



Installation Guide

Note

Before using this information and the product it supports, read the information in Notices at the end of this book.

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Preface

About this guide

This guide describes how to install the IBM Insurance P & C Pack that is part of the IBM WebSphere Business Services Fabric. It provides detailed information about installing the IBM Industry Content Pack for Insurance. The instructions in this document are common for the distributed platforms and z/OS systems.

Audience

The document is intended to guide administrators to carry out server-side installations. It is assumed that the reader is acquainted with the prerequisite software including IBM WebSphere Business Services Fabric version 6.0.2 and the WebSphere Process Server.

Organization

This document has been organized as follows:

- Chapter 1: Introduction
- Chapter 2: Installation Requirements
- Chapter 3: IBM Insurance P & C Pack installation.

The chapter two provides information on successfully installing and un-installing the Industry Content Pack for Insurance.

Related documents

In addition to this document, see the following documentation to install IBM WebSphere Business Services Fabric:

- IBM Business Services Tool Pack Installation Guide
- IBM WebSphere Integration Developer Documentation
- IBM WebSphere Process Server Documentation

You can see the following documentation to understand how to work with IBM WebSphere Business Services Fabric:

- IBM Business Services Foundation Pack User Guides
- IBM WebSphere Integration Developer documentation
- IBM WebSphere Process Server documentation

Chapter 1. Introduction

This chapter covers the platform, software, and hardware prerequisites for installing IBM Business Services Foundation Pack 6.0.2 and the WebSphere Process Server in order to install the IBM Insurance P & C Pack. See the IBM Business Services Foundation Pack Installation document for more details.

IBM® WebSphere® Business Services Fabric v6.0.2 provides an end-to-end platform for the rapid assembly, delivery and governance of industry-focused composite business services in an Service Oriented Architecture (SOA). It adds an industry-specific, semantically aware layer to the IBM SOA Foundation to enable dynamic business service personalization and delivery based on business context.

To speed time to market for new industry SOA solutions, IBM WebSphere Business Services Fabric is available with optional industry content packs. These packs include valuable industry common services and reference industry models to simplify interoperability between IT systems and partners, facilitate service reuse, and drive industry standards compliance. Examples of Industry Content contained in these packs include:

Reference business services templates in an industry-content pack consist of the following prebuilt SOA assets:

- Business services meta-data that includes decompositions of business services and
- Web services plus the associated definitions of business policy assertions, business roles, and business channels, based on the industry business glossary.

The content pack category encompasses the following items which excludes the reference business service templates:

- Industry business glossary that presents a taxonomy of industry terms, including the relationship and properties as an ontology.
- Industry-standards-based data types and Web service interfaces that can enable interoperability across disparate systems in the enterprise ecosystem.
- Industry-common services that can be reused across multiple service-oriented business solutions in your implementation

Available Industry Content packs include:

- IBM Insurance Property and Casualty Pack for WebSphere Business Services Fabric
- IBM Healthcare Payor Pack for WebSphere Business Services Fabric
- IBM Banking Payments Pack for WebSphere Business Services Fabric
- IBM Telecom Operations pack for WebSphere Business Services Fabric

Chapter 2. Installing the IBM Insurance P & C Pack

This chapter provides information on successfully installing and uninstalling the IBM Insurance P & C Pack version 6.0.2.

You can install the IBM Insurance P & C Pack from the CD-ROM using the installation wizard. The installation procedure for the IBM Insurance P & C Pack is given below. The installation wizard is meant only for the distributed platforms. For z/OS systems you need to go through the manual installation process.

The different installation options for the IBM Insurance P & C Pack and their procedures are given in the following sections.

Prerequisite software

The following prerequisite software are necessary in order to install IBM Insurance P & C Pack version 6.0.2:

- WebSphere Business Services Foundation Pack 6.0.2 (Installer name: **wbsf-foundation-pack-cd-image-multiplatform**)
- WebSphere Business Services Tool Pack 6.0.2 (Installer name: **wbsf-tool-pack-cd-image-multiplatform**)

Before you begin installation

Note: Before beginning the installation, ensure that:

- Your system meets all hardware requirements and that you have installed all required software and prerequisites. See Hardware and Software requirements for more information.
- The required file systems are available for database implementation.
- You are installing the product as the root user on a Linux or UNIX system, or as a member of the Administrator group on a Windows system.
- The application server is up and running.

