStream Assembler is a subset of IStream Document Manager. It is for integration with existing customer or third-party systems, and contains no DMS.

The installation path for all IStream Document Manager components is:

C:\Program Files\Oracle\IStream

All .EXE and .DLL files are in this location.

IStream Document Manager Features

This section describes the various IStream Document Manager components (called **features**) that you can install.

IStream Document Manager Features

The table on the next page contains the complete list of IStream Document Manager features. These features are displayed in the **Select Features** screen when you run the setup application. You can install these features on more than one computer.

Please note:

- There are two types of features that you can select: **main** features and **subfeatures**. To display a subfeature, click the plus sign (+) next to the main feature to expand it.
- When you select a subfeature, the higher level feature is automatically selected.
- When you select certain subfeatures, other subfeatures may automatically be selected. If you later clear the subfeature that you had selected, the dependant subfeature that was automatically selected will remains selected.
 - For example, if you select the **Author** subfeature (under **Workstation**), the **Assembler UI** and the Add-in features are automatically selected, and is displayed with a dark gray selected check box. You cannot clear any of these selected checkboxes, because these features are dependant upon **Author**. If you clear the **Author** feature, the other features remain selected. At this point, you can clear the other check boxes
- For the specific software requirements and version numbers, see the *IStream Document Manager Release Notes*.

Main Feature **Subfeatures IStream Document Manager Modules Base IStream Document Manager Integration** provides the base components required by IStream Incorporates the IStream functionality (including Document Manager Modules. IStream Document Object Types) within the document management Manager enhances the base document system (DMS). For more information, see *IStream* management system (DMS) to provide IStream Document Manager and Livelink Integration on functionality. You need to install the IStream Document Manager Modules manually. For page 12. details, refer to *Installing IStream Document* Manager on page 27. • IStream Document Manager Servlet (includes Tomcat) provides the connection between IStream Document Manager and the Assembly Server, and allows users to generate, regenerate and compile model documents. • IStream Assembly Service is the document **IStream Assembly Server** generation engine that assembles complex This is a server used to assemble and generate documents based on model documents. It includes model documents, and includes the features InfoConnector, an application for managing required for remote generation. multiple InfoSources. **Proxy** is a server required for rendering PDF files

Main Feature

Workstation

Includes the **Author** and **Assembler** user interfaces subfeatures, which allow users to create and generate model documents. It also includes these components:

- IStream Assembler
- IStream Visualizer (Charts and Graphs)
- IStream InfoSources
- IStream InfoConnector
- standalone generator
- the plug-ins required for the authoring of model documents

Subfeatures

- Author provides an authoring environment that uses Microsoft Word for editing and managing model documents. Model documents rules and functions are evaluated during generation to produce complex contracts, policies and correspondence.
- The Assembler UI enables local assembly of documents from Author. Assembler creates complex documents based on model documents.
- The Author Add-In for Microsoft Word enables you to edit and generate documents directly from Microsoft Word. If selected, the Assembler Addin is automatically selected.
- The Assembler Add-in for Microsoft Word enables you to generate model documents directly from Microsoft Word.

Note: If you select **Author**, then **Assembler UI** and all **Add-ins** are automatically selected.

• **IStream Promoter** is a utility that allows you to easily promote documents by copying them betwen your many different physical environments. It allows you to convert your documents to the current IStream format

Customizer

This application is for creating documents that are tailored (or *customized*) for a specific customer's needs. It manages the tailored wording so that it continues to be applied to the document as benefits change and renewals occur.

None

Core - For Tracker Customers Only

Core provides the basic IStream Document Manager functionality including the support of InfoSources and document generation. Note that it is for Tracker customers only. None

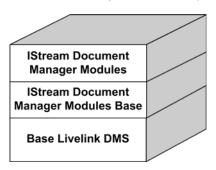
IStream Document Manager and Livelink Integration

The DMS portion of IStream Document Manager allows users to manage documents and versions and helps users establish workflow processes.

You do not install the DMS portion of IStream Document Manager directly. Instead, you install the following components, one on top of the other, in this order:

- **Livelink** a third-party base DMS from OpenText
- **IStream Document Manager Modules Base** integrates the IStream Document Manager Modules with Livelink

• **IStream Document Manager Modules** – provide the actual IStream Document Manager functionality



Please note:

- All references in this document to *Livelink* refer to the DMS in *IStream Document Manager*.
- IStream Document Manager 6.3 only supports Livelink 9.7.1.

IStream Publisher

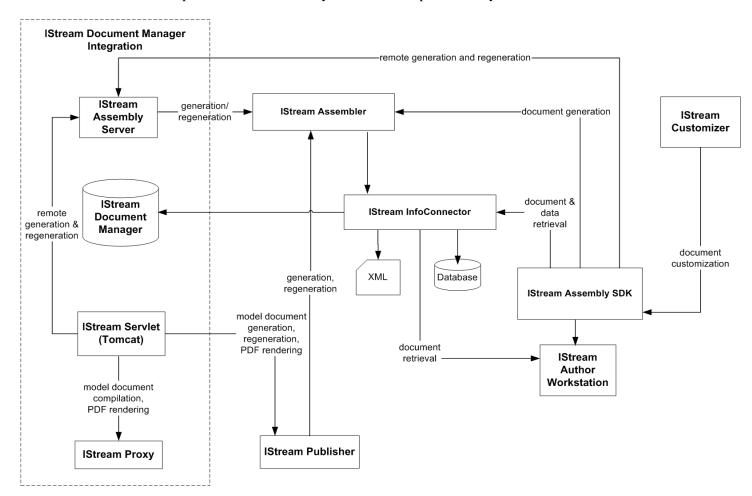
In addition to these features, IStream Document Manager can also work with IStream Publisher. IStream Publisher is an application where pre-defined or customized services are used to retrieve, assemble, render, deliver and store documents.

For more information about IStream Publisher, see the IStream Publisher documentation.

Overview Diagram of Features

The following diagram gives a high-level overview of IStream Document Manager's features.

The larger, bolded items represent features that can be assigned to a workstation or server during installation. These correspond to the features in the *IStream Document Manager Features* on page 10. The smaller, non-bolded items represent features that may be installed as part of the system's role.



Note: This diagram does *not* indicate the specific applications you should install on each system. Some systems may be able to contain more than one feature. For further information, please contact *Customer Support*.

Microsoft Word 2007 Document Format

By default, Microsoft Word 2007 will save to its new document format (*.docx, *.docm, *.dotm). This new Word format is **not** supported in any IStream Document Manager application. Therefore, you need to complete one of the following steps:

- under Word Options, change the default format that files are saved in to Word 97-2003
- change the file format to **Word 97-2003** when saving a specific file

IStream Document Manager Documentation

IStream Document Manager includes the following documents and online help files:

General Documentation

- The *IStream Document Manager Release Notes* include general product information, product enhancements and new features, supported platforms and third-party software, assorted considerations, and known issues and limitations.
- The *IStream Document Manager ReadMe* file describes the contents of the installation package.
- The *IStream Document Manager Glossary* contains definitions of commonly used IStream terms.

User Guides and Online Help

- The *IStream Assembler Online Help* describes how to generate documents from sections and model documents.
- The IStream Assembler Add-in for Microsoft Word Online Help describes how to perform certain IStream Assembler functions directly within Microsoft Word.
- The *IStream Author User Guide* describes how to create, edit, and test sections or model documents.
- The IStream Author Add-in for Microsoft Word Online Help describes how to perform certain IStream Author functions directly within Microsoft Word.
- The *IStream Customizer User Guide* describes how to modify the content of generated documents so that the changes will be applied during subsequent document generations.
- The IStream Document Manager DMS Guide for IStream and Model Documents describes how to edit and work with IStream sections and model documents using the DMS user interface.
- The *DMS Plug-in for Author Online Help* describes how to access DMS functionality in IStream Author.
- The *IStream InfoConnector Online Help* describes how to set up and configure IStream InfoSources.

Advanced Guides

The IStream Document Manager Guide for New Installations explains how
to complete a new installation of IStream Document Manager. It includes
system requirements and detailed installation and configuration information.

