

Installing Financial Message Designer for AquaLogic Service Bus

Version 3.5



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Introduction

What is Financial Message Designer?

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 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.

FINANCIAL MESSAGE DESIGNER suite involves the following applications and they are explained below.

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

Financial Message Designer for BEA AquaLogic Service Bus

Financial Message Designer for BEA AquaLogic Service Bus is an integrated environment used for creating and managing a cartridge, which is a model that captures message formats and message mappings. 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 and message mapping of a cartridge including persistence of messages. See the section <u>Installing Financial Message Designer for</u>



<u>BEA AquaLogic Service Bus</u> for information about installing Financial Message Designer for BEA 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. Please note that the actual products in your distribution will depend on the products you have licensed. See the section <u>Installing Components</u> for information about installing Designer components.

Base Product	 Base Products includes the following components: Composer ASCII Delimited ASCII Fixed Width XML Universal Cobol Copybook Web forms Designer
SWIFT Adapter	 In addition to Base Product, SWIFT Adapter includes the following: SWIFT MT (all user, system and service messages for both SRG 2008 and 2007 will be bundled together) SWIFT MX
FIX Adapter	In addition to Base Product, FIX Adapter includes the following: • FIX (all versions including 5.0) • CMS • FIXML (all versions including 5.0)
Payments Adapter	In addition to Base Product, Payments Adapter



	 includes the following: SWIFT MT (categories 1,2,9,n) SWIFT MX (payment category) SEPA EDI plug-in (PAYMUL, CONTRL, BANSTA messages) ISO 8583 BAI2
Derivatives Adapter	 In addition to Base Product, Derivatives Adapter includes the following: FpML (versions 4.0 to 4.4) SWIFT MT (category 3) FIX and FIXML (version 4.4 and 5.0)

See Also:

<u>System Requirements</u> <u>Installation</u> <u>Starting Financial Message Designer for AquaLogic Service Bus</u> <u>Executing Runtime</u> <u>Uninstalling Financial Message Designer for AquaLogic Service Bus</u>

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 BEA AquaLogic Service Bus is available as EXE file that can be run only under Windows family of operating systems.

The directory structure of Financial Message Designer for BEA 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 BEA AquaLogic Service Bus

It is very easy to install Financial Message Designer for BEA 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 BEA AquaLogic Service Bus.

1. Run the setup program fmd_alsb30.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.



2. Click the Next button, the 'BEA AquaLogic Service Bus Home' page will appear.



😼 Financial Message Designer for BEA AquaLogic Service Bus 👘	
BEA Aqualogic Service Bus Home Select the folder under which BEA AquaLogic Service Bus is installed	ORACLE
Setup needs to install Financial Message Designer V3.5 under AquaLog Click Browse, and select the folder in which BEA AquaLogic Service Bu the application will be installed under it (for example c:\aqualogic\FMD) Also specify the home directory of JRE that should be used by Designe	gic Service Bus folder. us is installed. By default r.
BEA Home Folder	
	Bīowse
┌JRE Home	
D:\bea\jdk150_11\jre	Browse
< <u>B</u> ack	Next> Cancel

3. 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 AquaLogic Service Bus Home Folder' pane.Click OK button to continue.

Select BEA Home Directory	—
D:\bea	ОК
🗁 d\ 🔺	
🛅 \$Recycle.Bin	Cancel
📄 🛅 alsb	
💼 ant 🗉	
💼 banu	
📄 💼 bea 💷 💷	
📄 🧰 data	
🛅 Documents and Settings	
En FH_Suite	
🛅 inetpub	
🛅 j2sdk1.4.2_13 🚽	
🖃 d: new volume 💽	

4. Select the JRE Home directory using the 'Select JRE Home' dialog that will be shown when you click on the Browse button in the 'BEA AquaLogic Service Bus Home Folder' pane. Click OK button to continue.