Chapter 3. Installing the IBM Insurance P & C Pack

This chapter provides information on successfully installing and uninstalling the IBM Insurance P & C Pack version 6.0.2.

You can install the IBM Insurance P & C Pack from the CD-ROM using the installation wizard. The installation procedure for the IBM Insurance P & C Pack is given below. The installation wizard is meant only for the distributed platforms. For z/OS systems you need to go through the manual installation process.

The different installation options for the IBM Insurance P & C Pack and their procedures are given in the following sections.

Interactive installation

Use this procedure to install the IBM Insurance P & C Pack 6.0.2 using the installation wizard. The installation wizard is included in the IBM Insurance P & C Pack 6.0.2 for WebSphere Business Services Fabric and is run directly from the CD. This section walks you step-by-step through the installation steps.

1. Insert the product CD labeled **IBM Insurance P & C Pack version 6.0.2** into the CD-ROM drive. Select the preferred language version from the list of supported languages.
2. The installation wizard files are located in the **Installers** directory. Run the installation wizard by double-clicking on the executable file for the platform.
3. On the **Language Selection** panel:
 - Select preferred language from the drop down box.
 - Click **OK**.
4. From the **Welcome** panel, select **Next** to continue.
5. In the **Software License agreement** panel, you have to review and accept the licensing terms to proceed. After reviewing the licensing terms, select the **I accept the terms in the license agreement** option, and click **Next**.
6. Now the **Choose Install Set** panel displays. Select the desired install set option and click **Next**.

Note: Install Set options

- **Custom** : Using this option copies as well as installs all the artifacts for the specific content pack.
 - **Files Only** : Using this option only copies the content pack artifacts in the default install folder. This option also does not install the applications in the WebSphere Process Server.
7. In the next wizard screen **Select Install Folder** panel, accept the default installation root directory for WebSphere Business Services Fabric, or specify a different directory using the **Where Would You Like to Install** field. Click the **Next** button to continue.
 - a. *Deleting the default root directory and leaving the field empty prevents you from continuing.*
 - b. *Non-ASCII special characters in directory names are not supported.*
 - c. *On Windows platforms: The installation directory path must be no longer than 60 characters*

8. In the following **WebSphere Process Server Location** panel specify the root location of your WebSphere Process Server installation. (For Example: C:\Program Files\IBM\WebSphere\ProcServer). Click **Next**.
9. The following panel enables you to select the profile onto which you wish to install the Insurance P & C Pack's enterprise application modules. Select the profile from the drop down option and click **Next**. The installer will now check the profile and start the server if needed.

Note: This profile must support the Business Process Choreographer. For instructions on adding this to an existing profile see the IBM WebSphere Process Server documentation.

10. While the scripts are loading you will see a **Please Wait** screen that informs you that the **WebSphere Insurance P & C Pack version 6.0.2** is being configured for your system.
11. In the following **WebSphere Business Service Location** panel enter the connection information required to add the ontology extensions to the IBM Business Service Repository of the WebSphere Business Services Fabric. Provide the **Protocol** name: "http" or "https", **Server name**: such as **localhost**, or **www.ibm.com**, and **Port**: 9080, **User ID**: Administrator ID with permissions on the server that hosts the WebSphere Business Services Fabric Tools application, and **Password** : Admin password for the above User ID in their respective fields. These values will be used to connect to a Web service hosted on the Fabric server that runs the WebSphere Business Services Fabric Tools application. Click **Next**.
12. In the following **Pre-Installation Summary** panel, review the details of the components that will be installed, the space they will require, and where they will be located on the system. Verify all these details and click **Install** to install the product. If not, click **Previous** to change the specifications.