- The *IStream Document Manager Upgrade Installation Guide* explains how to upgrade an *existing* installation of IStream Document Manager. It includes system requirements and detailed installation and configuration information.
- The *IStream Document Manager Message Reference Guide* contains lists of error, log and SDK messages from the various IStream components. It is for technical users who need additional information about the various IStream messages they receive.
- The *IStream Document Manager Technical Guide* is for system administrators and technical support staff who configure IStream Document Manager and set up links between it and their company's database. This guide is also for those who set up and maintain security groups and operators in the system, and who install, optimize, maintain and troubleshoot IStream Document Manager. It also describes installing and configuring IStream XML InfoSources for interactive and batch generation.
- The *IStream Assembler* and *Extensibility Toolkit Guides* contain detailed descriptions of the components in the IStream Toolkit, or SDK. They are for technical users who need to integrate IStream components with their own or other third party applications.

In addition to the toolkit guides, the *IStream Toolkit SDK Samples Guide* gives an overview of the toolkit samples. The samples are working examples that can help you develop custom applications.

For more information about the toolkit, see the *IStream Document Manager Toolkit ReadMe*.

Chapter 2

Pre-Installation Procedures

This chapter describes the various procedures that you need to complete before actually installing IStream Document Manager.

Stage 1: Check the System Requirements

Ensure that your system meets the software requirements described here.

WebDAV InfoSource

If you plan to use the WebDAV InfoSource to integrate with Microsoft Windows SharePoint Services 3.0, ensure that you install the following software:

- On Windows Server 2003, install the default features of the Office Shared Features and Office Tools for Microsoft Office XP, Microsoft Office 2003 or Microsoft Office 2007.
- On Windows Vista, download and install the software from:

http://www.microsoft.com/downloads/details.aspx? FamilyID=17c36612-632e-4c04-9382-987622ed1d64 &DisplayLang=en

Assembly Server Requirements

The Assembly Server is used for remote generation of documents. Depending on its use, it should be set up on a separate computer.

Before installing the Assembly Server, ensure it meets the following requirements:

Note: For specific versions and service pack numbers, please refer to the *IStream Document Manager Release Notes*.

Operating system	Microsoft Windows Server
ODBC drivers	ODBC drivers for databases used by InfoSources during generation
Word processor	Microsoft Word must be installed on the Assembly Server computer if Assembler will be used to create PDF files.
	Proxy is usually installed on the same computer as Assembly Server. If Proxy is installed on a different computer, Microsoft Word must also be installed on the separate Proxy computer.

Java Development Kit	Sun Microsystems Java Development Kit (JDK). The IStream Proxy component requires the Sun Microsystems JDK. Refer to <i>Stage 3: Install the Sun JDK</i> on page 25 for instructions and the supported version.
Livelink Application Programming Interface (LAPI) Version 9.7.1 for Windows	Open Text Livelink Application Programming Interface (LAPI) Version 9.7.1 for Windows The IStreamDM InfoSource requires LAPI to access to the IStream Document Manager server.

Author Workstation Requirements

The Author Workstation is the computer used to create and edit model documents, as well as generate and test these documents. Before installing the Author Workstation, please ensure it meets the following software and other requirements:

- Microsoft Windows
- Internet Explorer
- Microsoft Word
- Livelink Application Programming Interface (LAPI) Version 9.7.1 for Windows
- Monitor settings: 800 x 600, 256 colors

The following additional requirements apply to specific versions of Microsoft Windows and Microsoft Word:

- **For Microsoft Windows XP:** Microsoft .NET Framework 2.0: (included on the installation package)
- For Microsoft Windows Vista: ensure that the Microsoft .NET 3.0 feature is enabled: Select Control Panel > Programs and Features > Turn Windows features on or off > ensure Microsoft .NET Framework 3.0 is selected.
- **For Microsoft Word 2007**: Visual Studio 2005 Tools for Office Second Edition Runtime (included on the installation package)

For Microsoft Word 2007 under Microsoft Windows XP: ensure you have enabled .NET Programmability as follows: Select Control Panel > Add/Remove Programs > Microsoft Office 2007 > Add or Remove Features > Installation Options > Microsoft Office Word > .NET Programmability Support.

• For specific version and service pack numbers, please refer to the *IStream Document Manager Release Notes*.

Also ensure that:

• you have TCP/IP connectivity to connect to the Assembly Server

• you have only *one* registered version of Microsoft Word on the Author Workstation; if you have more than one, or if Word is in the registry more than once, you may encounter problems

IStream Document Manager Server

The IStream Document Manager server runs the Document Management System (DMS) server and Web server. You can run other components on this computer as well. Before installing IStream Document Manager Server, ensure that you meet the following requirements:

DMS Software Requirements

Operating System	Microsoft Windows
Database Server	Microsoft SQL or Oracle (Note: The database server should be installed on a separate computer)
Web Server	IIS
Sun Microsystems JDK	The Sun Microsystems JDK (Java Development Kit) must be installed and configured before installing IStream Document Manager. For more information, refer to the installation notes for the Sun Microsystems Java Development Kit.
FTP Site	An FTP server must be set up and running on your IStream DMS web server. Refer to your web server software documentation for instructions on how to set up an FTP site.
Browser	Internet Explorer
Intranet DMS Server	Livelink DMS server
IStream Module for the Livelink installation package	Contains Livelink modules required to provide IStream functionality on the Livelink DMS server

Other Server Considerations

- If the database server is on a separate computer, you need the database client software for that particular server installed on the IStream Document Manager Server.
- The client should have the same service pack as the database server.

Stage 2: Obtain the Server Setup Information

Ensure that you have the following information before trying to deploy IStream Document Manager. This information may also be required if you need to contact us for help.

Operating System

- operating system name and version
- service pack number

Database Server

- Oracle or Microsoft SQL version
- database server name
- service pack number
- administrator login and password

Web Server

- web server and version
- administrator login, password and port

Browser Info

browser name and version

IStream Server Info

- server name (for example, IStream)
- port number (for example, 2099)
- IP address
- Microsoft SQL database name or Oracle tablespace owner
- service Name (CGI alias name)

Stage 3: Install the Sun JDK

Before installing IStream Document Manager, ensure that the supported Sun Microsystems Java Development Kit (JDK) version has been installed on the computers where the following IStream components are to be installed:

- IStream Servlet
- IStream Proxy: a subcomponent of Assembly Server

Method: Install the Sun JDK

1. Go to the following URL:

http://java.sun.com/products/archive/j2se/6u10/
index.html

- 2. Download and install the **Offline Installation** file of Windows version of the JDK: jdk-6u10-windows-i586-p.exe
- **3.** From the **Control Panel**, double click **System.**
- **4.** In the System Properties dialog, click the **Advanced** tab.
- 5. Click Environment Variables.
- **6.** Create the following new **System Variables**:

Variable name	Variable value
JAVA_HOME	the JDK installation path, usually C:\Program Files\Java\jdk1.6.0_10
CLASSPATH	%JAVA_HOME%\lib\tools.jar

- **7.** Edit the PATH **System Variable** adding <code>%JAVA_HOME%\bin;</code> to the very beginning of the PATH variable. This ensures that IStream Document Manager will use the correct JDK version.
- **8.** Click **OK** to save your changes.

Note: IStream Document Manager was tested with JDK 6 Update 10. You can also install JDK 6 with a higher update.

Stage 4: Plan for IStream Promoter

IStream Promoter is a tool that helps automate the promotion of IStream documents and their related sections, and Microsoft Word templates, from one environment (such as development, testing or production) into another.

If you will be using IStream Promoter, please ensure that:

- the user who will be using IStream Promoter has the proper permissions on IStream and the file system
- IStream Author and IStream InfoConnector are installed
- all remote drives are accessible and can be written to
- the account that Promoter is running for has the necessary permissions to write to a destination location for the promoted files
- all DMS servers are running when Promoter is started
- all necessary InfoSources have been set up: Promoter will select from a list
 of existing InfoSources when it launches. InfoSources that you create after
 Promoter starts will not appear in Promoter you would have to restart
 Promoter to display any new InfoSources

Chapter 3

Installing IStream Document Manager

This chapter describes how to perform a new installation of IStream Document Manager.

Please note:

- For IStream Publisher installation instructions, see the *IStream Publisher* installation guides.
- IStream Document Manager is based on Livelink. Therefore, all references to Livelink relate to IStream Document Manager.