Select JRE Home	X
Kindly select JDK/JRockit directory installed under BEA home	
D:\bea\jdk150_11\jre	
C→ d:\	ОК
idk150_11	
ie iie	Cancel
🛑 bin	
🖃 d: new volume	

5. Click on the Next button and 'Destination Location' page will appear.

😼 Financial Message Designer for BEA AquaLogic Service Bus 🚽	×
Destination Location Select the folder under which Financial Message Designer for BEA AquaLogic Service Bus must be installed.	ORACLE
By default, setup installs Financial Message Designer for BEA AquaLog under ALSB folder (for example c:\aqualogic\FMD). You can choose to destination folder.	ic Service Bus o change the
Destination Folder D:\bea\FMD	Browse
< <u>B</u> ack	Next > Cancel



6. If you want to install Financial Message Designer for BEA 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 and click OK button to continue.

Select Destination Directory	— ×-
D:\ALSB\FMD	OK
🗁 d:\ 🍋 alsb	Cancel
🖬 d: new volume 💌	

Click Next button. The 'Select Components' page will appear as shown below:



🙀 Financial Message Designer for BEA AquaLogic Service Bus Installation 🛛 🛛 📧		
Select Components Choose the components y below.	you want to install by checking the boxes ORACL	E.
Components		
SWIFT Adapter	includes support for all SWIFT MT and MX messages	
✓ FIX Adapter	includes support for FIX, CMS and FIXML messages	
Payments Adapter	includes support for SEPA and all SWIFT, EDI, ISO 8583 and BAI2 Payments messages	
Derivatives Adapter	apter includes support for FpML, FIX, FIXML and all SWIFT Derivatives messages	
Note: Refer to the Installation Guide for additional details including versions of each format that is supported.		
	< <u>B</u> ack <u>N</u> ext > Can	cel

You can uncheck the components that are not required for this installation.

7. Click Next button.

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

😼 Financial Message Designer for BEA /	AquaLogic Service Bus
Start Installation Click 'Next' to start installation	ORACL
You are now ready to install Financial	Message Designer for BEA AquaLogic Service Bus.
information.	

8. Click the Next button to begin installing Financial Message Designer for BEA AquaLogic Service Bus and the 'Installing' page will appear and it includes progress bars to indicate the current status.



Financial Message Designer for BEA AquaLogic	Service Bus	s 🗖 🗖 💌
Installing		ORACLE
- Current File	A	
Copying file: D:\bea\FMD\Cartridges\Validation\InternalMess	sageCustom	Validation\java\execute
All Files		
Time Remaining 0 minutes 40 seconds		
Wise Installation Wizard®		
	< Back	Next > Cancel

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





9. Clicking the Finish button will complete the Installation of 'Financial Message Designer for BEA 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 BEA AquaLogic Service Bus. You must be careful to install the components under the root installation directory of Financial Message Designer for BEA AquaLogic Service Bus. For example, if Financial Message Designer for BEA AquaLogic Service Bus is installed under the **D:\bea** directory, the components should also be installed under the **D:\bea\FMD** directory. Each of the adapter components will independently constitute a complete installation. –i.e. they will include a complete installation of the base product and the relevant components. If more than one component is selected, only the additional components will be installed.

Base product:

The base product will include the following:

• Composer

All generic plug-ins including:

- ASCII Delimited
- ASCII Fixed Width
- XML
- Universal
- Cobol Copybook
- Web forms Designer

SWIFT Adapter:

If SWIFT Adapter is selected, the following will be installed in addition to the base product

- SWIFT MT (all user, system and service messages for both SRG 2008 and 2007 will be bundled together)
- SWIFT MX



FIX Adapter:

If FIX Adapter is selected, the following will be installed in addition to the base product

- FIX (all versions including 5.0)
- CMS
- FIXML (all versions including 5.0)

Payments Adapter:

If Payment Adapter is selected, the following will be installed in addition to the base product

```
SWIFT MT (categories 1,2,9,n)
SWIFT MX (payment category)
SEPA
EDI plug-in (PAYMUL, CONTRL, BANSTA messages)
ISO 8583
BAI2
```

Derivatives Adapter:

If Derivatives Adapter is selected, the following will be installed in addition to the base product

FpML (versions 4.0 to 4.4) SWIFT MT (category 3) FIX and FIXML (version 4.4 and 5.0)

See Also:

Installation

Starting Financial Message Designer for BEA AquaLogic Service Bus

To start Financial Message Designer for BEA 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 BEA 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 BEA 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: Server under Weblogic as AquaLogic Service Bus resource.

