



BEA AquaLogic™ BPM Workspace Extensions

Installation and Upgrade Guide

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Contents

1. Welcome

How to Use This Book	1-1
Audience	1-1
Organization	1-1
Typographical Conventions	1-2
BEA Documentation and Resources	1-3

2. Installation Prerequisites

Hardware and Software Requirements	2-1
--	-----

3. Quickstart Overview

Installation	3-1
Install AquaLogic BPM Enterprise	3-1
Install AquaLogic BPM Workspace Extensions	3-2
Configure the Process Database	3-2
Configuring the Process Database on Microsoft SQL Server	3-2
Configuring the Process Database on Oracle	3-2
Configure WebLogic and WebSphere with ALBPM Workspace Extensions Shared Libraries	3-3
Configuring Shared Libraries in WebLogic	3-3
Configuring Shared Libraries in WebSphere	3-4
Deploy the Process PTE	3-5
Start the BEA ALI Identity Service	3-5

Configure an ALBPM Workspace Extensions Directory Service	3-5
Configure an ALBPM Workspace Extensions Engine	3-6
Create the Engine Database	3-6
Configure WebLogic or WebSphere for AquaLogic BPM	3-7
Upgrade	3-7

4. Installing AquaLogic BPM Workspace Extensions

Installing AquaLogic BPM Enterprise	4-1
Remove the IBM JSF Implementation from WebSphere	4-2
Completing the Installer Wizard Pages	4-2
Configuring the Process Database	4-3
Configuring the Process Database on Microsoft SQL Server.	4-3
Configuring the Process Database on Oracle.....	4-3
Configuring WebLogic and WebSphere with ALBPM Workspace Extensions Shared Libraries	4-4
Configuring Shared Libraries in WebLogic	4-4
Configuring Shared Libraries in WebSphere	4-5
Deploying the Process PTE	4-5
Starting the BEA AquaLogic Interaction Identity Service.....	4-6
Configuring an ALBPM Workspace Extensions Directory Service	4-6
Configuring an ALBPM Workspace Extensions Engine.....	4-8
Configuring an Engine for AquaLogic BPM Enterprise Standalone	4-8
Configuring an Engine for AquaLogic BPM Enterprise for WebLogic	4-9
Configuring an Engine for AquaLogic BPM Enterprise for WebSphere	4-11
Creating the Engine Database	4-12
Configuring WebLogic or WebSphere for AquaLogic BPM	4-12

5. Upgrading AquaLogic BPM Workspace Extensions

Upgrading to ALBPM Workspace Extensions 5.7 MP3	5-2
---	-----

ALBPM WE 5.7 MP3 on ALBPM Enterprise Standalone	5-2
ALBPM WE 5.7 MP3 on ALBPM Enterprise WebLogic or WebSphere	5-4
Upgrading to ALBPM Workspace Extensions 5.7 MP2	5-6
ALBPM WE on ALBPM Enterprise Standalone	5-6
ALBPM WE on ALBPM Enterprise WebLogic or WebSphere.	5-9
Upgrading to ALBPM Workspace Extensions from 5.7 MP1	5-13
Upgrading from ALIP 1.5 to ALBPM Workspace Extensions 5.7	5-13

A. Installation Logs

ALBPM Workspace Extensions Enterprise.	A-1
--	-----

B. Uninstalling AquaLogic BPM Workspace Extensions

Welcome

This book describes how to install and deploy AquaLogic BPM Workspace Extensions 5.7. It also provides instructions for upgrading to ALBPM Workspace Extensions 5.7 from earlier versions.

How to Use This Book

This guide has been designed to be a quick reference for users with installation experience, while also providing detailed instructions for users installing for the first time.

Audience

This guide is written for the user responsible for installing or upgrading ALBPM Workspace Extensions. This user must have strong knowledge of the platform operating system, database, web and application servers, and any other third-party software required for installation.

Organization

This guide includes the following chapters:

- This chapter provides information on how to use this guide and describes other resources available to help install, deploy, upgrade, and administer ALBPM Workspace Extensions.
- [Chapter 2, “Installation Prerequisites,”](#) provides hardware and software requirements, as well as environmental and third-party software prerequisites. You must read this chapter and meet the prerequisites prior to proceeding to the installation or upgrade.

- [Chapter 3, “Quickstart Overview,”](#) provides a high level overview of the ALBPM Workspace Extensions installation and upgrade procedures. Sufficient detail is provided to allow an experienced portal administrator to quickly install or upgrade ALBPM Workspace Extensions. Cross-references link the high level tasks to detailed procedures in other chapters.
- [Chapter 4, “Installing AquaLogic BPM Workspace Extensions,”](#) provides detailed instructions for installing and configuring ALBPM Workspace Extensions.
- [Chapter 5, “Upgrading AquaLogic BPM Workspace Extensions,”](#) provides detailed instructions for upgrading to ALBPM Workspace Extensions 5.7.
- Appendices provide additional information useful in installing and upgrading ALBPM Workspace Extensions:
 - [Appendix A, “Installation Logs,”](#) provides the location of installation logs.
 - [Appendix B, “Uninstalling AquaLogic BPM Workspace Extensions,”](#) provides details for uninstalling ALBPM Workspace Extensions.

Typographical Conventions

This book uses the following typographical conventions.

Table 0-1 Typographical Conventions

Convention	Typeface	Examples/Notes
<ul style="list-style-type: none"> • File names • Folder names • Screen elements 	bold	<ul style="list-style-type: none"> • Upload Procedures.doc to the portal. • The log files are stored in the logs folder. • To save your changes, click Apply Changes.
<ul style="list-style-type: none"> • Text you enter 	computer	Type Marketing as the name of your community.
<ul style="list-style-type: none"> • Variables you enter 	computer with angle brackets (<>)	Enter the base URL for the Remote Server. For example, <code>http://<my_computer>/</code> .
<ul style="list-style-type: none"> • New terms • Emphasis • Object example names 	<i>italic</i>	<ul style="list-style-type: none"> • <i>Portlets</i> are Web tools embedded in your portal. • The URI <i>must</i> be a unique number. • The example Knowledge Directory displayed in Figure 5 shows the <i>Human Resources</i> folder.

BEA Documentation and Resources

This section describes other documentation and resources provided by BEA.

Table 0-2 BEA Documentation and Resources

Resource	Description
Release Notes	<p>The release notes provide information about new features, issues addressed, and known issues in the release.</p> <p>They are available on edocs.bea.com and on the application CD.</p>
Administrator Guide	<p>This guide describes how to manage and maintain ALBPM Workspace Extensions.</p> <p>It is available on edocs.bea.com.</p>
Online Help	<p>The online help is written for all levels of ALBPM Workspace Extensions users. It describes the user interface for ALBPM Workspace Extensions and gives detailed instructions for completing tasks in ALBPM Workspace Extensions.</p> <p>To access online help, click the help icon.</p>
Deployment Guide	<p>This guide is written for business analysts and system administrators. It describes how to plan your AquaLogic User Interaction deployment.</p> <p>It is available on edocs.bea.com.</p>
dev2dev.bea.com	<p>Download developer tools and documentation, get help with your development project, and interact with other developers via BEA's dev2dev newsgroups.</p>

Table 0-2 BEA Documentation and Resources

Resource	Description
AquaLogic User Interaction Support Center	<p data-bbox="413 390 1166 591">The AquaLogic User Interaction Support Center is a comprehensive repository for technical information on AquaLogic User Interaction products. From the Support Center, you can access products and documentation, search knowledge base articles, read the latest news and information, participate in a support community, get training, and find tools to meet most of your AquaLogic User Interaction-related needs. The Support Center encompasses the following communities:</p> <p data-bbox="413 607 680 633">Technical Support Center</p> <p data-bbox="413 647 1166 704">Submit and track support incidents and feature requests, search the knowledge base, access documentation, and download service packs and hotfixes.</p> <p data-bbox="413 718 537 744">User Group</p> <p data-bbox="413 758 1126 815">Visit the User Group section to collaborate with peers and view upcoming meetings.</p> <p data-bbox="413 829 575 855">Product Center</p> <p data-bbox="413 869 1157 927">Download products, read release notes, access recent product documentation, and view interoperability information.</p> <p data-bbox="413 940 595 966">Developer Center</p> <p data-bbox="413 980 1166 1038">Download developer tools and documentation, get help with your development project, and interact with other developers via BEA's dev2dev newsgroups.</p> <p data-bbox="413 1052 610 1078">Education Services</p> <p data-bbox="413 1091 1166 1149">Find information about available training courses, purchase training credits, and register for upcoming classes.</p> <p data-bbox="413 1163 1069 1246">If you do not see the Support Center when you log in to http://support.plumtree.com, contact ALUISupport@bea.com for the appropriate access privileges.</p>

Table 0-2 BEA Documentation and Resources

Resource	Description
Technical Support	<p>If you cannot resolve an issue using the above resources, BEA Technical Support is happy to assist. Our staff is available 24 hours a day, 7 days a week to handle all your technical support needs.</p> <p>E-mail: ALUISupport@bea.com</p> <p>Phone Numbers:</p> <p>U.S.A. +1 866.262.PLUM (7586) or +1 415.263.1696</p> <p>Europe +44 1494 559127</p> <p>France +33 1.46.91.86.79</p> <p>Australia/NZ +61 2.9923.4030</p> <p>Asia Pacific +61 2.9931.7822</p> <p>Singapore +1 800.1811.202</p>

Welcome

Installation Prerequisites

Before installing ALBPM Workspace Extensions, ensure that the following prerequisites have been met:

1. Read the product release notes for information on compatibility issues, known problems, and workarounds that might affect how you proceed with your deployment. Release notes are located in the Product Center.
2. Provision host computers and configure them for the ALBPM Workspace Extensions deployment. For details, see [“Hardware and Software Requirements”](#) on page 2-1.