Stage 1: Install Livelink

Step A: Install Livelink

IStream Document Manager requires Livelink. For detailed installation instructions, refer to the installation documentation included with Livelink.

1. Install Livelink.

Note: It is assumed that you will install Livelink under the C:\OPENTEXT folder.

2. Map the URL prefixes. For details, see the *Livelink First-Time Installation Guide*.

Step B: Install the Livelink Patches

- 1. Stop the DMS LiveLink server if it is running.
- **2.** Create a C:\OPENTEXT\patch\ folder if does not already exist.
- 3. Install the monthly patch for Livelink. The latest supported patch is from March 2009.
- **4.** Copy \patch\pat99001.txt on the IStream Module for the Livelink installation package to:

C:\OPENTEXT\patch\.

Step C: Install the Livelink Filter Pack (Optional)

To use the **View as Web Page** function, you will need to install the Livelink filter pack. Obtain the appropriate Livelink filter pack for Livelink 9.7.1 and install it.

Stage 2: Install the IStream Modules and Servlet

Step A: Run Setup

- 1. On the Livelink Server, stop the Livelink Server service.
- 2. Run setup.exe from the IStream Document Manager folder on the IStream Document Manager installation package. The InstallShield Wizard screen is briefly displayed.
- 3. On the **Welcome** screen, click **Next**.
- **4.** On the **Installation Location** screen, specify where IStream Document Manager will be installed.
- 5. To accept the default folder, click **Next**. To select a different folder, click **Change**, then select the folder to install IStream Document Manager into.
- 6. On the Selection Features screen, select IStream Document Manager Integration from the feature selection panel. The IStream Document Manager Modules Base and IStream Document Manager Servlet features are automatically selected.

Note: The **IStream Document Manager Servlet** must be installed on the same server as IStream Document Manager.

- 7. If you have more than one Livelink installation on the system, the **Select IStreamDM Server** screen is displayed. Select the Livelink instance you want to use with IStream Document Manager.
- **8.** On the **Ready to Install** screen, click **Install** to begin the installation, or click **Back** to review or change any of your installation settings.

The **Setup Status** screen is displayed. A status bar shows the progress of the installation.

When the installation is finished, the **InstallShield Wizard Complete** screen is displayed.

- **9.** Click **Finish** to exit the Wizard.
- 10. If you are prompted to restart your computer, click Yes.
- 11. Start the Livelink Server service.

Step B: Integrate IStream Document Manager Module with Livelink

- **1.** Ensure the following services are started:
 - Livelink Admin
 - Livelink Server
- 2. Copy \calligo_6_3_0\ and its subfolders from the IStream Module for Livelink installation package to:

c:\opentext\staging

3. Open the Livelink Administration page.

http://server_name/service_name/livelink.exe?func= admin.index

- **4.** Enter the Administrator password, then login.
- 5. Scroll down to the **Module Administration** section. In this section, click **Install Modules**.
- **6.** Scroll to the **Installable Modules** and select the **IStream** check box.
- 7. Click **Install**.
- 8. Enter the Admin User Password and click Log-in.
- **9.** Wait until you see a message appears stating that you need to restart the Livelink server before continuing.
- 10. Open the Services dialog from the Control Panel.
- 11. Stop the Livelink Server service, and then restart it.
- 12. Click Continue.

You are returned to the **LiveLink Administration** page. Close your web browser.

Step C: Check Opentext.ini Settings

Security Settings

Ensure that the following lines are in the [Security] section of C:\OPENTEXT\config\opentext.ini, with these settings:

cookieUserPWD=true

cookieClientIPAddress=8

Warning: Do not use the Livelink administration page to change the cookieClient IPAddress.

IStream PDF Document Support Settings

By default, IStream Document Manager 6.2 and greater supports IStream PDF documents, which require additional resources for the IStream Document Manager services.

Turning off IStream PDF document support reduces the amount of memory IStream Document Manager requires and improves the speed at which PDF documents are uploaded from IStream Publisher.

Method: To turn off IStream PDF document support

1. Open the following file:

C:\OPENTEXT\config\opentext.ini:

2. Add the following line to the [Options] section:

IStreamPDFSupport=false

Step D: Customize the Livelink Database

Removed from upgrade guide - New install text only

Complete this step to customize the required tables in the Livelink database.

In this procedure you run an application (tnginfo.install) that updates certain database tables in the Livelink database.

- 1. Backup your Livelink database.
- **2.** Log in to the DMS.
- **3.** In your web browser, go to:

```
http://server_name/service_name/livelink.exe?
func=tnginfo.install
```

4. Login to IStream Document Manager if necessary using the Admin account.

The tnginfo.install application runs.

- **5. Important:** When prompted, restart the Livelink Server service.
- 6. Click Update Database Records.

The system updates certain IStream Document Manager-specific document database records.

- 7. The final screen lists the items that have been updated.
- **8.** When the update has completed, click **OK**, then close the web browser.
- **9. Important:** Stop and restart the Livelink Server service. This is a *critical* step.

Step E: Configure the IStream Servlet

The IStream Servlet provides the connection between IStream Document Manager and the Assembly Server. Complete the following procedure to configure the IStream Servlet on a supported Windows system.

Method: Configure the IStream Servlet

Note: If you are reinstalling IStream Document Manager Servlet to the same location and settings that were kept during the uninstallation process, you will need to remove and back up, or rename the following folder:

[install folder]\3rd Party Components\tomcat\webapps\calligo

- **1.** Start the Apache Tomcat service.
- **2.** Wait until the following calligo subfolder is created:

```
install_folder\3rd Party Components\tomcat\webapps\
calligo\
```

Note: This can take up to two minutes

- **3.** Stop the Apache Tomcat service.
- **4.** If you are using IStream Publisher:
 - **a.** Open the following file:

```
install_folder\3rd Party Components\tomcat\
webapps\calligo\conf\CalligoServlet.configure
```

- **b.** Set the mode parameter to edelivery.
- **c.** Save and close the configuration file.
- **d.** Copy and replace the following jar files from any MQ client installation of your WebSphere MQ Server:
 - connector.jar
 - com.ibm.mq.jar
 - com.ibm.mqjms.jar
 - dhbcore.jar
 - jms.jar
 - jta.jar

to:

```
\install folder\3rd Party Components\
tomcat\webapps\calligo\WEB-INF\lib\
```

Note:

- You need to ensure that the MQ client version matches the MQ server version.
- The default MQ client installation folder is:

```
C:\Program Files\IBM\WebSphere MQ\Java\lib
```

This is an important step because these .jar files are no longer bundled with the installation package.

e. To configure IStream Proxy to work with IStream Servlet:

Copy \lib\lapi.jar from any LAPI Version 9.7.1 client installation to:

\install folder\Components\WEB-INF\lib

The default LAPI client installation folder is:

C:\Program Files\Open Text\LAPI

5. In the same folder as in the previous step, open InteractiveServlet.configure

If you are upgrading, or if you are reinstalling with the settings kept from uninstallation, refer to or restore your back up of this file.

- **6.** Configure the parameters in this file: for details, see *InteractiveServlet.configure* on page 72 of the *IStream Document Manager Technical Guide*.
- 7. Save and close the configuration file.

In the same folder as in the previous step, open NonInteractiveServlet.configure

If you are upgrading, or if you are reinstalling with the settings kept from uninstallation, refer to or restore your back up of this file.

- **8.** Locate the CalligoRMI.server.hostname parameter and set it to the name of the server on which the IStream Proxy server is to run.
- **9.** If you are using IStream Publisher, you also need to configure the other parameters in this file: for details, see *NonInteractiveServlet.configure* on page 74 of the *IStream Document Manager Technical Guide*.
- **10.** Save and close the configuration file.
- 11. Set the **Startup** type for the **Apache Tomcat** service to **Automatic** in the **Services Control Panel**.
- **12.** Start the Apache Tomcat service.

Configuration of the Servlet is complete.

Step F: Change the Port Number

If you:

- install IStream Server and IStream Assembler on an Oracle system where Tomcat is not integrated with IIS, then
- configure the Assembly Server and try to generate from IStream Document Manager

this may create a port conflict.