When the installation completes, a screen telling you the results of the install will be presented. If no errors were detected you will be told the install was successful and you can begin using the content pack. Should any errors be detected, you will be directed to the log files. These log files can be found in the root directory of the installation and in the configuration directory as .log, .stdout, and .stderr files.

Manual Installation

This section details the manual installation of Websphere Insurance P & C Pack, which includes installation of runtime components for WebSphere Process Server and WebSphere Business Services Fabric.

To install the Insurance P & C Pack manually: Run the interactive installer and select the **Files Only** option. This will present you with the license agreement. Once you accept the license agreement, the files you need for the manual installation will be copied to your system.

To install the runtime components for WebSphere Process Server:

Install the EAR file into your WebSphere Process Server. The Insurance P & C Pack's enterprise application modules need to be installed into a WebSphere Process Server profile. For instructions on adding this to an existing profile see the IBM WebSphere Process Server documentation.

Note: The profile these applications are installed into must have the Business Process Choreographer configured.

1. Locate the runtime directory in the location, where you chose to install the content pack files.
2. Install the .ear from the runtime directory at the root as well as from the runtime directory in the reference directory into the WebSphere Process Server, using the admin console.

To install the Fabric Content Archives (FCA) into WebSphere Business Services Fabric:

1. Login to the IBM WebSphere Business Service Fabric Portal such as, <http://localhost:9080/fabric/app>
2. Use the navigation bar on the left to enter the IBM Business Services Governance Manager.
3. Load each .jar file using the **Import/Export** functionality of the IBM Business Services Governance Manager.

To install the FCAs

Table 1. JAR files listing

Action	Item	Value
Install	Default install location	<program root>/IBM/WebSphere/Fabric/Insurance/P_C
	FCA	<ul style="list-style-type: none">• industry-iso-codes-model.jar• industry-iso-codes-lp.jar• insurance-pc-glossary-ontology-model.jar• insurance-pc-glossary-ontology-lp.jar• insurance-pc-core-ontology-model.jar• insurance-pc-core-ontology-lp.jar• insurance-pc-ontology-reference-model.jar• insurance-pc-reference-lp.jar

To install the common service EAR :

Table 2. Common service EAR

Action	Item	Value
Install	Default install location	<programroot>IBM/WebSphere/Fabric/Insurance /P_C/runtime
	EAR	<ul style="list-style-type: none">• insurance-fabric-service

To install the reference implementation components:

1. Install the EAR files into your WebSphere Process Server.
2. Import the FCAs using the **Import/Export** functionality of the WebSphere Business Services Fabric Governance Manager.

Table 3. Reference implementation components

Action	Item	Value
Install	Default install location	<program root>/IBM/WebSphere/Fabric/Insurance/P_C/reference

Table 3. Reference implementation components (continued)

Action	Item	Value
	EAR	<ul style="list-style-type: none"> • Ins-app.ear • insurance-reference-app.ear
	FCA	<ul style="list-style-type: none"> • insurance-reference-impl-ontology-model.jar • insurance-reference-impl-ontology-lp.jar
	Project Interchange (.zip)	ClaimSummaryAcordGtwy-project-interchange.zip

Manual Installation for z/OS Systems

All the required EARs and the OCP files will be bundled and available in a compressed file format. Extract the EAR files to be deployed on WebSphere Process Server. For importing the OCP see the *Manual Installation* section of the document

Verifying successful installation

In order to verify a successful installation, look at the WebSphere Process Server admin console for the following applications:

- ins-pc-common-svc
- ins-pc-cbs-svc
- ClaimSummaryAcordGtwyApp

To verify successful installation of the ontologies in the IBM Business Services Foundation Pack:

1. Using the browser, access the IBM Business Services Foundation Pack using the following URL: `http://<host>:<port>/fabric/app`
2. Login to the WebSphere Business Services Fabric portal using your credentials
3. In the **My Services** menu, click **Governance Manager > Configure Projects**
4. Your ontologies installation is successful, if you see the following projects listings.
 - Industry - ISO Codes Model
 - Insurance Glossary Model for Property and Casualty (Project Type: Ontology)
 - Insurance Core Model for Property and Casualty (Project Type: Ontology)
 - Insurance - P&C Reference Model (Project Type: Business Service)
 - Insurance - P&C Reference Implementation (Project Type: Business Service) : This project should also be there if the reference implementation FCA are imported.