Hardware and Software Requirements

The following table summarizes the hardware and software requirements for the ALBPM Workspace Extensions deployment.

Note: These hardware and software requirements supersede the requirements in the AquaLogic BPM Installation and Upgrade guide. For the most current platform support information, refer to the Interoperability Matrix in the Product Center.

Note: Collaboration 4.2 and AquaLogic Interaction 6.1 are required to invoke business processes from Collaboration documents.

Component	Requirement
Host Computer	Minimum Hardware <ul style="list-style-type: none"> • 2 GB RAM • 2 GHz Pentium IV • 3 GB available harddrive space Operating System <ul style="list-style-type: none"> • AIX 5.3 • Red Hat Enterprise Linux 3 Update 3, on x86 • Solaris 8 and 9 on SPARC • SUSE Enterprise Linux 9, on x86 • Windows 2000 SP4, on x86 • Windows 2003 SP1, on x86
Portal Component	<ul style="list-style-type: none"> • AquaLogic Interaction 6.0, 6.0 SP1, 6.1, and 6.1 MP1 • Plumtree Corporate Portal 5.0.5 and 5.0.5J
AquaLogic Interaction Collaboration (Optional)	<ul style="list-style-type: none"> • 4.0.2^
Application Server	<ul style="list-style-type: none"> • BEA WebLogic 9.2 • IBM WebSphere 6.0.2, on AIX only
Database Server	<ul style="list-style-type: none"> • Microsoft SQL Server 2000 SP3a^ • Oracle 9i (9.2.0.4^) in default or Oracle RAC configuration • Oracle 10g (10.1.0.3^) in default or Oracle RAC configuration
JVM	<ul style="list-style-type: none"> • Sun 1.5.0_04^ on all other platforms
Browser	<ul style="list-style-type: none"> • IE 6.0 • Firefox 1.1, 1.5 • Netscape 7.2 • Safari 2.0.4^

Quickstart Overview

This chapter provides brief, high level instructions for the installation and upgrade of BEA AquaLogic BPM Workspace Extensions, and is intended to quickly guide experienced administrators through the installation or upgrade procedure. More detailed instructions are provided in the following chapters.

This chapter is divided into two major sections:

- [“Installation” on page 3-1](#). This section covers installing the ALBPM Workspace Extensions components. Detailed instructions for the topics in this section can be found in [Chapter 4, “Installing AquaLogic BPM Workspace Extensions.”](#)
- [“Upgrade” on page 3-7](#). This section covers upgrading to ALBPM Workspace Extensions 5.7. Detailed instructions for the topics in this section can be found in [Chapter 5, “Upgrading AquaLogic BPM Workspace Extensions.”](#)

Installation

Install AquaLogic BPM Enterprise

Acquire and run the installer for one of the following:

- AquaLogic BPM Enterprise Standalone 5.7 MP2
- AquaLogic BPM Enterprise for WebLogic 5.7 MP2
- AquaLogic BPM Enterprise for WebSphere 5.7 MP2

For AquaLogic BPM Enterprise for WebLogic, ensure that the WebLogic license is updated with the AquaLogic BPM license information.

For details on installing these products, see the *Installation and Upgrade Guide for AquaLogic BPM*.

Caution: Do not configure an AquaLogic BPM directory or JDBC datasources at this time.

Install AquaLogic BPM Workspace Extensions

Acquire and run the installer for ALBPM Workspace Extensions 5.7.

For details on running the ALBPM Workspace Extensions installer, see [“Completing the Installer Wizard Pages” on page 4-2](#).

For ALBPM Enterprise for WebLogic, ensure the WebLogic license is updated with the AquaLogic BPM Workspace Extensions license information.

Configure the Process Database

Create the database and user for the process database, as entered into the AquaLogic BPM Workspace Extensions installer wizard.

Script the database for process and the BEA ALI Identity Service. Run the following scripts against the process database in the order described.

Configuring the Process Database on Microsoft SQL Server

Run all scripts as the database user specified during installation.

From <INSTALL_DIR>/ptprocess/1.7/sql/mssql/

1. create_tables.sql
2. seeddata.sql

From <INSTALL_DIR>/ptids/1.2/sql/mssql/

3. create_schema.sql

Configuring the Process Database on Oracle

Run the first two scripts as sysdba user. Run all subsequent scripts as the database user specified during installation.

From <INSTALL_DIR>/ptprocess/1.7/sql/<DB_TYPE>/

1. create_table_space.sql
2. create_user.sql
3. create_tables.sql
4. load_seed_info.sql

From <INSTALL_DIR>/ptids/1.2/sql/<DB_TYPE>/

5. create_schema.sql

For details on creating the process database, see [“Configuring the Process Database” on page 4-3.](#)

Configure WebLogic and WebSphere with ALBPM Workspace Extensions Shared Libraries

Configuring Shared Libraries in WebLogic

1. Stop the WebLogic server on the AquaLogic BPM WebLogic domain.
2. Copy the following libraries to the shared libraries directory of the AquaLogic BPM WebLogic domain.
 - <INSTALL_DIR>/al bpm5.7/j2ee wl/j2ee/common/lib/fuegoj2ee-lib-all.jar
 - <INSTALL_DIR>/al bpm5.7/j2ee wl/ext/fuegoconn-plumtree.jar
 - <INSTALL_DIR>/al bpm5.7/j2ee wl/ext/fuegofdi-plumtree.jar
 - <INSTALL_DIR>/al bpm5.7/j2ee wl/libraries/plumtree/aopalliance-1.0.jar
 - <INSTALL_DIR>/al bpm5.7/j2ee wl/libraries/plumtree/burlap-2.1.12.jar
 - <INSTALL_DIR>/al bpm5.7/j2ee wl/libraries/plumtree/hessian-2.1.12.jar
 - <INSTALL_DIR>/al bpm5.7/j2ee wl/libraries/plumtree/hydrogen-commons-core-1.2.0.jar
 - <INSTALL_DIR>/al bpm5.7/j2ee wl/libraries/plumtree/hydrogen-directory-api-1.2.0.jar
 - <INSTALL_DIR>/al bpm5.7/j2ee wl/libraries/plumtree/plbase.jar
 - <INSTALL_DIR>/al bpm5.7/j2ee wl/libraries/plumtree/ploracle.jar
 - <INSTALL_DIR>/al bpm5.7/j2ee wl/libraries/plumtree/plsqlserver.jar
 - <INSTALL_DIR>/al bpm5.7/j2ee wl/libraries/plumtree/plutil.jar

- <INSTALL_DIR>/albpm5.7/j2eewl/libraries/plumtree/spring-1.2.2.jar
- <INSTALL_DIR>/albpm5.7/j2eewl/webapps/portal/WEB-INF/lib/commons-httpclient-3.0.1.jar
- <INSTALL_DIR>/albpm5.7/j2eewl/webapps/portal/WEB-INF/lib/commons-codec-1.3.jar

3. Start the WebLogic server on the AquaLogic BPM WebLogic domain.

Configuring Shared Libraries in WebSphere

Create a shared library instance for the ALBPM Workspace Extensions libraries. The libraries must be in this order:

1. <INSTALL_DIR>/albpm5.7/j2eews/j2ee/common/lib/fuegoj2ee-lib-all.jar
2. <INSTALL_DIR>/albpm5.7/j2eews/j2ee/websphere/was6stubs/fuegoj2ee-was6-stubs.jar
3. <INSTALL_DIR>/albpm5.7/j2eews/ext/fuegoconn-plumtree.jar
4. <INSTALL_DIR>/albpm5.7/j2eews/ext/fuegofdi-plumtree.jar
5. <INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/aopalliance-1.0.jar
6. <INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/burlap-2.1.12.jar
7. <INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/hessian-2.1.12.jar
8. <INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/hydrogen-commons-core-1.2.0.jar
9. <INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/hydrogen-directory-api-1.2.0.jar
10. <INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/plbase.jar
11. <INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/ploracle.jar
12. <INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/plsqlserver.jar
13. <INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/plutil.jar
14. <INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/spring-1.2.2.jar
15. <INSTALL_DIR>/albpm5.7/j2eews/webapps/portal/WEB-INF/lib/commons-httpclient-3.0.1.jar
16. <INSTALL_DIR>/albpm5.7/j2eews/webapps/portal/WEB-INF/lib/commons-codec-1.3.jar

Deploy the Process PTE

Use the migration tool to import the Process PTE file. The file is located:

`<INSTALL_DIR>/ptprocess/1.7/serverpackages/.`

Import **process-6x.ptc** for 6.x versions of the portal (Plumtree Foundation or ALI). Import **process-5x.ptc** for 5.x versions of the portal (Plumtree Corporate Portal 5.x).