To resolve this, you need to change the port number from 8080 to 24000 in two locations:

1. In the C:\OPENTEXT\config\opentext.ini file, change the following line: Calligo locServlet=:8080/calligo

to:

Calligo locServlet=:24000/calligo

- Change the port in install_folder\3rd Party Components\tomcat\conf\server.xml from 8080 to 24000.
- **3.** Restart the Tomcat and Livelink Server services.
- **4.** Restart the IStream Proxy server.

Step G: Hide Specific Livelink Modules

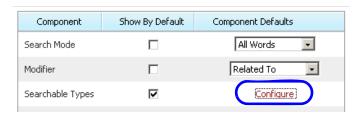
IStream Document Manager supports only certain Livelink functions. Specifically, the **My Home** and **Java** modules are not supported. We therefore recommend to hide these modules:

- 1. From the Livelink Administration page, go to the Java Module Administration section.
- 2. Click Administer Java Module.
- 3. Clear the **Configured** check box beside **Application Server**.
- Submit the page then restart Livelink Server when prompted.
 The My Home links are now hidden from the Enterprise Workspace.

Step H: Configure Searchable Types

Complete the following procedure to add the required IStream document types to the searchable file types

- 1. From the Livelink Administration page, in the Search Administration section, click Configure Search Options.
- 2. In the **Full Text** section, in the **Options** section, click **Configure** next to the **Searchable Types** component.



The Searchable Types screen opens.

- 3. Scroll down the page until you see the green button that is just below the Available box in the Menu Items section.
- **4.** Click the green button
- 5. In the **Edit** section, enter the following values:
 - Label: IStream Document
 - **Image**: /calligo/calligodocnewdoc.gif
 - **Indent**: 1

Query:

 ${\tt OTSubType:7771~and~(OTFilterMIMEType:~qlrange~"msword|pdf")}\\$

6. Click the green button again.

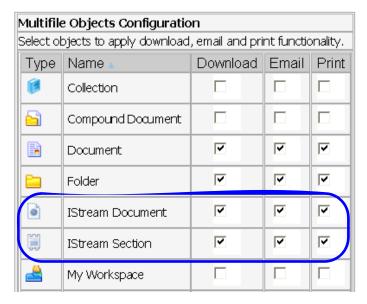
The menu item is added to the **Available** list. You can now enter the second type.

- 7. In the **Edit** section, enter the following values:
 - Label: IStream Section
 - Image: /calligo/calligotemplatenewdoc.gif
 - **Indent**: 1
 - Query: OTSubType:7772 and OTFilterMIMEType:msword
- 8. Click the yellow right arrow to move the newly created items from the Available list to the Displayed list.
- 9. Use the yellow up and down buttons that are to the right of the **Displayed** list to move the new items.
- **10.** Click **Submit** to save your changes.

Step I: Configure DMS for Zip & Download and Print Features

Complete the following procedures to enable the **Zip & Download** and **Print** features in the DMS for IStream documents.

- 1. From the Livelink Administration page, locate the Multi-File Output Administration section, then click General Settings.
- 2. Scroll to the **Multifile Objects Configuration** section.
- **3.** To enable specific features, select the check box for each IStream document type under each feature column (**Download**, **Email** and **Print**):



4. Click Submit.

Step J: Configure Security Permissions (Optional)

You can configure the Assembly Server service as either a **Local System** account, or as a specific account.

If you will be using Assembly Server in a Directory Services environment, you cannot run it under a **Local System** account. You must run it under a different user account as described in *Method: Create a User Account for Livelink Authentication* on page 53. This ensures that the Directory Services authentication will succeed.

If you can connect to the Assembly Server and generate documents from it using a **Local System** account, but cannot connect and generate using your specified account, you may need to configure the COM security permissions for the user account you have set up.

Method: Configure security permissions (Windows 2003 Server)

1. Select Start > Run and enter dcomcnfg.exe.

The Component Services window opens.

- 2. Navigate to Component Services > Computer > My Computer > DCOM Config > iaegensm
- 3. Right-click **iaegensm** and choose **Properties**.

The **iaegensm** properties dialog opens.

- **4.** Click the **Security** tab.
- 5. Under Launch and Activation Permissions, click Customize, Edit, and add the user account you created for Livelink Authentication.

6. Under **Access Permissions**, click **Customize**, **Edit**, and add the user account you created for Livelink Authentication.

Step K: Integrate Tomcat with IIS (Optional)

You should integrate the Microsoft Internet Information Server (IIS) and Java Servlet Engine (Tomcat) on the IStream Server in order to complete any of the following tasks:

- configure a firewall for the web server
- use SSL to secure your web server
- load balance the IStream server

Method: Integrate Tomcat with IIS

- **1.** Switch to run WWW service in IIS 5 isolation mode:
 - **a.** Start the IIS management console.
 - b. Choose the Web Sites container.
 - **c.** Right-click the container and select **Properties**, then select the **Service** tab.
 - d. Select Run WWW service in IIS 5.0 isolation mode.
 - e. Click Apply.
- **2.** Using the **Internet Information Services Manager**, add a new virtual directory to your IIS web site:
 - a. Right-click the **Default Web Site** item
 - **b.** Selecting New > Virtual Directory.
 - c. The Virtual Directory Creation Wizard starts.
 - **d.** In the **Alias** field, enter calligo servlet.
 - e. In the **Directory** field, enter the physical path of this virtual directory. This is the directory that contains the file isapi_redirector2.dll: install folder\3rd Party Components\tomcat\bin\i386
 - **f.** Assign the virtual directory **Execute** access permission.
 - **g.** Right-click the new calligo_servlet virtual directory you just createed, then select **Permissions**.
 - **h.** Ensure that you have granted the proper access permissions to this virtual directory for the Windows user account that runs on IIS. The minimum required permissions are *Read & Execute*, *List Folder Contents* and *Read*.

For example, the Windows user account for anonymous access is IUSR_machinename. If the Windows user account that runs on IIS does not have the proper permissions, you may see an error indicating that you are not authorized to view a page in your Web Browser.

- **3.** Using the IIS management console, add isapi_redirector2.dll as a filter in your IIS web site:
 - a. Right-click the **Default Web Site** item and select **Properties**.
 - In the Default Web Site Properties dialog box, select the ISAPI Filters tab.
 - **c.** Click **Add** to add a new filter with the following information:
 - a name of calligo servlet
 - the filter of the executable must be:

```
install_folder\3rd Party Components\tomcat\bin\
i386\isapi redirector2.dll
```

4. Update the following entry in C:\OPENTEXT\config\opentext.ini Calligo locServlet=/calligo

Note: If the Livelink Server runs on a port other than the default one, add /calligo after the port number, for example:

```
Calligo_locServlet=:888/calligo
```

- **5.** Restart the Livelink Server service.
- **6.** Restart the Tomcat service.
- **7.** Restart IIS by stopping and starting the IIS Admin service.
- **8.** Open the **Internet Information Services Manager**.
- 9. In the **Default Website Properties** dialog box of the IIS service, select the **ISAPI Filters** tab.
- **10.** Confirm that a green arrow appears in the **Status** column of the calligo servlet filter.

If this arrow does not appear, you can still continue this procedure, but need to check for this arrow again after the final step, when you test the integration.

- 11. From the IIS management console, select **Web Service Extensions**.
- 12. Click Add a New Web Service Extension.
- 13. Enter an extension name, for example, Tomcat.
- **14.** Add the following file as a required file:

```
install\_folder \ 3rd \ Party \ Components \ bin \ is api \ redirector 2.dll
```

- **15.** Choose to allow the required file.
- **16.** To test the integration, in your web browser, log on to: http://localhost/calligo/test.do

Note: If SSL is enabled, enter https in the web address, instead of http.

A message like this should display:

Assembly Server Servlet Test succeeded on Wed Aug 11 15:43:53 EST 2009

17. If the green arrow did not appear in the **Status** column of the calligo_servlet filter (as described in steps 8 to 10), then repeat steps 10 to 12, and then check the status again.

Start the **ITLogServer** service if it is not already started.