Table 4. Component locations

Component	Component type	Installation location
Common Services	Enterprise Archive (.ear)	<programroot>IBM/WebSphere/Fabric/Insurance/P_C/runtime
SCA Libraries	Project Interchanges (.zip)	<programroot>IBM/WebSphere/Fabric/Insurance/P_C/projects/library

Table 4. Component locations (continued)

Component	Component type	Installation location
SCA Modules	Project Interchanges (.zip)	<programroot>IBM/WebSphere/Fabric/Insurance/P_C/projects/modules
Insurance P & C UML Models	Project Interchanges (.zip)	<programroot>IBM/WebSphere/Fabric/Insurance/P_C/models
Reference Implementation	Project Interchanges (.zip)	<programroot>IBM/WebSphere/Fabric/Insurance/P_C/projects/modules
	Enterprise Archives (.ear)	<programroot>IBM/WebSphere/Fabric/Insurance/P_C/reference/runtime
	Ontology Model (.zip)	<programroot>IBM/WebSphere/Fabric/Insurance/P_C/reference/fca
Assembler	(.zip)	<programroot>IBM/WebSphere/Fabric/Insurance/P_C/assembler
Third Party	(.zip)	<programroot>IBM/WebSphere/Fabric/Insurance/P_C/thirdparty

Working with the IBM Insurance P & C Pack

After the IBM Insurance P & C Pack is installed, developers can perform the following:

- Use the common services to develop Composite Business Services (CBS)
- Can use Industry Core Model to customize and extend insurance glossary terms
- Can use SCA libraries and SCA modules to jump-start CBS development
- Can use reference implementation as a reference for CBS development

Known Problems and Limitations

Recovering from a Failed Installation

During the process of installing the WebSphere Insurance P & C Pack, should the installer indicate that an error was detected, consult the logs for specific messages.

- The root directory of your installation location will contain a .log file. This file details the success or failure of the main file operations related to the install. Errors related to a file operation usually indicates a problem with permissions or disk space. You can usually resolve these and retry the installation.
- Errors in the HttpMultipartPost operation indicates that the WebSphere Business Services Fabric Tools service could not be found. This usually indicates that the server hosting the WebSphere Business Services Fabric Tools application was not running or the connection information provided were incorrect. You can resolve this by installing the ontology extension files manually. See the **Manual Installation** documentation for details on this operation.
- Errors in configuration steps can be found in the configuration directory. The configuration steps will write their progress out to .stdout and .stderr files. These files will contain messages specific to the configuration step executed.
- The enterprise application modules can fail to install for a number of reasons:
 - The server may not have been started.

- The username and password provided for the admin user may be incorrect.
- See the **Manual Installation** section for details on installing the Enterprise Application Modules manually.

Un-installing WebSphere Insurance P & C Pack version 6.0.2

To uninstall the Insurance P & C Pack version 6.0.2:

- Locate the <contentpack>/uninstall directory.
- Run the uninstaller <uninstallfilename>.
- Select the uninstall options and click **Next**. (The default selection will remove all the components that were installed by the installer).
- When asked, provide the admin user id and password needed to configure the WebSphere Process Server hosting the content pack enterprise application modules.
- Click **Uninstall** to remove all the files, their registry entries, folders created while installation, and WebSphere Process Server modules installed with the content pack. The Uninstaller should remove the EARs specified in the table.

Table 5. Uninstalled applications listing

Action	Item	Value
Uninstall	Default install location	<programroot>IBM/WebSphere/Fabric/Insurance/P_C
	Enterprise Applications	<ul style="list-style-type: none"> • ins-pc-common-svc • ins-pc-cbs-svc • ClaimSummaryAcordGtwyApp

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