Installing Financial Message Designer for AquaLogic Service Bus

Version 3.4

| INTRODUCTION | 4 |
|--|---------|
| SYSTEM REQUIREMENTS | 6 |
| INSTALLATION | 6 |
| INSTALLING FINANCIAL MESSAGE DESIGNER FOR AQUALOGIC SERVICE BUS INSTALLING COMPONENTS | 7 15 |
| STARTING FINANCIAL MESSAGE DESIGNER FOR AQUALOGIC SERVICE BUS | 15 |
| EXECUTING RUNTIME | 15 |
| UNINSTALLING FINANCIAL MESSAGE DESIGNER FOR AQUALOGIC SERVICE BUS. | 16 |

Introduction

What is FMD?

In general, processing of a message results in generation of another message. For example, when a new order message is processed, an invoice message needs to be generated. This can be thought of as conversion/transformation of one message to another message. Thus, message transformation is the process of converting/transforming one message to another message.

Financial Message Designer BEA provides a standard procedure for message transformation. At a basic level, it involves conversion of an external input message to an internal message (input transformation) and conversion of an internal message to an external output message (output transformation). Here, an internal message is a message standardized for use by the enterprise for a particular processing and an external message is a message defined outside the enterprise very often by a standards group (such as SWIFT).

Input transformation allows external messages of different standards (such as FIX, SWIFT), but for the same purpose, to be transformed into an internal message such that they are all processed in the same way.

Output transformation enables an internal message to be transformed into external messages of different standards, if required.

FMD suite involves the following applications and they are explained below.

<u>Financial Message Designer for AquaLogic Service Bus</u> and its <u>Components</u> <u>Runtime</u>

Financial Message Designer for AquaLogic Service Bus

Financial Message Designer for AquaLogic Service Bus is an integrated environment used for creating and managing a cartridge, which is a model that captures message formats, message mappings and message flows. Once a cartridge design is completed, it can be generated into platform specific code and deployed into Runtime. Once deployed, the runtime becomes capable of performing the transformations defined by that cartridge.

The Simulator application integrated with Designer allows testing of the components generated for the message, message mapping and message flow elements of a cartridge including persistence of messages. See the section <u>Installing Financial</u> <u>Message Designer for AquaLogic Service Bus</u> for information about installing Financial Message Designer for AquaLogic Service Bus.

Runtime

Once a cartridge design is completed, it can be generated into platform specific code. Designer supports code generation in Java/EJB platform. The generated code is bundled into components as specified in the code generation settings. These components can then be deployed under the platform specific runtime. Once deployed, the runtime becomes capable of performing the transformations defined by that cartridge.

Components

The distribution includes the components listed in the following table. See the section <u>Installing Components</u> for information about installing Designer components.

| ASCII Fixed Width Format Plug-in | This component allows creation of external messages in ASCII Fixed Width format. |
|----------------------------------|---|
| XML Format Plug-in | This component allows creation of external messages in XML format. |
| FIX Format Plug-in | This component allows creation of external messages in FIX format. |
| SWIFT Format Plug-in | This component allows creation of external messages in SWIFT format. |
| FCS/CMS Format Plug-in | This component allows creation of external messages in FCS/CMS format. |
| Universal Format Plug-in | This component allows creation of external messages in Universal format. |
| Web Forms Designer | This component allows designing web pages for internal messages. |
| SEPA | This component allows creation of external messages in XML (with ISO 20022 messages) format and Universal format. This also includes some SEPA messages. |
| SWIFT Messages | This component allows the SWIFT certified messages to be included with the SWIFT format. |
| Composer | This component is the base for all other components. The installation of all other |

| | components depends on Composer. |
|-----------|--|
| Conductor | This component allows creation of message flows. |

Make sure to read ReleaseNotes.doc under the

'<Designer-Root-Install Dir>\docs\ReleaseNotes' directory that contains information about the following:

Compatibility What's New Open Issues Upgrade Issues

See Also:

System Requirements Installation Starting Financial Message Designer for AquaLogic Service Bus Executing Runtime Uninstalling Financial Message Designer for AquaLogic Service Bus

System Requirements

The following table lists the recommended system requirements.