Stage 3: Install Assembly Server

Step A: Run Setup

- 1. Ensure that the Sun JDK is installed. For instructions, see *Stage 3: Install the Sun JDK* on page 25.
- **2.** Run the IStream Document Manager setup program.
- 3. Select the **IStream Assembly Server** feature. The **IStream Assembly Service** and **Proxy** features will be automatically selected.
- **4.** Select the date format you want to use for the IStream Document Manager CTOD function. (For more information, see the *CTOD* section in the *IStream Author User Guide*.)
 - MM/DD/YYYY (month, day, year)
 - DD/MM/YYYY (day, month, year)

Note:

- The date settings you choose will overwrite the previous date settings.
- You should use a consistent date format in all deployments.
- **5.** If you are using an IStreamDM InfoSource to access documents in the DMS, enter the following information:
 - Server the name of the IStream Document Manager database server
 - **Port** –the port used by the IStream DMS server
 - Connection -
 - **for SQL databases:** enter the name of the database where the Livelink database tables were installed
 - **for Oracle databases:** enter the name of the Oracle user that owns the database tables

You can change this information later by editing the IStreamDM InfoSource using the IStream InfoConnector.

6. If you are asked if you want generated IStream documents with tags to be *QuickGen ready*, you should select **Yes**. If you select **No**, documents will have to be regenerated in IStream Customizer before you can use the QuickGen feature.

For more information about the QuickGen feature, see *QuickGen* on page 69 of the *IStream Customizer User Guide*.

- **7.** Complete the installation wizard.
- **8.** Copy all files in \bin from any LAPI Version 9.7.1 client installation to: \install folder\Components\
- **9.** Copy \lib\lapi.jar from any LAPI Version 9.7.1 client installation to: \install folder\Components\WEB-INF\lib

The default LAPI client installation folder is:

C:\Program Files\Open Text\LAPI

- **10.** Start the following services:
 - IStream Assembly Server
 - IStreamDM Proxy
 - ITLogServer

Important: Please note the following important information if you are generating PDFs remotely:

- After installing Assembly Server on a computer with Microsoft Word, remote PDF generation will fail unless Microsoft Word is started and the license agreement is accepted.
- If IStream Proxy is installed with Microsoft Word 2003 SP2, and you are
 using remote PDF generation, you will need to change the IStream Proxy
 service to run under an Administrator account. Note that you will have to
 change the password that the IStream Proxy service uses if the
 Administrator's password is changed.

Step B: Configure IStream Document Manager for the IStream Assembly Server

Note: Complete this step only if you are using IStream Document Manager with IStream Assembly Server.

This following procedure describes how to configure IStream Document Manager to work with the IStream Assembly Server. You need to create an **Environment** to store a single IStreamAssembly Server Environment object. This object indicates to Tomcat where the IStream Assembly Server is located, its port and proxy information.

- **1.** Ensure the following services are started:
 - IStream Assembly Server
 - Livelink Admin
 - Livelink Server
- 2. In your browser, go to http://server_name/service_name/livelink.exe
- **3.** Log on as an administrator.
- **4.** In the **Enterprise Workspace**, click the **Add Item** drop-down box and select **Environment**.
- 5. In the **Add:Environment** page, enter a descriptive name, for example Assembly Server Environment, then click **Add**.
- **6.** In the **Enterprise Workspace**, click your newly created environment link. The environment page opens.

- 7. Click the **Add Item** drop-down box and select **Assembly Server**.
- **8.** In the **Add:Assembly Server** page, enter a descriptive name, for example DefaultServer.
- 9. Click Add.

In the **Assembly Server Environment**, the new item is listed.

- 10. Click the **Functions** button, then select **Properties** and then select **Specific**.
- 11. In the **Specific info** page, enter the following information:
 - Host Address the server running the Assembly Server
 - **Port number -** the port of the Assembly Server this is usually 4300
 - **Enabled** When selected, the Assembly Server is enabled. Ensure that only one Assembly Server is enabled. For any others, this field must be cleared.
 - **Proxy User** and **Proxy Password** These fields are used when retrieving data from a database during document generation.
- 12. Click Update.
- **13.** Restart the Tomcat service.

The Assembly Server Service is configured.

Step C: Check the Printer Ports

Ensure that all printers each have their own unique port. The IStream PDF converter might use the same port as another printer. If so, assign it to another port.

Stage 4: Install the Author Workstation

Step A: Run Setup

- **1.** Run the setup application on the client workstation.
- **2.** Select the **Workstation** feature. Other features will be automatically selected.
- **3.** Optionally select the **Customizer** and **SDK** features.
- **4.** Select the date format you want to use for the IStream Document Manager CTOD function. (For more information, see the *CTOD* section in the *IStream Author User Guide*.)
 - MM/DD/YYYY (month, day, year)
 - DD/MM/YYYY (day, month, year)

Note:

- The date settings you choose will overwrite the previous date settings.
- You should use a consistent date format in all deployments.
- 5. If you are using an IStreamDM InfoSource, enter the **Server** and **Connection** names. (You can change this information later by editing the IStreamDM InfoSource using IStream InfoConnector.)
- **6.** If you are asked if you want generated IStream documents with tags to be *QuickGen ready*, you should select **Yes**. If you select **No**, documents will have to be regenerated in IStream Customizer before you can use the QuickGen feature.
 - For more information about the QuickGen feature, see *QuickGen* on page 69 of the *IStream Customizer User Guide*.
- **7.** Complete the installation wizard.
- **8.** Copy all files in \bin from any LAPI Version 9.7.1 client installation to: \install folder\Components\

Step B: Configure Author Custom Settings (Optional)

An administrator can set up all IStream Author workstations to use the same default customized settings. These settings are:

- PDF bookmark and hyperlinks
- **IStream Visualizer** (charts and graphs)

Method: Apply the same customized settings to all IStream Author workstations

Warning: This procedure involves editing the Windows registry editor and is therefore for system administrators only. We strongly recommend that you back up your registry before proceeding.

- 1. On the IStream Author system, enter the default PDF and IStream Visualizer settings if you have not already done so. For details, see the *IStream Document Manager Author User Guide*.
- 2. On the IStream Author system with the default PDF and IStream Visualizer settings, export the following registry keys:

```
HKEY_CURRENT_USER\Software\Oracle\authorm\1.0\style_pro
files
```

```
HKEY_CURRENT_USER\Software\Oracle\IStream
Components\GraphsAndCharts
```

- **3.** On each of the other IStream Author workstations, import these registry keys.
- **4.** In the registry editor, verify that the settings have been imported.

Step C: Delete Custom Default Visualizer Settings (optional)

If IStream Author is reinstalled on the same computer, any changes that were made to the IStream Visualizer (charts and graphs) settings will be retained.

To discard the customized settings and replace them with the default settings, you must delete the following registry key:

HKEY_CURRENT_USER\Software\Oracle\IStream
Components\GraphsAndCharts

Step D: Check the Printer Ports

Ensure that all printers each have their own unique port. The IStream PDF converter might use the same port as another printer. If so, assign it to another port.

Step E: Exclude Folders from Anti-Virus Scans

To avoid conflicts with IStream Document Manager, configure your anti-virus application so that it will not scan the IStream Document Manager installation and DMS folders and subfolders.

Stage 5: Configure InfoSources

- **1.** Make a list of your data sources and locations.
- **2.** After installing Author Workstation and Assembly Server, launch InfoConnector.
- 3. The first time InfoConnector launches, it uses the installed local.idb. All information about the InfoSource's configuration is stored in this file, normally located in:

install_folder\Components\Shared

4. Assembly Server requires InfoSources for certain generation processes. The IStream Document Manager installation process creates and sets up the following required InfoSources:

Note: ODBC DSNs must be System DSNs, not User DSNs.

Name	Туре	Description	Configuration Details
system	ODBC	IStream Document Manager system tables, System InfoSource	Data Source: System
(IStream InfoSource)			Application: None
IStreamDM (IStream InfoSource)	IStreamDM	the root of IStreamDM; a pre- installed InfoSource	The Server Name, Port and Location should be set according to the installation of DMS server. Do not change the Location because this will cause web generation from the DMS to fail.
			Note: This InfoSource is available only if you have an IStream DMS license. Otherwise, the IStream File System (listed next) will be used.
IStreamFS	File System	the default, pre-installed IStream Document Manager file system InfoSource	Location:
			[IStream Document Manager install folder]\IStreamDocuments
DynaFS	(Internal use only)	used by IStream Document Manage	er for internal purposes

5. Configure any additional InfoSources you plan to use for document generation.

Important: You cannot use mapped drives for InfoSources and model documents. Use UNC paths instead.