Note: If installing with ALBPM Enterprise WebLogic or WebSphere, the Remote Server objects in the Portal must be edited to point to the WebLogic or WebSphere server.

The Remote Server objects that must be edited are in the Remote Server section of the **Process** folder in portal administration.

For details on importing a PTE file, see the Administrator guide for the appropriate version of the portal.

Start the BEA ALI Identity Service

Start the ALI Identity Service using the OS appropriate script in:

`<INSTALL_DIR>/ptids/1.2/bin/`

From the command line, in Windows run

service console

in Linux or Unix run

./service.sh console

The service should start without error.

For details on starting the ALI Identity Service, see [“Starting the BEA AquaLogic Interaction Identity Service” on page 4-6](#).

Configure an ALBPM Workspace Extensions Directory Service

Prior to configuring the directory service, ensure that the ALI Identity Service and the ALI API service are running.

To configure a data service for ALBPM Workspace Extensions:

1. From **AquaLogic BPM Administration Console | Configuration** click **Add...**

2. Select **Create New Directory** and click **OK**.
3. For **Provider** choose either **Oracle (ALI)** or **SQLServer (ALI)**.
4. Complete the fields for the directory service and click **Start**.

For details on creating the data service for ALBPM Workspace Extensions, see [“Configuring an ALBPM Workspace Extensions Directory Service” on page 4-6](#)

Configure an ALBPM Workspace Extensions Engine

To create an ALBPM Workspace Extensions engine:

1. In AquaLogic BPM Administrator Console, ensure that the AquaLogic BPM Workspace starts when the BPM Web Application starts. Start the BPM Web Application.
2. Log into the ALI portal as a Process Administrator.
3. In Administration, select the **Process Administrator** utility.
4. Add an engine with a **Type** matching your install of AquaLogic BPM (enterprise, weblogic, or websphere). For **Engine Database Type** choose either **Oracle (ALI)** or **SQLServer (ALI)**. Click **Next**.
5. Enter connection properties for the database to be used. User and database/schema fields refer to the user and database or schema to be created. Click **Next**.
6. Ensure all configurations are correct. Configure mail properties under the **Networking** tab.
7. Save the engine.

For details, see [“Configuring an ALBPM Workspace Extensions Engine” on page 4-8](#)

Create the Engine Database

From the Engine Advanced Properties, click **Manage Database**. Enter a database user name and password with permission to create a database/schema, and check boxes next to **Create the database** and **Create the data structure**.

Click **OK** to generate the database, or click **Show SQL Statements** to have a DBA review the SQL and generate the database offline.

For details on the engine database creation process, see [“Creating the Engine Database” on page 4-12](#).

Configure WebLogic or WebSphere for AquaLogic BPM

For deployments of AquaLogic BPM Enterprise for WebLogic or AquaLogic BPM Enterprise for WebSphere, the respective application servers must be configured **prior to deploying the engine**. For details, see the *Administrator Guide for AquaLogic BPM*, *Create a Process Execution Engine on WebLogic* or *Create a Process Execution Engine on WebSphere*.

Upgrade

To upgrade to ALBPM WE 5.7 MP2, see [Chapter 5, “Upgrading AquaLogic BPM Workspace Extensions.”](#)

Quickstart Overview

Installing AquaLogic BPM Workspace Extensions

This chapter provides detailed instructions for installing the ALBPM Workspace Extensions. For a less detailed overview of the installation process, see [Chapter 3, “Quickstart Overview.”](#)

To install ALBPM Workspace Extensions, follow in instructions in the following sections in the order presented.

Installing AquaLogic BPM Enterprise

Acquire and run the installer for one of the following:

- AquaLogic BPM Enterprise Standalone 5.7 MP2
- AquaLogic BPM Enterprise for WebLogic 5.7 MP2
- AquaLogic BPM Enterprise for WebSphere 5.7 MP2

For ALBPM Enterprise for WebLogic, ensure that the WebLogic license is updated with the ALBPM license information.

For details on installing these products, see the *Installation and Upgrade Guide for AquaLogic BPM*.

Caution: Do not configure an AquaLogic BPM directory or JDBC datasources at this time.

Remove the IBM JSF Implementation from WebSphere

On WebSphere, move the files **jsf-api.jar** and **ws-jsf.jar** from the WebSphere/AppServer/lib directory to the WebSphere/AppServer directory.

Completing the Installer Wizard Pages

Acquire and launch the ALBPM Workspace Extensions installer appropriate for your platform.

The following table describes the ALBPM Workspace Extensions installer wizard pages for all platforms. Depending on your configuration, not all installer wizard pages may be displayed..

Table 0-1 ALBPM Workspace Extensions Installer Wizard Pages

Wizard Page	Description
License Agreement	Read and accept the license agreement.
Choose Install Set	Choose whether to install AquaLogic Interaction Process, the Image Service components, or both.
Installation Folder	The default install directory is recommended.
HTTP Port for the Portal Identity Service	Choose any free port. The default is recommended.
AquaLogic BPM 5.7 Installation Type	Choose Standalone, WebLogic, or WebSphere.
AquaLogic BPM 5.7 Folder	The directory where ALBPM 5.7 is installed.
Host Name	The fully qualified domain name of this host.
Plumtree Foundation Database	The AquaLogic Interaction portal database type, either SQL Server or Oracle.
Plumtree Foundation Database Connection Information	The database connection information for the AquaLogic Interaction database.
Process Execution Engine: Database Connection	The database connection information for the Process database. This database will be created later.

Table 0-1 ALBPM Workspace Extensions Installer Wizard Pages

Wizard Page	Description
Image Service Location	The location of the portal image service.
Pre-Installation Summary	Review the summary and click Install .

Configuring the Process Database

Create the database and user for the process database, as entered into the AquaLogic BPM Workspace Extensions installer wizard.

Script the database for process and the BEA ALI Identity Service. Run the following scripts against the process database in the following order:

Configuring the Process Database on Microsoft SQL Server

Run all scripts as the user specified when installing.

From `<INSTALL_DIR>/ptprocess/1.7/sql/mssql/`

1. `create_tables.sql`
2. `seeddata.sql`

From `<INSTALL_DIR>/ptids/1.2/sql/mssql/`

3. `create_schema.sql`

Configuring the Process Database on Oracle

Run the first two scripts as sysdba user. Run all subsequent scripts as the database user specified during installation.