| O/S | Designer requires Windows family of operating system preferably Windows NT platform (NT4, 2000, XP or 2003). | |
|-----------------|--|--|
| | The Java runtime is supported on any O/S that supports the Java 1.5 platform or later. | |
| RAM | A minimum of 512 MB | |
| Hard Disk Space | A minimum of 500 MB | |
| CPU | Pentium III or higher with clock speed of 400 MHz or higher | |

See Also:

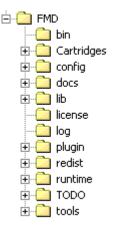
Installation

Installation

The setup program for Financial Message Designer for AquaLogic Service Bus is available as EXE file that can be run only under Windows family of operating

systems. During first installation, Composer should be installed with other components as other components installation depend on Composer and the components can be installed in any order.

The directory structure of Financial Message Designer for AquaLogic Service Bus after installation is as shown below.



See Also:

Installing Financial Message Designer for AquaLogic Service Bus Installing Components System Requirements Starting Financial Message Designer for AquaLogic Service Bus Executing Runtime Uninstalling Financial Message Designer for AquaLogic Service Bus

Installing Financial Message Designer for AquaLogic Service Bus

It is very easy to install Financial Message Designer for AquaLogic Service Bus and the information that are required during installation are,

- 1. BEA Home location
- 2. JRE Home location
- 3. Installation location (destination directory).

In other sections of this document, the installation directory is referred to as the root installation directory of Designer. Follow the steps given below to install Financial Message Designer for AquaLogic Service Bus.

1. Run the setup program fmd_alsb260.exe. For this you can double click on the file from Windows Explorer.

The Welcome page of installation wizard will appear and the wizard will guide you through the installation process.

| 😼 Financial Message Designer for AquaLogic Service Bus | | | |
|--|--|--|--|
| S Chear | Welcome to Financial Message Designer for AquaLogic Service Bus Setup program. This program will install Financial Message Designer for AquaLogic Service Bus on your computer. | | |
| | It is strongly recommended that you exit all Windows programs before running this Setup Program. Click Cancel to quit Setup and close any programs you have | | |
| | running. Click Next to continue with the Setup program. WARNING: This program is protected by copyright law and international treaties. | | |
| 5 | Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law. | | |
| | Next > Cancel | | |

- 2. Click the Next button
- 3. Click the Next button.

The 'BEA Home' page will appear.

| 覺 Financial Message Designer for AquaLogic | Service Bus | | |
|--|--|--|--|
| BEA Home | | | |
| Setup needs to install Financial Message Designe | r for AquaLogic Service Bus under ALSB folder. | | |
| Click Browse, and select the folder in which ALSB is installed. By default the application will be installed under it (for example c:\aqualogic\FMD). | | | |
| Also specify the home directory of JRE that should be used by Designer. | | | |
| BEA Home Folder | Browse | | |
| JRE Home | | | |
| | Bīowse | | |
| Wise Installation Wizard® | | | |
| | < <u>B</u> ack <u>Next</u> Cancel | | |

4. Select the BEA Home directory using the 'Select BEA Home Directory' dialog that will be shown when you click on the Browse button in the 'BEA Home Folder' pane.

| Select BEA Home Directory | × |
|---------------------------|----------|
| | ОК |
| 🞥 c:\ | |
| C Acrobat3 | Cancel |
| 🛅 adobeapp | |
| 🛅 alsb | |
| 📄 🛅 ant | -1 |
| 🛅 ant-1.4.1 | |
| 🛅 bea | |
| 🛅 bea1 | |
| Compuware | |
| 🛅 Documents and Settings | |
| 🛅 Email-3rdpartylibs . | -1 |
| | |
| | • |

5. Select the JRE Home directory using the 'Select JRE Home' dialog that will be shown when you click on the Browse button in the 'JRE Home' pane.

| Select JRE Home | × |
|---|--------|
| Unable to locate JRE under BEA home. Kindly select JDK directory installed under BEA home. | |
| C:\bea\jdk150_10 | ОК |
| / c:\ | Cancel |
| Din Dinclude | |
| | |
| | |
| | |
| | |

6. Click on the Next button.

'Destination Location' page will appear.