6. If you change the InfoSources, you will be prompted to restart the Assembly Server service.

For more information, refer to the $InfoConnector\ Online\ Help.$

Stage 6: Install the Required Communicator & Publisher Patches

If you have any of the following products, you will need to install their respective patches:

- IStream Communicator
- IStream Publisher

Please contact customer support to get the latest patches for these products.

Please also see the *IStream Document Manager Release Notes* for the currently supported versions of these products.

Stage 7: Install Livelink Explorer

Note: Complete this stage only if you have purchased the IStream Document Manager Plug-Ins.

Refer to the Livelink documentation installation guides for the Livelink Explorer installation requirements.

To use Livelink Explorer, you need to install it on the Livelink DMS. This requires certain steps in addition to the standard Livelink Explorer installation procedure:

Method: Install Livelink Explorer on IStream Document Manager

- **1.** Install Livelink Explorer 4.8.2 from OpenText. For details, see the Livelink Installation documentation.
- **2.** When the installation is complete, copy the contents of the following folder from the IStream Module for Livelink installation package:

```
\webexp_4_8_2\
to:
Livelink folder\staging\webexp 4 8 2
```

Important: Ensure that you copy the *contents* of this folder (webexp_4_8_2), and not the actual folder itself.

- 3. Copy pat99002.txt from the installation package to C:\OPENTEXT\patch\.
- **4.** Open the **Livelink Administration** page:

```
http://server_name/service_name/livelink.exe?func=
admin.index
```

- 5. Install the **Livelink Explorer Professional, Standard** and **Download** modules from the available modules list. Refer to the *Livelink First-Time Installation Guide* for details.
- **6.** Restart Livelink.

Note: You should perform the remaining steps on the client's system if you want Livelink Explorer client installed on this system. If you complete these steps on the IStream Document Manager system, Livelink Explorer will be installed on the Livelink DMS server.

- 7. In Internet Explorer, from the **Enterprise** menu, select **Livelink Explorer**.
- **8.** Select **Yes** when prompted to download and install the **Livelink Explorer** client.

The Livelink Explorer client installs.

9. In the Livelink Explorer Professional - Custom Setup dialog box, expand the Windows Explorer Integration feature.

The **Microsoft Word Integration** is displayed just below the **Windows Explorer Integration** feature.

10. Click Microsoft Word Integration, then select This feature will not be available.

A red 'X' should now appear next to the **Microsoft Word Integration** feature, indicating it is no longer selected.

Click **Next** to continue and complete the Livelink installation.

11. Double-click the **Livelink Explorer** shortcut on your desktop.

You will be prompted to configure the Explorer connection with the DMS. Configure the connection.

12. You will be prompted to configure your Livelink Explorer client to connect to your DMS.

Enter the **machine name** and **URL** for the system on which the DMS with the installed Explorer module is running.

Stage 8: Install Livelink Directory Services

Note: Complete this stage only if you have purchased the *IStream Document Manager* Plug-Ins.

Not all modules and platforms supported by Livelink Directory Services are supported in IStream Document Manager.

If you will be using Livelink Directory Services in your DMS, you will need IIS running on Windows.

Windows 2003 Server is the supported platform for IStream Document Manager. Because Windows 2003 uses NTLM Authentication, LDAP Authentication is not available for IStream Document Manager.

Step A: Install Livelink Directory Services

The following procedure gives an overview of how to install Livelink Directory Services. For more information, see the *Livelink Directory Services Installation and Administration Guide*.

- 1. Open the **Services** control panel and stop all Livelink services.
- **2.** Follow the prompts to install Livelink Directory Services LLDIRSRV_300_Win.exe.
- **3.** When the Directory Services installation is complete, open the **Services** control panel and restart all Livelink services.
- 4. In the Livelink Administration Page, click Continue and scroll down to Directory Services Administration.
- **5.** Click **Choose Directory Services for NTLM Synchronization** options and set the options as follows:

NTLM Synchronization:

- a. Set Authentication to NTLM Authentication (Username only).
- **b.** Set **Synchronization** to NTLM Synchronization.
- c. Set Livelink CGI Hosts to:

```
<Livelink address>,127.0.0.1.
```

where *Livelink address* is the IP address of the computer that runs the IIS server and Livelink CGI (the Livelink application).

Example: 192.168.0.12,127.0.0.1

For details, refer to **Enabling the Synchronization Feature** in the *Livelink Directory Services Installation and Administrator's Guide*.

- **6.** In the **Livelink Administration Page**, click **Continue** and scroll down to **Password Generation Policy**. Set the options as follows:
 - select the **Hidden** option
 - select the Lowercase option

ensure that **Domain and name** is not selected

For details, refer to **Password Generation Options** in the **NTLM Synchronization** section of the *Livelink Directory Services Installation and Administrator's Guide*.

7. After installing Livelink Directory Services, assign permissions to user groups so that users will have proper access to DMS documents.

Step B: Integrate Tomcat with IIS (Optional)

After installing Livelink Directory Services, you should integrate Tomcat with IIS.

Method: Integrate Tomcat with IIS

- **1.** Switch to run WWW service in IIS 5 isolation mode:
 - a. Start the IIS management console.
 - b. Choose the Web Sites container.
 - **c.** Right-click the container and select **Properties**, then select the **Service** tab.
 - d. Select Run WWW service in IIS 5.0 isolation mode.
 - e. Click Apply.
- **2.** Using the **Internet Information Services Manager**, add a new virtual directory to your IIS web site:
 - a. Right-click the **Default Web Site** item
 - **b.** Selecting New > Virtual Directory.
 - c. The Virtual Directory Creation Wizard starts.
 - d. In the Alias field, enter calligo servlet.
 - e. In the **Directory** field, enter the physical path of this virtual directory. This is the directory that contains the file isapi_redirector2.dll: install folder\3rd Party Components\tomcat\bin\i386
 - **f.** Assign the virtual directory **Execute** access permission.
 - **g.** Right-click the new calligo_servlet virtual directory you just createed, then select **Permissions**.
 - **h.** Ensure that you have granted the proper access permissions to this virtual directory for the Windows user account that runs on IIS. The minimum required permissions are *Read & Execute*, *List Folder Contents* and *Read*.

For example, the Windows user account for anonymous access is IUSR_machinename. If the Windows user account that runs on IIS does not have the proper permissions, you may see an error indicating that you are not authorized to view a page in your Web Browser.

- **3.** Using the IIS management console, add isapi_redirector2.dll as a filter in your IIS web site:
 - a. Right-click the **Default Web Site** item and select **Properties**.
 - In the Default Web Site Properties dialog box, select the ISAPI Filters tab.
 - **c.** Click **Add** to add a new filter with the following information:
 - a name of calligo servlet
 - the filter of the executable must be:

```
install_folder\3rd Party Components\tomcat\bin\
i386\isapi redirector2.dll
```

4. Update the following entry in C:\OPENTEXT\config\opentext.ini Calligo_locServlet=/calligo

Note: If the Livelink Server runs on a port other than the default one, add /calligo after the port number, for example:

```
Calligo_locServlet=:888/calligo
```

- **5.** Restart the Livelink Server service.
- **6.** Restart the Tomcat service.
- **7.** Restart IIS by stopping and starting the IIS Admin service.
- 8. Open the Internet Information Services Manager.
- 9. In the **Default Website Properties** dialog box of the IIS service, select the **ISAPI Filters** tab.
- **10.** Confirm that a green arrow appears in the **Status** column of the calligo_servlet filter.

If this arrow does not appear, you can still continue this procedure, but need to check for this arrow again after the final step, when you test the integration.

- 11. From the IIS management console, select **Web Service Extensions**.
- 12. Click Add a New Web Service Extension.
- 13. Enter an extension name, for example, Tomcat.
- **14.** Add the following file as a required file:

```
install\_folder \ 3rd \ Party \ Components \ bin \ is api \ redirector 2.dll
```

- **15.** Choose to allow the required file.
- **16.** To test the integration, in your web browser, log on to: http://localhost/calligo/test.do

Note: If SSL is enabled, enter https in the web address, instead of http.