From `<INSTALL_DIR>/ptprocess/1.7/sql/<DB_TYPE>/`

1. `create_table_space.sql`
2. `create_user.sql`
3. `create_tables.sql`
4. `load_seed_info.sql`

From <INSTALL_DIR>/ptids/1.2/sql/<DB_TYPE>/

5. create_schema.sql

Configuring WebLogic and WebSphere with ALBPM Workspace Extensions Shared Libraries

Configuring Shared Libraries in WebLogic

1. Stop the WebLogic server on the AquaLogic BPM WebLogic domain.
2. Copy the following libraries from to the shared libraries directory of the AquaLogic BPM WebLogic domain.
 - <INSTALL_DIR>/albpm5.7/j2eewl/j2ee/common/lib/fuegoj2ee-lib-all.jar
 - <INSTALL_DIR>/albpm5.7/j2eewl/ext/fuegoconn-plumtree.jar
 - <INSTALL_DIR>/albpm5.7/j2eewl/ext/fuegofdi-plumtree.jar
 - <INSTALL_DIR>/albpm5.7/j2eewl/libraries/plumtree/aopalliance-1.0.jar
 - <INSTALL_DIR>/albpm5.7/j2eewl/libraries/plumtree/burlap-2.1.12.jar
 - <INSTALL_DIR>/albpm5.7/j2eewl/libraries/plumtree/hessian-2.1.12.jar
 - <INSTALL_DIR>/albpm5.7/j2eewl/libraries/plumtree/hydrogen-commons-core-1.2.0.jar
 - <INSTALL_DIR>/albpm5.7/j2eewl/libraries/plumtree/hydrogen-directory-api-1.2.0.jar
 - <INSTALL_DIR>/albpm5.7/j2eewl/libraries/plumtree/plbase.jar
 - <INSTALL_DIR>/albpm5.7/j2eewl/libraries/plumtree/ploracle.jar
 - <INSTALL_DIR>/albpm5.7/j2eewl/libraries/plumtree/plsqlserver.jar
 - <INSTALL_DIR>/albpm5.7/j2eewl/libraries/plumtree/plutil.jar
 - <INSTALL_DIR>/albpm5.7/j2eewl/libraries/plumtree/spring-1.2.2.jar
 - <INSTALL_DIR>/albpm5.7/j2eewl/webapps/portal/WEB-INF/lib/commons-httpclient-3.0.1.jar
 - <INSTALL_DIR>/albpm5.7/j2eewl/webapps/portal/WEB-INF/lib/commons-codec-1.3.jar

The WebLogic shared libraries directory is typically

`\bea\user_projects\domains\<domain>\lib\`

3. Start the WebLogic server on the AquaLogic BPM WebLogic domain.

Configuring Shared Libraries in WebSphere

Create a shared library instance for the ALBPM Workspace Extensions libraries. The libraries must be in this order:

1. `<INSTALL_DIR>/albpm5.7/j2eews/j2ee/common/lib/fuegoj2ee-lib-all.jar`
2. `<INSTALL_DIR>/albpm5.7/j2eews/j2ee/websphere/was6stubs/fuegoj2ee-was6-stubs.jar`
3. `<INSTALL_DIR>/albpm5.7/j2eews/ext/fuegoconn-plumtree.jar`
4. `<INSTALL_DIR>/albpm5.7/j2eews/ext/fuegofdi-plumtree.jar`
5. `<INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/aopalliance-1.0.jar`
6. `<INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/burlap-2.1.12.jar`
7. `<INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/hessian-2.1.12.jar`
8. `<INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/hydrogen-commons-core-1.2.0.jar`
9. `<INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/hydrogen-directory-api-1.2.0.jar`
10. `<INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/plbase.jar`
11. `<INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/ploracle.jar`
12. `<INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/plsqlserver.jar`
13. `<INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/plutil.jar`
14. `<INSTALL_DIR>/albpm5.7/j2eews/libraries/plumtree/spring-1.2.2.jar`
15. `<INSTALL_DIR>/albpm5.7/j2eews/webapps/portal/WEB-INF/lib/commons-httpclient-3.0.1.jar`
16. `<INSTALL_DIR>/albpm5.7/j2eews/webapps/portal/WEB-INF/lib/commons-codec-1.3.jar`

Deploying the Process PTE

Use the migration tool to import the process PTE file. The file is located in the following directory:

<INSTALL_DIR>/ptprocess/1.7/serverpackages/.

Import **process-6x.ptc** for 6.x versions of the portal (Plumtree Foundation or AquaLogic Interaction). Import **process-5x.ptc** for 5.x versions of the portal (Plumtree Corporate Portal 5.x).

Note: If installing with ALBPM Enterprise WebLogic or WebSphere, the Remote Server objects in the Portal must be edited to point to the WebLogic or WebSphere server.

The Remote Server objects that must be edited are in the Remote Server section of the Process folder in portal administration.

For details on importing a PTE file, see the Administrator guide for the appropriate version of the portal.

Starting the BEA AquaLogic Interaction Identity Service

Start the BEA AquaLogic Interaction Identity Service using the OS appropriate script in the following directory:

<INSTALL_DIR>/ptids/1.2/bin/

From the command line in Windows run

service console

In Linux or Unix run

./service.sh console

The service should start without error.

Configuring an ALBPM Workspace Extensions Directory Service

Prior to configuring the directory service, ensure that the BEA ALI Identity Service and the ALI API service are running.

To configure a data service for ALBPM Workspace Extensions:

1. Open the **AquaLogic BPM Administration Console**
2. Click **Configuration**.
3. Click **Add...**
4. Select **Create New Directory** and click **OK**.

5. Enter a name for the directory service in the **Directory ID** field.
6. For **Provider** choose either **Oracle (ALI)** or **SQLServer (ALI)**.
Caution: Do not use any of the other JDBC providers.
7. For **ALI Directory Service Host** and **ALI Directory Service Port** enter the connection that was specified when installing ALBPM Workspace Extensions.
8. The **ALI EDK Service Endpoint URL** points to the server hosting the API service. If defaults were accepted when installing the portal, the URL is **http://<PORTAL_HOST>:11905/ptapi/services/QueryInterfaceAPI**.
9. The **ALI Administrator password** is the password for the Administrator user of the portal installation.

Note: If the box next to **Create SQL Script** is checked the database will not be scripted but rather scripts will be generated. The database administrator user and password do not need to be supplied. This allows a DBA to review the scripts and create the Directory Service by hand.

The following tables detail the remaining fields for each database:..

Table 0-2 Configuring the ALBPM Workspace Extensions on Oracle

Setting	Description
Database Host	The host name or IP address of the Oracle database server.
Database Port	The port on the database host that Oracle is listening to.
Organization Logical Name	The organization within AquaLogic BPM this directory will belong to. This can be any string.
Administrator User	A user with administrator access to Oracle. This user must have permissions necessary to create a new schema.
Administrator Password	The password of the administrator user.
Schema Name	The name for the schema to be created for this AquaLogic BPM directory.
Schema Password / Confirm Password	The password for the schema to be created.
SID	The SID for the Oracle database.

Table 0-3 Configuring the ALBPM Workspace Extensions on SQL Server

Setting	Description
Database Host	The host name or IP address of the SQL Server database server.
Database Port	The port on the database host that SQL Server is listening to.
Organization Logical Name	The organization within AquaLogic BPM this directory will belong to. This can be any string.
Administrator User	A user with administrator access to SQL Server. This user must have permissions necessary to create a new database.
Administrator Password	The password of the administrator user.
Database	A name for the database to be created for this AquaLogic BPM directory.
Login Name	A name for the database user to be created for this AquaLogic BPM directory.
Login Password / Confirm Password	A password for the database user to be created.

10. Verify the directory service. From the **Configuration** screen click **Check**.

Configuring an ALBPM Workspace Extensions Engine

Follow the instructions specific to the version of AquaLogic BPM Enterprise installed:

- [“Configuring an Engine for AquaLogic BPM Enterprise Standalone” on page 4-8](#)
- [“Configuring an Engine for AquaLogic BPM Enterprise for WebLogic” on page 4-9](#)
- [“Configuring an Engine for AquaLogic BPM Enterprise for WebSphere” on page 4-11](#)

Configuring an Engine for AquaLogic BPM Enterprise Standalone

To create an ALBPM Workspace Extensions engine:

1. Ensure that the AquaLogic BPM Workspace starts with the BPM Web Application:
 - a. From the AquaLogic BPM Administration Center, click **Configuration**.

- b. Click the **BPM Web Applications** tab.
 - c. Check the box next to **Start Workspace on BPM Web Applications Startup**.
 - d. Click **OK** and save the configuration.
2. From the AquaLogic BPM Administration Center, click **Start BPM Web Applications**.
3. Log into the ALI portal as a Process Administrator. For example, log in as *administrator*.
4. Go to **Administration**.
5. From the **Select Utility ...** dropdown, select **Process Administrator**.
6. Click **Engines**.
7. Click **Add**.
8. Enter a name for the engine.
9. For **Engine Type** choose **enterprise**. For **Engine Database Type** choose either **Oracle (ALI)** or **SQLServer(ALI)**.
10. Click **Next**.
11. Under **Properties**, enter database connection information. The user and database/schema supplied will be created for the engine.
12. Click **Next**.
13. Click the **Networking** tab. Enter an SMTP server and administrator email address.
14. Click **Save**.

Configuring an Engine for AquaLogic BPM Enterprise for WebLogic

To create an ALBPM Workspace Extensions engine:

1. Ensure that the AquaLogic BPM Workspace starts with the BPM Web Application:
 - a. From the AquaLogic BPM Administration Center, click **Configuration**.
 - b. Click the **BPM Web Applications** tab.
 - c. Check the box next to **Start Workspace on BPM Web Applications Startup**.