| 擧 Financial Message Designer for AquaLog | ic Service Bus |
|--|--------------------------------------|
| Destination Location | |
| By default setup installs Financial Message Desi folder (for example c:\aqualogic\FMD). You can | |
| Destination Folder | |
| C:\bea\FMD | Browse |
| Wise Installation Wizard® | < <u>B</u> ack <u>N</u> ext > Cancel |

7. If you want to install Financial Message Designer for AquaLogic Service Bus in a directory different from that of the one shown by the wizard, select that directory using the 'Select Destination Directory' dialog that will be shown when you click on the Browse button.

| Select Destination Directory | × |
|------------------------------|--------|
| D:\ALSB\FMD | OK |
| 🗁 d:\ 🎦 alsb | Cancel |
| | |
| | |
| | |
| | |
| | |

- 8. Click on the Next button.
- 9. Click Next button.

The 'Select Components' page will appear.

| 😼 Financial Message Des | signer for BE | A AquaLogic Service Bus Installation | × |
|---------------------------|----------------|---|----------|
| | -components. ` | I by checking the boxes below. Press the You don't have the license to install | |
| Components | | Messages | |
| Designer | 43336 k | SWIFT 13471 k | Options |
| ASCII Fixed Plug-in | 346 k | SEPA 13143 k | |
| FCS Plug-in | 1212 k | ▼ ISO 20022 17763 k | |
| 🔲 FIX Plug-in | 7211 k | ☐ FpML 15721 k | |
| 🔽 Universal Plug-in | 2495 k | When you install messages required 'Con | ponents' |
| 🗹 XML Plug-in | 8636 k | will also be installed. | |
| Other Components | | | |
| 🔽 Web Forms | 5489 k | | |
| Message Flow | 6923 k | | |
| Wise Installation Wizard® | | | |
| | | < <u>B</u> ack <u>N</u> ext > | Cancel |

- 10. You can uncheck the components that are not required for this installation. Please note that during first installation Composer should not be unchecked as installation of other components depends on Composer.
- 11. Clicking on the Options button will open the 'SWIFT Message Options' dialog.

| SWIFT Message Options | | × |
|--|-------------------------------|--------------|
| Category 1 Category 2 Category 3 | 37 k 26 k 85 k | OK Cancel |
| Category 4 Category 5 Category 6 Category 7 | 19 k 623 k 23 k 53 k | |
| Category 8 | 7 k 39 k | |

12. Click Next button.

The 'Start Installation' page will be displayed indicating that the wizard is ready to install Financial Message Designer for AquaLogic Service Bus.

| 擧 Financial Message Designer for AquaLog | ic Service Bus | |
|--|--|--|
| Start Installation | | |
| You are now ready to install Financial Messa | ge Designer for AquaLogic Service Bus. | |
| Press the Next button to begin the installation or the Back button to reenter the installation information. | | |
| | | |
| | | |
| | | |
| | | |
| Wise Installation Wizard® | | |
| | < <u>B</u> ack <u>N</u> ext> Cancel | |

13. Click the Next button to begin installing Financial Message Designer for AquaLogic Service Bus.

The 'Installing' page will appear and it includes progress bars to indicate the current status.

| Financial Message Designer for AquaLogic S | ervice Bus | | _ 🗆 X |
|--|------------|--------|--------|
| Installing | | | |
| Current File | 2 | | |
| Copying file: C:\bea\FMD\plugin\sql-addin.jar | | | |
| All Files | | | |
| Time Remaining 0 minutes 16 seconds | | | |
| | | | |
| Wise Installation Wizard® | | | |
| | < Back | Next > | Cancel |

The following page will be displayed indicating the successful completion of installation.

| 擧 Financial Message Design | er for AquaLogic Service Bus | X |
|----------------------------|--|---|
| | Financial Message Designer for AquaLogic Service Bus has been successfully installed. Press the Finish button to exit this installation. | |
| | < <u>B</u> ack Finish > Cance | |

14. Clicking the Finish button will complete the Installation of 'Financial Message Designer for AquaLogic Service Bus'.

See Also:

Installation

Installing Components

The steps required to install a component are same as that of installing Financial Message Designer for AquaLogic Service Bus. You must be careful to install the components under the root installation directory of Financial Message Designer for AquaLogic Service Bus. For example, if Financial Message Designer for AquaLogic Service Bus is installed under the C:\bea\FMD directory, the components should also be installed under the C:\bea\FMD directory. Please note that when you install additional components, only check the components that needs to be installed. Uncheck all the other components including composer (since composer is already installed).