A message like this should display:

Assembly Server Servlet Test succeeded on Wed Aug 11 15:43:53 EST 2009

17. If the green arrow did not appear in the **Status** column of the calligo_servlet filter (as described in steps 8 to 10), then repeat steps 10 to 12, and then check the status again.

Start the **ITLogServer** service if it is not already started.

Method: Create a User Account for Livelink Authentication

1. Add the following line to the [options] section of C:\OPENTEXT\config\opentext.ini: Calligo AllowTunneling=TRUE

- **2.** Restart the Livelink Server service.
- 3. Create a new Windows user account. This is a special user account that only Assembly Server and IStream Document Manager Proxy Services will use for Livelink authentication.

Important: For the user name, use only lowercase alphanumeric characters and no special characters, for example: livelink.

- **4.** Important: Add this user account to the Windows **Administrators** group, and also to the group that synchronizes with Directory Services.
- 5. In the **Directory Services Administration** section, select the **Configure Synchronization Sources** item.
- **6.** Click the **Synchronize now** button to synchronize the Directory Services.
- 7. Important: Go to the **Users & Group DMS** administration page and give the user account you created system administration rights.
- **8.** Configure IStream Document Manager Proxy and Assembly Server services to run under the user account you have just set up. If you run services as a Local System account, Directory Services will not be able to authenticate it.
- **9.** Restart the IStream Document Manager Proxy and Assembly Server services.

Stage 9: Disable Advanced Versioning

IStream Document Manager does not support the Livelink advanced versioning feature. You therefore need to disable this feature as follows:

- 1. In your browser, login to IStream Document Manager as an administrator.
- 2. In the System Administration Section, click Administer Item Control.
- 3. Clear the Enable advanced major/minor versioning for Documents in the system check box.
- 4. Click Save Changes.

Stage 10: Test the Installation

After you have installed the IStream Document Manager components, you should test your installation and set up your users and groups. For testing, begin with the default users and groups that are installed with IStream Document Manager.

Step A: Create a Test User

The first step in testing is to create a test user.

Method: Create a test user

- 1. In your browser, login to IStream Document Manager as an administrator.
- 2. In the **Enterprise Workspace**, from the **Enterprise** menu, select **Users & Groups**.
- 3. Click Add User.
- 4. In the Add New User page, enter testuser as the login name.
- 5. Select DefaultGroup from the **Department** drop-down list.
- **6.** Enter and verify a password.
- 7. Ensure **Log-in enable** is selected.
- 8. Click Submit.

The **Users and Groups** page opens.

- **9.** From the **Enterprise** menu, select **Workspace**.
- **10.** You must now set up testuser with write-access to the Enterprise Workspace: continue to the following procedure.

Step B: Configure the Test User

After setting up the test user, you need to configure it so that it has write-access to the Enterprise Workspace.

Method: Set up the test user for write access

- **1.** In the **Enterprise Workspace**, click the **Functions** drop-down list for the Enterprise workspace.
- **2.** From the **Functions** menu, select **Permissions**.
- 3. On the **Permissions** page, in the **Access List**, click the **Grant Access** button.
- 4. In the **Find** drop-down box, select **User Log-in**.
- 5. Enter testuser in the **For** text field and click **Find**.

The user name (testuser) is listed.

- 6. Click the **Grant Access** check box, then click **Submit**.
- 7. On the **Edit User Permission** page, select all the permissions for testuser.
- **8.** In the **Apply to** drop-down list, select **This Item & Sub-Items**.
- **9.** Click **Update**. A progress indicator displays.
- 10. When the **Status** field indicates that the process is finished, click **OK**.
- 11. Click **Done** in the left frame of the **Permissions** page.

You can now begin testing the IStream Document Manager components using the test user.

Step C: Test IStream Document Manager

Before testing other components of IStream Document Manager, you should first test the IStream Server.

Method: Test IStream Document Manager

- 1. In your browser, log in to IStream Document Manager as testuser: see *Step A: Create a Test User* on page 55.
- 2. In the Enterprise Workspace, click Add Folder.
- 3. In the Add:Folder page, name your folder testfolder and click Add.
 - Your new folder, testfolder, is included in the list of items in the Enterprise Workspace.
- 4. Click testfolder to ensure that you can access this folder. If you can access testfolder, IStream Document Manager is working. You can now test the other IStream Document Manager components.

Step D: Test IStream Author

Before testing the Author Workstation, confirm that your InfoSources are configured, and that the userinfo and serverinfo are set in Author and Assembler.

Method: Test IStream Author

This procedure explains how to author a model document and save it.

1. Open Author.

Note: If you are using Proxy IDs, ensure they are set up correctly. For details, see *Step B: Assign Proxy User IDs* on page 60.

2. The first time you open Author, you are prompted to enter your **User ID** and **Password**. Enter the testuser ID and password: see *Step A: Create a Test User* on page 55.

- 3. To set up the repository, from the **Author** menu, click **Options**.
- 4. Click Browse.
- **5.** Select a repository then click **OK**.
- **6.** In the **Options** window, click **OK**.
- 7. From the **File** menu, select **New Model Document**.
- **8.** Enter testmodel as the **master section** name: this is also the name for the model document.
- **9.** Verify that the repository is selected and click **OK**.
- **10.** Enter a simple rule in the master section of your model document such as:

TEXT

This is a test model document ENDTEXT

- 11. Click the **Save** button to save the model document.
- **12.** Click **Yes** to compile the section as it saves.
- **13.** Name the model document testmodel. Keep the name the same as the master section name.
- 14. Click Save.
- **15.** To test the generation in Author, click the **Author** drop-down list, then **Generate**.

This should produce a new IStream document from your model and display it in Microsoft Word.

16. Close Microsoft Word (without saving your changes) and then close Author.

You can now set the permissions for the model document if the document is stored in IStream Document Manager. You can also test the generation of a model document.

Stage 11: Configure and Test Models

Step A: Set the Model Permissions

Before a model document can be generated, permissions must be given to users if the document is stored in IStream Document Manager.

The following procedure explains how to give the test user permissions to generate the model document:

Method: Set model document generation permissions

- 1. In your browser, login to IStream Document Manager with the testuser ID:see *Step A: Create a Test User* on page 1.
- **2.** From the **Function** drop-down list, choose **Permissions** for the testmodel model document.
- 3. In the left frame, under the **Default Access** heading, click testuser.
- 4. Select the **Generate From Model** permission check box, then click **Update**.
- 5. Click **Done** in the left pane.

The permissions are set for testuser to generate the model document from IStream Document Manager.

Step B: Configure and Test Generation

Once a model document is created and permissions are given to the user, you can generate the model document: see *Step D: Test IStream Author* on page 2 and *Step A: Set the Model Permissions* on page 58.

Method: Configure and Test Generation

- **1.** Ensure that the Assembly Server service is started.
- **2.** If you are not already logged in, login to IStream Document Manager using the testuser ID and password: see *Step A: Create a Test User* on page 1.
- 3. Click Add IStream Document.
- **4.** Enter TestCalligoDocument as the document name.
- **5.** From the **Select Model** drop-down list, select testmodel, which is the model created in Author: (see *Step D: Test IStream Author* on page 2).
- **6.** Click **Add**. The document generates.
- 7. When it has completed, click **OK**.
- **8.** Locate and open the TestCalligoDocument to view the generated document in HTML format.

The installation of IStream Document Manager is now complete. The next, final stage describes how to design your users and groups.

Stage 12: Manage Users and Groups

Once the IStream Document Manager installation is complete, you can design the structure of your users and groups, create base groups and create larger groups out of smaller groups. You need to decide who should have the ability to create and edit users, and what the audit options should be and then set them.

Step A: Manage User Log-ins and Permissions

During the installation of IStream Document Manager, there are a number of user log-ins and permissions that must be managed.

Component	Item	
Microsoft Windows	login ID and password for the administrator	
SQL Server/Oracle	system administrator login ID and password	
IStream Document Manager	administrator login ID and password	
List of IStream Document Manager Users	login IDspasswordsassigned Assembly Server	
Assembly Server Service	login accounts under which the Assembly Server service will run	
Proxy Users	a proxy User ID and Password for each group and/ or user under an Assembly Server	
Folder Permissions	choose groups and users which have permissions in each folder for adding, deleting, and so on	
Model Documents	choose groups and users that have permission to generate from each model document	

During the initial configuration, log in everywhere using the admin user ID (Windows, SQL Server, IStream Document Manager). You may use a different log in at run time, but this log in must have access to the databases, network resources and any local files that will be used by IStream Document Manager.