- d. Click **OK** and save the configuration.
2. From the AquaLogic BPM Administration Center, click **Start BPM Web Applications**.
3. Log into the ALI portal as a Process Administrator. For example, log in as *administrator*.
4. Go to **Administration**.
5. From the **Select Utility ...** dropdown, select **Process Administrator**.
6. Click **Engines**.
7. Click **Add**.
8. Enter a name for the engine.
9. For **Engine Type** choose **weblogic**. For **Engine Database Type** choose either **Oracle (ALI)** or **SQLServer(ALI)**.
10. Click **Next**.
11. Under **Properties**, enter database connection information. The user and database/schema supplied will be created for the engine.
12. Click **Next**.
13. Verify the JNDI properties. These are the same properties configured in WebLogic in the Administrator Guide for AquaLogic BPM, *Create a Process Execution Engine on WebLogic*.
14. For **BPM Application Deployer URL**, enter the URL for the BPM deployer application configured in the Administrator Guide for AquaLogic BPM, *Create a Process Execution Engine on WebLogic*.
15. Enter the WebLogic server or Cluster name.
16. Click **Next**.
17. Click the **Networking** tab. Enter the mail session JNDI name, SMTP server, and administrator email address. The mail session is configured in the Administrator Guide for AquaLogic BPM, *Create a Process Execution Engine on WebLogic*.
18. Click **Save**.

Configuring an Engine for AquaLogic BPM Enterprise for WebSphere

To create an ALBPM Workspace Extensions engine:

1. Ensure that the AquaLogic BPM Workspace starts with the BPM Web Application:
 - a. From the AquaLogic BPM Administration Center, click **Configuration**.
 - b. Click the **BPM Web Applications** tab.
 - c. Check the box next to **Start Workspace on BPM Web Applications Startup**.
 - d. Click **OK** and save the configuration.
2. From the AquaLogic BPM Administration Center, click **Start BPM Web Applications**.
3. Log into the ALI portal as a Process Administrator. For example, log in as *administrator*.
4. Go to **Administration**.
5. From the **Select Utility ...** dropdown, select **Process Administrator**.
6. Click **Engines**.
7. Click **Add**.
8. Enter a name for the engine.
9. For **Engine Type** choose **websphere**. For **Engine Database Type** choose either **Oracle (ALI)** or **SQLServer(ALI)**.
10. Click **Next**.
11. Under **Properties**, enter database connection information. The user and database/schema supplied will be created for the engine.
12. Verify the JNDI properties. These are the same properties configured in WebSphere in the Administrator Guide for AquaLogic BPM, *Create a Process Execution Engine on WebSphere*.
13. For **BPM Application Deployer URL**, enter the URL for the BPM deployer application configured in the Administrator Guide for AquaLogic BPM, *Create a Process Execution Engine on WebSphere*.
14. Enter the WebSphere server or Cluster name.
15. Click **Next**.

16. Click the **Networking** tab. Enter the mail session JNDI name, SMTP server, and administrator email address. The mail session is configured in the Administrator Guide for AquaLogic BPM, *Create a Process Execution Engine on WebSphere*.
17. Click **Save**.

Creating the Engine Database

After the AquaLogic BPM engine is created, the engine database must be scripted.

To create the engine database:

1. From the **Engines** page, click the name of the engine.
 2. Under **Advanced Properties**, click the **Manage Database** link.
 3. Check boxes next to **Create the database** and **Create the data structure**.
 4. Enter a database user name and password.
 - For Oracle, enter a user with administrator access to Oracle. This user must have permissions necessary to create a new schema.
 - For SQL Server, enter a user with administrator access to SQL Server. This user must have permissions necessary to create a new database.
 5. Click **OK**. The database is now scripted.
- Note:** To generate scripts to be reviewed by a DBA, click **Show SQL Statements** instead of **OK**. The database user and password do not need to be supplied.

Configuring WebLogic or WebSphere for AquaLogic BPM

For deployments of AquaLogic BPM Enterprise for WebLogic or AquaLogic BPM Enterprise for WebSphere, the respective application servers must be configured **prior to deploying the engine**. For details, see the *Administrator Guide for AquaLogic BPM, Create a Process Execution Engine on WebLogic* or *Create a Process Execution Engine on WebSphere*.

Upgrading AquaLogic BPM Workspace Extensions

This chapter describes the procedures for upgrading ALBPM Workspace Extensions. The following table summarizes the upgrade procedure. No other upgrade paths are supported.

Table 0-1 Upgrade Paths

Upgrade Paths	Upgrade references
ALBPM Workspace Extension 5.7 MP2 to ALBPM Workspace Extensions 5.7 MP3	<p>First, ensure that you have upgraded to ALBPM Workspace Extension MP2 using the procedures outlined in “Upgrading to ALBPM Workspace Extensions 5.7 MP2” on page 5-6.</p> <p>Then, upgrade to ALBPM Workspace Extensions MP3 by following the procedures outlined in “Upgrading to ALBPM Workspace Extensions 5.7 MP3” on page 5-2.</p>
ALBPM Workspace Extensions 5.7 to ALBPM Workspace Extensions 5.7 MP2	<p>Follow the procedures in “Upgrading to ALBPM Workspace Extensions 5.7 MP2” on page 5-6.</p>
ALIP 1.5 to ALBPM Workspace Extensions 5.7 MP2	<p>First, upgrade to ALBPM Workspace Extensions 5.7 by following the procedures in “Upgrading from ALIP 1.5 to ALBPM Workspace Extensions 5.7” on page 5-13.</p> <p>Then, upgrade to ALBPM Workspace Extensions 5.7 MP2 by following the procedures in “Upgrading to ALBPM Workspace Extensions 5.7 MP2” on page 5-6</p> <p>Note: It is only possible to upgrade from ALIP 1.5 to ALBPM Enterprise Standalone and ALBPM Workspace Extensions 5.7 MP2.</p>

Upgrading to ALBPM Workspace Extensions 5.7 MP3

This section describes how to upgrade from ALBPM Workspace Extensions 5.7 MP2 to 5.7 MP3. Before upgrading to 5.7 MP3, you should ensure that you have upgraded to 5.7 MP2. See [“Upgrading to ALBPM Workspace Extensions 5.7 MP2” on page 5-6](#) for more information.

- To upgrade ALBPM Workspace Extensions on ALBPM Enterprise Standalone, follow the instructions in [“ALBPM WE 5.7 MP3 on ALBPM Enterprise Standalone” on page 5-2](#).
- To upgrade ALBPM Workspace Extensions on ALBPM Enterprise WebLogic or WebSphere, follow the instructions in [“ALBPM WE 5.7 MP3 on ALBPM Enterprise WebLogic or WebSphere” on page 5-4](#).

ALBPM WE 5.7 MP3 on ALBPM Enterprise Standalone

To upgrade ALBPM Workspace Extensions 5.7 MP3:

Note: In the following procedures `INSTALL_DIR` is the path to the ALBPM 5.7 Enterprise Standalone installation. For example, `d:/bea/albpm5.7/enterprise`.

1. Download ALBPM WE 5.7 MP3 from the following location:

`http://commerce.bea.com/showproduct.jsp?family=ALBPMWSEXT&major=5.7&minor=3`

2. Expand `ALBPMWorkspaceExtensions_5-7_MP3_<platform>.zip`.

This file contains the following .zip files which are used to upgrade your ALBPM installation:

- `MaintenancePack.zip`
- `ImageServerMaintenancePack.zip`

Note: You do not need to run the installer to perform the upgrade to 5.7 MP3.

3. Stop the process execution engine using the ALBPM Process Administrator
4. Stop the BPM Application Server using the ALBPM Admin Center.
5. Upgrade ALBPM 5.7 SP1 to ALBPM 5.7 MP2. For details, see the *Installation and Upgrade Guide for AquaLogic BPM 5.7*.
6. Create a backup of the following directories:

```
<INSTALL_DIR>/webapps
<INSTALL_DIR>/j2ee
<ALUI_INSTALL_DIR>/ptimages/imageserver/plumtree/process/public/css/
```

7. Expand `MaintenancePack.zip` into the `INSTALL_DIR` directory.

The following files are updated in your ALBPM installation:

```
<INSTALL_DIR>/webapps/portal/ptjsp/audittrail.jsf
<INSTALL_DIR>/webapps/portal/ptjsp/detail-js.jsff
<INSTALL_DIR>/webapps/portal/ptjsp/detail-tasks.jsff
<INSTALL_DIR>/webapps/portal/ptjsp/reassign.jsf
<INSTALL_DIR>/webapps/portal/ptjsp/workitems.jsff
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_de.properties
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_en.properties
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_es.properties
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_fr.properties
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_it.properties
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_ja.properties
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_ko.properties
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_nl.properties
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_pt.properties
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_zh.properties
<INSTALL_DIR>/webapps/portal/ptjsp/executiondispatcher/closeWindow.jsp
<INSTALL_DIR>/webapps/portal/ptjsp/attachments/attachment-edit.jsf
<INSTALL_DIR>/webapps/portal/WEB-INF/server-config.wsdd
<INSTALL_DIR>/webapps/portal/WEB-INF/lib/ptprocessserver.jar
<INSTALL_DIR>/j2ee/common/templates/portal/base/WEB-INF/web.xml
```

Note: If you have made changes to your installation that required updating any of the above files, you may have to manually merge these files to retain your configuration changes.