See Also:

Starting Financial Message Designer for AquaLogic Service Bus



Uninstalling Financial Message Designer for BEA AquaLogic Service Bus

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

1. Open the Control Panel and Double click on 'Add or Remove Programs' .

F Control Panel			
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools <u>H</u> elp	A.		
🔇 Back 👻 🕤 👻 🏂 Search 🌔 Folders 🛛 🕼 🍞 🗙 🏹 🖽 -			
Address 🔂 Control Panel			
Name 🔺	Comments		
🔥 Accessibility Options	Adjust your comput		
💐 Add Hardware	Installs and trouble		
📷 Add or Remove Programs	Install or remove pr		
i Administrative Tools	Configure administr		
🌯 Automatic Updates	Set up Windows to		
🚰 Date and Time	Set the date, time,		
S Display	Change the appear		
GM Folder Options	Customize the displ		
🔁 Fonts	Add, change, and		
Came Controllers	Add, remove, and c		
Internet Options	Configure your Inte		
👙 Java	Java(TM) Control P		
a 💩 Keyboard	Customize your key		
	Changes licensing o		
🧶 Mail	Microsoft Outlook P		
Mouse	Customize your mo		
Install or remove programs and Windows components.			

2. Add or Remove Programs Dialog box opens as shown below:



🐞 Add or Rer	nove Programs	
5	Currently installed programs: 🔲 Show up <u>d</u> ates	Sort by: Name
C <u>n</u> ange or Remove	🛃 FCS/CMS Format Plug-in Beta	Size 6,433.00MB 🔺
Programs	🙀 Financial Message Designer for ALSB 3.0	Size 1,040.00MB
5	🔀 Financial Message Designer for BEA AquaLogic Service Bus	Size <u>0.89MB</u>
Add <u>N</u> ew Programs	Click here for support information.	
1	To change this program or remove it from your computer, click Change/Remove.	Change/Remove
Add/Remove	🛃 FIX Format Plug-in	
	🔂 ForeHelp Premier 2001	Size 1.69MB
Components	🛃 HASP4 Device Drivers	
	🙀 Intel(R) Extreme Graphics Driver Software	
	🍰 J2SE Development Kit 5.0	Size 184.00MB
	👍 J2SE Runtime Environment 5.0	Size 98.03MB

Select 'Financial Message Designer for BEA AquaLogic Service Bus' and Click on Change/Remove textbox. The Welcome page of Uninstallation wizard will appear and the wizard will guide you through the Uninstallation Process.





Click Next button, 'Select Components' dialog box will appear as shown below:

🙀 Financial Message Designer for BEA AquaLogic Service Bus uninstallation 🛛 🛛 📧			
Select Components Choose the components you want to uninstall by checking the boxes below. You haven't installed components that are disabled.			
Components			
SWIFT Adapter	includes support for all SWIFT MT and MX messages		
🔽 FIX Adapter	includes support for FIX, CMS and FIXML messages		
Payments Adapter	includes support for SEPA and all SWIFT, EDI, ISO 8583 and BAI2 Payments messages		
Derivatives Adapter	includes support for FpML, FIX, FIXML and all SWIFT Derivatives messages		
	(<u>< B</u> ack <u>N</u> ext > Cancel		

You can uncheck the components that are not required for this uninstallation.

3. Click Next button.

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



🥞 Financial Message Designer for BEA AquaLogic Service Bus	X		
Start uninstallation	ORACLE		
You are now ready to uninstall components of Financial Message Designer for BEA AquaLogic Service Bus.			
Press the Next button to begin uninstallation or the Back button to information.) reenter the uninstallation		
< <u>B</u> ack	Next > Cancel		

4. Click the Next button to begin Uninstalling Financial Message Designer for BEA AquaLogic Service Bus.The 'Uninstalling' page will appear and it includes progress bars to indicate the current status.

Finally the 'Uninstallation Complete' page will be displayed as shown below, indicating the successful completion of Uninstallation.





5. Clicking the Finish button will complete the Uninstallation of 'Financial Message Designer for BEA AquaLogic Service Bus'.

See Also:

Installing Financial Message Designer for AquaLogic Service Bus Installing Components