Step B: Assign Proxy User IDs

IStream Document Manager uses the proxy user ID to access information in databases. You can assign a proxy user ID to groups of users or to individual users. If you do not indicate a proxy user ID for a particular user or group, then IStream Document Manager uses the login user ID.

Tip: For additional information about proxy users, see the *IStream Document Manager Technical Guide*.

Each proxy user ID must have a valid Windows user ID for the domain and must also be set up as a valid user of each database. If proxy users are not used, then the ID of each user with permission to generate documents must be set up as a valid user of each database. If a proxy user is set up in IStream Document Manager, it must be a valid user created in the IStream Document Manager.

RDBMS

If proxy users generate from model documents that require database access, ensure that the proxy user is set up as a database user.

IStream Document Manager

- 1. Log in to IStream Document Manager as the Administrator.
- **2.** Set up a list of users for each group, adding groups as necessary.
- **3.** Go to the permissions for each Assembly Server you are using and set up proxy users for each group.
- **4.** Ensure these proxy users are set up as database users on the RDBMS. The group proxy user can be overridden for specific users.
- **5.** Navigate to each folder and assign any specific user permissions such as add, delete and modify, on a group or user level.

Note: Refer to the *IStream Document Manager Technical Guide* for additional information on configuring your deployment.

Troubleshooting the Add-In

This section describes:

- the steps you can take if the Add-In does not appear
- issues you may encounter if you are using Microsoft Word 2007

Add-In Does Not Appear

This section describes steps you can take if the Add-In does not appear. Complete each procedure in the order it appears.

Exit and Reopen Microsoft Word

• Completely exit Microsoft Word, then open it again. If the Add-In still fails to load, continue to the next step.

Check Office Security Settings

- 1. In Microsoft Word, select **Tools** > **Macro** > **Security**.
- **2.** If you are using Word 2003, ensure that the **Security Level** is *not* set to **Very High**.
- **3.** Restart your computer.
- **4.** Open Microsoft Word again. If the Add-In still fails to load, continue to the next step.

Check the Add-In Directory Access

Ensure that the user has "read" access to the Add-In application directory. If the Add-In still fails to load, continue to the next step

Check the Word Startup Switch

If Word is launched using the /a startup switch, then the Add-In will not start.

After removing the switch, open Microsoft Word again. If the Add-In still fails to load, continue to the next step.

Check the Add-In Registry Setting

1. In the Windows Registry, navigate to the following registry key:

```
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Office\Word\
Addins\AuthorAddIn.Connect
```

2. Ensure that the value for LoadBehavior is 3:

```
"LoadBehavior"=dword:00000003
```

Open Microsoft Word again. If the Add-In still fails to load, continue to the next step.

Uninstall and Reinstall the Add-In

Uninstall then reinstall the Add-In.

If the add-in still fails to load, continue to the next and final step.

Back Up Log File and Contact Customer Support

- **1.** Back up your last current log file.
- **2.** Contact *Customer Support*: see on page 17.

Working with Microsoft Word 2007

This section describes how to resolve issues you may encounter if you are using Microsoft Word 2007.

IStream Add-In Initialization Error

If you are using Microsoft Word 2007 under Microsoft Windows XP and you receive an *IStream Add-In initialization failed* error, then ensure you have enabled .NET Programmability. To do this, select:

Control Panel > Add/Remove Programs > Microsoft Office 2007 > Add or Remove Features > Installation Options > Microsoft Office Word > .NET Programmability Support.

Security Warning

In Microsoft Word 2007, in the **Add-Ins** section of the **Trust Center**, if the checkbox for **Require Application Add-ins to be signed by Trusted Publisher** is selected, a security warning may appear when opening Microsoft Word. If so, click **Options**, then select **Enable all code published by this publisher**. -

Appendix A

Adding/Removing Components & Uninstalling

This appendix describes:

- Adding or Removing Components on page 66
- Uninstalling IStream Document Manager on page 67

Adding or Removing Components

You can to add or remove specific IStream Document Manager components from your system. To completely uninstall IStream Document Manager, see *Uninstalling IStream Document Manager* on page 67.

Method: Add or remove IStream Document Manager components

- 1. From the Control Panel, select Add/Remove Programs > IStream Document Manager.
- 2. Click Change/Remove.
- **3.** The **InstallShield Wizard** dialog box briefly appears.
- 4. Click **Modify**, then **Next**.
- 5. On the **Select Features** screen, select the cleared features you want to install or clear the selected features you want to uninstall.

The system will install the selected features, and remove the cleared features.

When the process is complete, the **Maintenance Complete** summary screen is displayed.

6. Click **Finish** to exit.

Uninstalling IStream Document Manager

This section describes how to completely uninstall IStream Document Manager. To add or remove specific components from your system, see *Adding or Removing Components* on page 66.

Step A: Uninstall IStream Document Manager

- 1. From the Control Panel, select Add/Remove Programs > IStream Document Manager.
- 2. Click Change/Remove.
- **3.** The **InstallShield Wizard** dialog box briefly appears.
- 4. Click **Remove**, then **Next**.
- 5. Click **OK** when prompted.

You are prompted whether you want to keep your current configuration files and settings We recommend that you click **Yes** to keep your configuration files and settings. The following actions will occur:

- the configuration files in \IStream\Components\Shared will be retained
- install_folder\Components\Shared\

will be backed up to

install folder\Components\Shared bak\

 all files in install_folder\3rd Party Components\ tomcat\webapps\calligo\conf\

and the following file

```
install_folder\3rd Party Components\tomcat\
config\server.xml
```

will be backed up to:

```
install folder\3rd Party Components\tomcat bak\
```

- In all cases, *install_folder* is the full path of your IStream Document Manager installation.
- the following registry value is retained: HKEY_LOCAL_MACHINE\SOFTWARE\Oracle\IStream

Please note:

- If you are reinstalling IStream Document Manager to a new location, the .idb file named local.idb will remain at the previous location.
- If you are reinstalling IStream Document Manager Servlet to the same location, you will need to remove and back up or rename the following folder:

```
[install_folder]\3rd Party Components\tomcat\
webapps\calligo
```

• If you are reinstalling to a new location and local.idb was your active .idb file, then it will not be automatically set as the active .idb file. Therefore, you can keep the previous local.idb file at the previous location and configure InfoConnector to point to it, or you can manually copy this file to the new location.

Warning: When prompted to keep your configuration files and settings, if you click **No**, then these files will be permanently deleted.

6. Click **Remove**, then click **Next**.

The system uninstalls IStream Document Manager.

When the uninstallation is complete, the **Maintenance Complete** summary screen is displayed.

7. Click **Finish** to exit.

Note: The following registry keys are not removed because they belong to third-party applications:

- HKEY CURRENT USER\Software\iTech Software
- HKEY LOCAL MACHINE\SOFTWARE\Apache Software Foundation
- HKEY LOCAL MACHINE\SOFTWARE\iTech Software
- HKEY LOCAL MACHINE\SOFTWARE\SCC
- HKEY_CLASSES_ROOT\ITLogbook.Document
- HKEY CLASSES ROOT\ITLogServerCom.Application
- HKEY CLASSES ROOT\ITLogServerCom.Application.1
- HKEY USERS\.DEFAULT\Software\SCC

Step B: Uninstall the IStream Document Manager module

1. Login to the **Livelink Administration** page:

http://server_name/service_name/livelink.exe?func= admin.index

- 2. Select Uninstall Modules > IStream 6.3.0 > Uninstall.
- **3.** When prompted, restart the Livelink Server.
- **4.** Delete the following subfolder:

```
Opentext install folder/staging/calligo 6 3 0
```

After you restart your system, this service will no longer appear.

Step C: Uninstall Assembly Server and Workstation

To uninstall the Assembly Server and Workstation, you need to manually delete any third party files used for integration with third party applications (OpenText Livelink or IBM WebSphere MQ).

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