8. Copy the `ptprocessserver.jar` file you just installed from:

```
<INSTALL_DIR>/webapps/portal/WEB-INF/lib/ptprocessserver.jar

to:

<INSTALL_DIR>/webapps/webconsole/WEB-INF/lib/ptprocessserver.jar
```

9. Expand `ImageServerMaintenancePack.zip` into your ALUI home directory.

The following file is updated:

```
<ALUI_INSTALL_DIR>/ptimages/imageserver/plumtree/process/public/css/
work-portal.css
```

10. Delete the contents of the Tomcat work directory located at:

```
<INSTALL_DIR>/enterprise/tomcat/work/
```

This removes any files cached by the Tomcat web server.

11. Restart the BPM Application Server using the Admin Center.

ALBPM WE 5.7 MP3 on ALBPM Enterprise WebLogic or WebSphere

To upgrade ALBPM Workspace Extensions 5.7 MP3:

Note: In the following procedures `INSTALL_DIR` is the path to the ALBPM 5.7 Enterprise installation for your application server. If you are using BEA WebLogic Server, for example, the default installation directory is `c:/bea/albpm5.7/j2eewl`. For WebSphere Application Server, the default installation directory is:
`c:/bea/albpm5.7/j2eewl`.

1. Download ALBPM WE 5.7 MP3 from the following location:

`http://commerce.bea.com/showproduct.jsp?family=ALBPMWSEXT&major=5.7&minor=3`

2. Expand `ALBPMWorkspaceExtensions_5-7_MP3_<platform>.zip`.

This file contains the following .zip files which are used to upgrade your ALBPM installation:

- `MaintenancePack.zip`
- `ImageServerMaintenancePack.zip`

Note: You do not need to run the installer to upgrade to 5.7 MP3.

3. Stop the process execution engine using the ALBPM Process Administrator
4. Stop the BPM Application Server using the ALBPM Admin Center.
5. Upgrade ALBPM 5.7 SP1 to ALBPM 5.7 MP2. For details, see the *Installation and Upgrade Guide for AquaLogic BPM 5.7*.
6. Stop your application server.
7. Remove generated JSP files:
 - a. Remove all directories in `<INSTALL_DIR>/tomcat/work/Catalina/localhost`.
 - b. Follow your application server's documentation for finding the directory for generated JSP files and delete that directory.
 - c. Remove all files in `<INSTALL_DIR>/<j2ee_version>/cache`.
8. Create a backup of the following directories:
`<INSTALL_DIR>/webapps`
`<INSTALL_DIR>/j2ee`
`<ALUI_INSTALL_DIR>/process/public/css`

9. Expand `MaintenancePack.zip` into the `%PT_HOME/albpm5.7/<j2ee_version>` directory.

The following files are updated in your ALBPM installation:

```
<INSTALL_DIR>/webapps/portal/ptjsp/audittrail.jsf
<INSTALL_DIR>/webapps/portal/ptjsp/detail-js.jsff
<INSTALL_DIR>/webapps/portal/ptjsp/detail-tasks.jsff
<INSTALL_DIR>/webapps/portal/ptjsp/reassign.jsf
<INSTALL_DIR>/webapps/portal/ptjsp/workitems.jsff
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_de.properties
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_en.properties
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_es.properties
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_fr.properties
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_it.properties
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_ja.properties
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_ko.properties
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_nl.properties
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_pt.properties
<INSTALL_DIR>/webapps/portal/WEB-INF/classes/messages_zh.properties
<INSTALL_DIR>/webapps/portal/ptjsp/executiondispatcher/closeWindow.jsp
<INSTALL_DIR>/webapps/portal/ptjsp/attachments/attachment-edit.jsf
<INSTALL_DIR>/webapps/portal/WEB-INF/server-config.wsdd
<INSTALL_DIR>/webapps/portal/WEB-INF/lib/ptprocessserver.jar
<INSTALL_DIR>/j2ee/common/templates/portal/base/WEB-INF/web.xml
```

Note: If you have made changes to your installation that required updating any of the above files, you may have to manually merge these files to retain your configuration changes.

10. Copy the `ptprocessserver.jar` file you just installed from:

```
<INSTALL_DIR>/webapps/portal/WEB-INF/lib/ptprocessserver.jar
```

to:

```
<INSTALL_DIR>/webapps/webconsole/WEB-INF/lib/ptprocessserver.jar
```

11. Expand `ImageServerMaintenancePack.zip` into your ALUI home directory.

The following file is updated:

```
<ALUI_INSTALL_DIR>/ptimages/imageserver/plumtree/process/public/css/
work-portal.css
```

12. Configure shared libraries. For details, see [“Configuring WebLogic and WebSphere with ALBPM Workspace Extensions Shared Libraries”](#) on page 4-4.

13. Regenerate the WorkSpace EAR:

- a. In the ALI Portal, go to Administration and open the Process Administrator.
 - b. On the Engines page, click the engine name.
 - c. On the Engines | Edit Engines page, click **J2EE Application Server Files (EARs, WARs)**.
 - d. Next to BEA AquaLogic BPM WorkSpace WAR, click the **Create WAR and EAR** icon.
 - e. To the right of the generated WorkSpace EAR file, click the **Re-Install WorkSpace EAR in the Application Engine** icon.
14. In the ALBPM Admin Center, start the BPM Application Server.
 15. In the ALBPM Process Administrator, start the Process Execution Engine.
 16. Restart the BPM Application Server using the Admin Center.

Upgrading to ALBPM Workspace Extensions 5.7 MP2

This section describes how to upgrade from ALBPM Workspace Extensions 5.7 to 5.7 MP2. To upgrade from ALIP 1.5, first follow the instructions to upgrade to ALBPM Workspace Extensions 5.7, then follow these instructions to install MP2.

- To upgrade ALBPM Workspace Extensions on ALBPM Enterprise Standalone, follow the instructions in [“ALBPM WE on ALBPM Enterprise Standalone” on page 5-6](#).
- To upgrade ALBPM Workspace Extensions on ALBPM Enterprise WebLogic or WebSphere, follow the instructions in [“ALBPM WE on ALBPM Enterprise WebLogic or WebSphere” on page 5-9](#).

ALBPM WE on ALBPM Enterprise Standalone

To upgrade to ALBPM Workspace Extensions 5.7 MP2:

1. In the ALBPM Process Administrator, stop the process execution engine.
2. In the ALBPM Admin Center, stop the BPM Application Server.
3. Upgrade ALBPM 5.7 SP1 to ALBPM 5.7 MP2. For details, see the *Installation and Upgrade Guide for AquaLogic BPM 5.7*.
4. Remove generated JSP files by removing all directories in:
 - a. `<INSTALL_DIR>/tomcat/work/Catalina/localhost`

- b. **<INSTALL_DIR>/cache**
5. In the **<INSTALL_DIR>/webapps/portal/WEB-INF** directory, rename **processreport-faces-config.xml** to **processreport-faces-config.xml.albpm57**.
6. Copy **processreport-faces-config.xml** from the **webapps/portal/WEB-INF** directory of the maintenance pack to **<INSTALL_DIR>/webapps/portal/WEB-INF**.
7. Delete **html_basic.tld** from **<INSTALL_DIR>/webapps/portal/WEB-INF/lib**.
8. Rename the following files in **<INSTALL_DIR>/webapps/portal/WEB-INF**:
 - a. **processreport-faces-config.xml** to **process-faces-config.xml.albpm57**
 - b. **server-config.wsdd** to **server-config.wsdd.albpm57**
 - c. **web.xml** to **web.xml.albpm57**
9. Copy **processreport-faces-config.xml**, **web.xml**, and **server-config.wsdd** from the **webapps/portal/WEB-INF** directory of the maintenance pack to **<INSTALL_DIR>/webapps/portal/WEB-INF**
10. Rename the following file in **<INSTALL_DIR>/webapps/portal/WEB-INF/lib**:
 - a. **ptprocessserver.jar** to **ptprocessserver.jar.albpm57**
11. Copy **commons-httpclient-3.0.1.jar** and **ptprocessserver.jar** in the **webapps/portal/WEB-INF/lib** directory of the maintenance pack to **<INSTALL_DIR>/webapps/portal/WEB-INF/lib**.
12. Make changes to **axis.jar** in **<INSTALL_DIR>/webapps/portal/WEB-INF/lib**:
 - a. Make a copy of **axis.jar.albpm57** and rename it to **axis.jar**
 - b. Open **axis.jar** in WinZip.
 - c. Extract **client-config.wsdd** to the root directory. Keep the directory structure, namely **org/apache/axis/client**. If you use the WinZip default option of “Use folder names”, this should create the directory structure. Make sure that there is not already an existing “org” folder in the root directory. Make sure that the extracted file is writable.
 - d. Open **client-config.wsdd** in a text editor and replace this element:

```
<transport name="http"
pivot=" java:org.apache.axis.transport.http.HTTPSender" />
```

with

```
<transport name="http"
pivot=" java:org.apache.axis.transport.http.CommonsHTTPSender" />
```

Save and close the file.