See Also:

Installation

Starting Financial Message Designer for AquaLogic Service Bus

To start Financial Message Designer for AquaLogic Service Bus, select the **Programs** group from the **Start** menu and then select **Designer** menu item from the **Financial Message Designer for BEA AquaLogic Service Bus** menu.

The Designer utilities are available under the 'tools' subdirectory of the root installation directory of Financial Message Designer for AquaLogic Service Bus. The batch files for the tools assume that you are working on Windows NT based platform (Windows 2000, XP or 2003).

See Also:

Installation Executing Runtime

Executing Runtime

The runtime depends on the platform in which you have generated code for a cartridge. You need to deploy the generated components under the platform specific runtime to perform transformations defined in the components. Financial Message Designer for AquaLogic Service Bus supports code generation in Java/EJB platform. If

you have generated code in Java platform, the generated components can be deployed under the runtime environment: EJB Server under Weblogic as AquaLogic Service Bus resource.

See Also:

Starting Financial Message Designer for AquaLogic Service Bus

Uninstalling Financial Message Designer for AquaLogic Service Bus

Financial Message Designer for AquaLogic Service Bus and its components can be uninstalled using the following syntax.

UNWISE.EXE <installation log file>

Here, <installation log file> refers to the name of the log file created during installation of Financial Message Designer for AquaLogic Service Bus. The user should specify the name of the installation log file corresponding to Financial Message Designer for AquaLogic Service Bus.

Follow the steps given below to uninstall Financial Message Designer for AquaLogic Service Bus or any of its installed components.

1. Invoke the UNWISE.EXE program by passing it the name of the installation log file corresponding to Financial Message Designer for AquaLogic Service Bus.

The 'Select Uninstall Method' dialog will be shown.

| Financial Message Designer for AquaLogic Service Bus | | | | |
|---|--|--|--|--|
| Select Uninstall Method | | | | |
| Welcome to the Financial Message Designer for AquaLogic Service Bus uninstall program. | | | | |
| You can choose to automatically uninstall this software or to choose exactly which changes are made to your system. | | | | |
| Select the Custom button to choose which modifications to make during the uninstall. Select the Automatic button for the default uninstall options. Select Repair to reinstall changed files/registry keys (requires installation media). | | | | |
| Automatic | | | | |
| © Custom | | | | |
| | | | | |
| | | | | |
| Wise Installation Wizard® | | | | |
| < Back Next > Cancel | | | | |

2. Select the Automatic option (recommended) and click on the Next button.

The 'Perform Uninstall' dialog will be shown.

| Financial Message Designer for AquaLogic Service Bus |
|--|
| Perform Uninstall |
| You are now ready to uninstall the Financial Message Designer for AquaLogic Service Bus from your system. |
| Press the Finish button to perform the uninstall. Press the Back button to change any of the uninstall options. Press the Cancel button to exit the uninstall. |
| Wise Installation Wizard® < Back Finish Cancel |

3. Click on the Finish button to start uninstalling Volante Designer corresponding to the specified installation log file.

| Financial Message Designer for BEA AquaLogic Service Bus | × | | | | |
|--|-----|--|--|--|--|
| Perform Uninstall | | | | | |
| Performing uninstall of Financial Message Designer for BEA AquaLogic Service Bus | | | | | |
| Press the Cancel button to cancel the uninstall process and exit this program. | | | | | |
| Removing File: D:\\FMD 1.0\redist\java\com\tplus\transform\runtime\bean\0utputFormatLocal.class | | | | | |
| | | | | | |
| Wise Installation Wizard® < Back Finish Can | cel | | | | |

When uninstall is completed the dialog exits and all the files are removed from the destination folder.

See Also:

Installing Financial Message Designer for AquaLogic Service Bus Installing Components