- e. Drag the “org” folder on top of the open WinZip window and click “Add”.
- f. Close WinZip.

13. In the **<INSTALL_DIR>/webapps/portal/ptjsp** directory, rename the following files:

- a. detail.jsff to detail.jsff.albpm57
- b. detail-attachments.jsff to detail-attachments.jsff.albpm57
- c. detail-knowledgebase.jsff to detail-knowledgebase.jsff.albpm57
- d. detail-notes.jsff to detail-notes.jsff.albpm57
- e. detail-standalone.jsff to detail-standalone.jsff.albpm57
- f. detail-tabs.jsff to detail-tabs.jsff.albpm57
- g. navigation-portlet.jsf to navigation-portlet.jsf.albpm57
- h. workitems.jsff to workitems.jsff.albpm57
- i. worklist-portlet.jsf to worklist-portlet.jsf.albpm57

14. Copy the following files from the **webapps/portal/ptjsp** directory of the maintenance pack to **<INSTALL_DIR>/webapps/portal/ptjsp**:

- a. detail.jsff
- b. detail-attachments.jsff
- c. detail-knowledgebase.jsff
- d. detail-notes.jsff
- e. detail-standalone.jsff
- f. detail-tabs.jsff
- g. navigation-portlet.jsf
- h. workitems.jsff
- i. worklist-portlet.jsf

15. In the **<INSTALL_DIR>/webapps/portal/ptjsp/executiondispatcher** directory, rename **closeWindow.jsp** to **closeWindow.jsp.albpm57**.
16. Copy **closeWindow.jsp** from the **webapps/portal/ptjsp/executiondispatcher** directory of the maintenance pack to **<INSTALL_DIR>/webapps/portal/ptjsp/executiondispatcher**
17. In the **<INSTALL_DIR>/webapps/portal/ptjsp/processreport** directory, rename **processreport.jsf** to **processreport.jsf.albpm57**.
18. Copy **processreport.jsf**, **processreport.jsff**, and **processreport-refresh.jsf** from the **webapps/portal/ptjsp/processreport** directory of the maintenance pack to **<INSTALL_DIR>/webapps/portal/ptjsp/processreport**.
19. In the **<INSTALL_DIR>/webapps/webconsole/ptjsp/console** directory, rename **chooseproject.jsp** to **chooseproject.jsp.albpm57**.
20. Copy **chooseproject.jsp** from the **webapps/webconsole/ptjsp/console** directory of the maintenance pack to **<INSTALL_DIR>/webapps/webconsole/ptjsp/console**
21. In the **<INSTALL_DIR>/webapps/webconsole/ptjsp/attachments** directory, rename **attachment-edit.jsf** to **attachment-edit.jsf.albpm57**.
22. Copy **attachment-edit.jsf** from the **webapps/webconsole/ptjsp/attachments** directory of the maintenance pack to **<INSTALL_DIR>/webapps/webconsole/ptjsp/attachments**
23. In the ALBPM Admin Center, start the BPM Application Server.
24. In the ALBPM Process Administrator, start the process execution engine.

ALBPM WE on ALBPM Enterprise WebLogic or WebSphere

To upgrade to ALBPM Workspace Extensions 5.7 MP2:

1. In the ALBPM Process Administrator, stop the process execution engine.
2. In the ALBPM Admin Center, stop the BPM Application Server.
3. Stop the WebLogic or WebSphere application server.
4. Upgrade ALBPM 5.7 SP1 to ALBPM 5.7 MP2. For details, see the *Installation and Upgrade Guide for AquaLogic BPM 5.7*.
5. Remove generated JSP files:
 - a. Remove all directories in **<INSTALL_DIR>/tomcat/work/Catalina/localhost**

- b. Follow your application server's documentation for finding the directory for generated JSP files and delete that directory.
 - c. Remove all files in **<INSTALL_DIR>/cache**
6. Delete **html_basic.tld** from **<INSTALL_DIR>/webapps/portal/WEB-INF/lib**.
7. Rename the following files in **<INSTALL_DIR>/webapps/portal/WEB-INF**:
 - a. **processreport-faces-config.xml** to **process-faces-config.xml.albpm57**
 - b. **server-config.wsdd** to **server-config.wsdd.albpm57**
 - c. **web.xml** to **web.xml.albpm57**
8. Copy **processreport-faces-config.xml**, **web.xml**, and **server-config.wsdd** from the **webapps/portal/WEB-INF** directory of the maintenance pack to **<INSTALL_DIR>/webapps/portal/WEB-INF**
9. Rename **web.xml** in **<INSTALL_DIR>/j2ee/common/templates/portal/base/WEB-INF** to **web.xml.albpm57**.
10. Copy **web.xml** from the **j2ee/common/templates/portal/base/WEB-INF** directory of the maintenance pack to **<INSTALL_DIR>/j2ee/common/templates/portal/base/WEB-INF**
11. Rename the following files in the **<INSTALL_DIR>/webapps/portal/WEB-INF/lib**:
 - a. **axis.jar** to **axis.jar.albpm57**
 - b. **ptprocessserver.jar** to **ptprocessserver.jar.albpm57**
12. Copy **commons-httpclient-3.0.1.jar** and **ptprocessserver.jar** in the **webapps/portal/WEB-INF/lib** directory of the maintenance pack to **<INSTALL_DIR>/webapps/portal/WEB-INF/lib**.
13. Make changes to **axis.jar** in **<INSTALL_DIR>/webapps/portal/WEB-INF/lib**:
 - a. Make a copy of **axis.jar** and rename it to **axis.jar.abpm57**.
 - b. Open **axis.jar** in WinZip.
 - c. Extract **client-config.wsdd** to the root directory. Keep the directory structure, namely **org/apache/axis/client**. If you use the WinZip default option of "Use folder names", this should create the directory structure. Make sure that there is not already an existing "org" folder in the root directory. Make sure that the extracted file is writable.
 - d. Open **client-config.wsdd** in a text editor and replace this element:

```
<transport name="http"
pivot=" java:org.apache.axis.transport.http.HTTPSender" />
```

with

```
<transport name="http"
pivot=" java:org.apache.axis.transport.http.CommonsHTTPSender" />
```

Save and close the file.

- e. Drag the “org” folder on top of the open WinZip window and click “Add”.
 - f. Close WinZip.
14. Make changes to **fuegoj2ee-lib-all.jar** in **<INSTALL_DIR>/j2ee/common/lib:**
- a. Make a copy of **fuegoj2ee-lib-all.jar** and rename it to **fuegoj2ee-lib-all.jar.albpm57**.
 - b. Open **fuegoj2ee-lib-all.jar** in WinZip.
 - c. Extract **org/apache/axis/client/client-config.wsdd** to the root directory. Keep the directory structure, namely **org/apache/axis/client**. If you use the WinZip default option of “Use folder names”, this should create the directory structure. Make sure that there is not already an existing “org” folder in the root directory. Make sure that the extracted file is writable.
 - d. Open **client-config.wsdd** in a text editor and replace this element:

```
<transport name="http"
pivot=" java:org.apache.axis.transport.http.HTTPSender" />
```

with

```
<transport name="http"
pivot=" java:org.apache.axis.transport.http.CommonsHTTPSender" />
```

Save and close the file.
 - e. Drag the “org” folder on top of the open WinZip window and click “Add”.
 - f. Close WinZip.
15. In the **<INSTALL_DIR>/webapps/portal/ptjsp** directory, rename the following files:
- a. **detail.jsff** to **detail-jsff.albpm57**
 - b. **detail-attachments.jsff** to **detail-attachments.jsff.albpm57**
 - c. **detail-knowledgebase.jsff** to **detail-knowledgebase.jsff.albpm57**

- d. detail-notes.jsff to detail-notes.jsff.albpm57
 - e. detail-standalone.jsff to detail-standalone.jsff.albpm57
 - f. detail-tabs.jsff to detail-tabs.jsff.albpm57
 - g. navigation-portlet.jsf to navigation-portlet.jsf.albpm57
 - h. workitems.jsff to workitems.jsff.albpm57
 - i. worklist-portlet.jsf to worklist-portlet.jsf.albpm57
16. Copy the following files from the **webapps/portal/ptjsp** directory of the maintenance pack to **<INSTALL_DIR>/webapps/portal/ptjsp**:
- a. detail.jsff
 - b. detail-attachments.jsff
 - c. detail-knowledgebase.jsff
 - d. detail-notes.jsff
 - e. detail-standalone.jsff
 - f. detail-tabs.jsff
 - g. navigation-portlet.jsf
 - h. workitems.jsff
 - i. worklist-portlet.jsf
17. In the **<INSTALL_DIR>/webapps/portal/ptjsp/executiondispatcher** directory, rename **closeWindow.jsp** to **closeWindow.jsp.albpm57**.
18. Copy **closeWindow.jsp** from the **webapps/portal /ptjsp/executiondispatcher** directory of the maintenance pack to **<INSTALL_DIR>/webapps/portal/ptjsp/executiondispatcher**
19. In the **<INSTALL_DIR>/webapps/portal/ptjsp/processreport** directory, rename **processreport.jsf** to **processreport.jsf.albpm57**.
20. Copy **processreport.jsf**, **processreport.jsff**, and **processreport-refresh.jsf** from the **webapps/portal/ptjsp/processreport** directory of the maintenance pack to **<INSTALL_DIR>/webapps/portal/ptjsp/processreport**.

21. In the `<INSTALL_DIR>/webapps/webconsole/ptjsp/attachments` directory, rename `attachment-edit.jsf` to `attachment-edit.jsf.albpm57`.
22. Copy **attachment-edit.jsf** from the `webapps/webconsole /ptjsp/attachments` directory of the maintenance pack to `<INSTALL_DIR>/webapps/webconsole/ptjsp/attachments`.
23. In the `<INSTALL_DIR>/webapps/webconsole/ptjsp/console` directory, rename `chooseproject.jsp` to `chooseproject.jsp.albpm57`.
24. Copy **chooseproject.jsp** from the `webapps/webconsole /ptjsp/console` directory of the maintenance pack to `<INSTALL_DIR>/webapps/webconsole/ptjsp/console`
25. Configure shared libraries. For details, see [“Configuring WebLogic and WebSphere with ALBPM Workspace Extensions Shared Libraries” on page 4-4](#).
26. Regenerate the WorkSpace EAR:
 - a. In the ALI Portal, go to Administration and open the Process Administrator.
 - b. On the Engines page, click the engine name.
 - c. On the Engines | Edit Engines page, click **J2EE Application Server Files (EARs, WARs)**.
 - d. Next to BEA AquaLogic BPM WorkSpace WAR, click the **Create WAR and EAR** icon.
 - e. To the right of the generated WorkSpace EAR file, click the **Re-Install WorkSpace EAR in the Application Engine** icon.
27. In the ALBPM Admin Center, start the BPM Application Server.
28. In the ALBPM Process Administrator, start the process execution engine.

Upgrading to ALBPM Workspace Extensions from 5.7 MP1

Upgrading from ALIP 1.5 to ALBPM Workspace Extensions 5.7

To upgrade to ALBPM Workspace Extensions 5.7 from ALIP 1.5:

1. Install AquaLogic BPM 5.7 SP1 and ALBPM Workspace Extensions 5.7. For details, see [“Installation” on page 3-1](#) or [Chapter 4, “Installing AquaLogic BPM Workspace Extensions.”](#)
2. For an **Oracle** database, run the following scripts in order:

- a. Against the directory database:

```
<INSTALL_DIR>/alui/ptprocess/1.7/sql/<DB>/upgrade_directorydb_5.5.8_to_5.5.11.sql
```

- b. Upgrade the AquaLogic BPM database by following the instructions in the **Upgrade** chapter of the **Installation Guide for AquaLogic BPM**

- c. Against the directory database:

```
<INSTALL_DIR>/alui/ptprocess/1.7/sql/<DB>/upgrade_directorydb_5.5_to_5.7.sql
```

Note: This script requires manual editing. Change the value of **YOUR_JDBC_USER*** to the name of the directory schema name appended by an *. For example, if the oracle schema name is *fdi_production*, replace **YOUR_JDBC_USER*** with *fdi_production**.

- d. Against the process database:

```
<INSTALL_DIR>/alui/ptprocess/1.7/sql/<DB>/upgrade_processdb_1.5_to1.7.sql
```

3. For a **SQL Server** database, run the following scripts in order:

- a. Against the directory database:

```
<INSTALL_DIR>/alui/ptprocess/1.7/sql/mssql/upgrade_directorydb_5.5.8_to_5.5.11.sql
```

- b. Against the directory database:

```
<INSTALL_DIR>/alui/ptprocess/1.7/sql/mssql/upgrade_directorydb_5.5_to_5.7.sql
```

Note: This script requires manual editing. Change the value of **YOUR_JDBC_USER*** to the name of the directory schema name appended by an *. For example, if the oracle schema name is *fdi_production*, replace **YOUR_JDBC_USER*** with *fdi_production**.

- c. Against the process database:

```
<INSTALL_DIR>/alui/ptprocess/1.7/sql/mssql/upgrade_processdb_1.5_to1.7.sql
```

4. Configure a directory service to use the existing directory service database.

- a. From the AquaLogic BPM Administration Console, click **Configuration**.
- b. To add a directory service, click **Add...**

- c. Select **Use Existing Directory**. Click **OK**.
- d. Enter a name for the directory service in the **Directory ID** field.
- e. For Provider choose either **Oracle (ALI)** or **SQLServer (ALI)**.
Caution: Do not use any of the other JDBC providers.
- f. Complete the directory service settings based on your existing database and ALI portal installation. For a description of directory service settings, see [“Configuring an ALBPM Workspace Extensions Directory Service” on page 4-6](#).
- g. Verify the directory service. From the Configuration page, click **Check**.

Installation Logs

This appendix describes where to find the log files generated by the installation of ALBPM Workspace Extensions.

ALBPM Workspace Extensions Enterprise

For AquaLogic BPM Enterprise Standalone, the installation log files are located in the following directory:

<INSTALL_DIR>\enterprise\log

For AquaLogic BPM Enterprise for WebLogic, the installation log files are located in the following directory:

<INSTALL_DIR>\j2eewl\log

For AquaLogic BPM Enterprise for WebSphere, the installation log files are located in the following directory:

<INSTALL_DIR>\j2eews\log

Installation Logs

Uninstalling AquaLogic BPM Workspace Extensions

This appendix describes how to uninstall the components of your ALBPM Workspace Extensions deployment.

1. In the Administrative Portal, from Process Administrator, stop all running engines.
2. If applicable, stop WebLogic or WebSphere.
3. Stop the AquaLogic BPM webconsole:
 - On Windows, run `<ALBPM_HOME>\enterprise\bin\stopwebconsole.bat`
 - On Linux or UNIX, run `<ALBPM_HOME>/enterprise/bin/stopwebconsole.sh`
4. Stop the BEA ALI Identity Service:
 - On Windows, go to services and stop the **BEA ALI Identity Service**.
 - On Linux or UNIX, from the command line, run `$PT_HOME/ptids/1.2/bin/service.sh stop`
5. Uninstall ALBPM Workspace Extensions:
 - On Windows, use Add/Remove Programs to remove **AquaLogic Interaction Process 1.7**.
 - On Linux or UNIX, from the command line, run `$PT_HOME/uninstall/Uninstall AquaLogic Interaction Process 1.7.sh`
6. Restore AquaLogic BPM to a usable state. Navigate to the directory:
`<ALBPM_HOME>/<product>/webapps/restore`

where `<product>` is **enterprise**, **j2eewl**, or **j2eews**, depending on which AquaLogic BPM was installed. Files to be restored are in this directory. These files should be restored to the path represented by their filename. For example,

webapps_portal_web-inf_#portal.properties

should be renamed to **portal.properties** and put into the directory

<ALBPM_HOME>/<product>/webapps/portal/WEB-INF.