

HP Third Party Integration

For the Windows operating system

Software Version: Content 2013-12 (10.x)

Third Party Integration Guide

Document Release Date: December 2013

Software Release Date: December 2013



Legal Notices

Warranty

The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

The information contained herein is subject to change without notice.

Restricted Rights Legend

Confidential computer software. Valid license from HP required for possession, use or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

Copyright Notice

© Copyright 2013 Hewlett-Packard Development Company, L.P.

Trademark Notices

Adobe™ is a trademark of Adobe Systems Incorporated.

Microsoft® and Windows® are U.S. registered trademarks of Microsoft Corporation.

UNIX® is a registered trademark of The Open Group.

This product includes an interface of the 'zlib' general purpose compression library, which is Copyright © 1995-2002 Jean-loup Gailly and Mark Adler.

Documentation Updates

The title page of this document contains the following identifying information:

- Software Version number, which indicates the software version.
- Document Release Date, which changes each time the document is updated.
- Software Release Date, which indicates the release date of this version of the software.

To check for recent updates or to verify that you are using the most recent edition of a document, go to: <http://h20230.www2.hp.com/selfsolve/manuals>

This site requires that you register for an HP Passport and sign in. To register for an HP Passport ID, go to: <http://h20229.www2.hp.com/passport-registration.html>

Or click the **New users - please register** link on the HP Passport login page.

You will also receive updated or new editions if you subscribe to the appropriate product support service. Contact your HP sales representative for details.

Support

Visit the HP Software Support Online web site at: <http://www.hp.com/go/hpsupport>

This web site provides contact information and details about the products, services, and support that HP Software offers.

HP Software online support provides customer self-solve capabilities. It provides a fast and efficient way to access interactive technical support tools needed to manage your business. As a valued support customer, you can benefit by using the support web site to:

- Search for knowledge documents of interest
- Submit and track support cases and enhancement requests
- Download software patches
- Manage support contracts
- Look up HP support contacts
- Review information about available services
- Enter into discussions with other software customers
- Research and register for software training

Most of the support areas require that you register as an HP Passport user and sign in. Many also require a support contract. To register for an HP Passport ID, go to:

<http://h20229.www2.hp.com/passport-registration.html>

To find more information about access levels, go to:

http://h20230.www2.hp.com/new_access_levels.jsp

HP Software Solutions Now accesses the HPSW Solution and Integration Portal Web site. This site enables you to explore HP Product Solutions to meet your business needs, includes a full list of Integrations between HP Products, as well as a listing of ITIL Processes. The URL for this Web site is

<http://h20230.www2.hp.com/sc/solutions/index.jsp>

Overview

Information for Developers

To implement the 3rd Party Content Pack:

1. Add the 3rd party jars as dependencies to the relevant plugins
2. Add the 3rd party jars as dependencies to:

oo-thirdparty-excluded\oo-tranzitive-dependency-plugin

3. Import **oo-thirdparty-excluded-cp** to Central/Studio.

Information for QA and Customers

To implement the 3rd Party Content Pack:

1. Unpack the jar file **third-party-cp.jar**.
2. Locate the necessary jar and the GAV (group, artifact, version) information for it. A list with all the third party jars and their GAVs can be found below.
3. Rename the jar using the new name found in the list below.
4. Create the following folder structure in the unpacked jar:

Lib\groupId\artifactId\version

For example, for ws-runtime.jar the folder structure will be:

Lib\com\ibm\websphere\ws_runtime\6.1.0

where groupId=com.ibm.websphere, artifactId=ws_runtime and version=6.1.0

5. Copy the renamed jar to this location.
6. Create a .pom file with the same name as the renamed jar in the following structure:

```
<?xml version="1.0" encoding="UTF-8"?>
<project xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/xsd/maven-4.0.0.xsd"
xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
```

```

<modelVersion>4.0.0</modelVersion>
<groupId>groupId</groupId>
<artifactId>artifactId</artifactId>
<version>version</version>
<!-- If a .dll file has to be added the following line
needs to be uncommented -->
<!-- <packaging>dll</packaging> -->
</project>

```

For example, for **ws-runtime.jar** the .pom file will be named **ws_runtime-6.1.0.pom** and will contain:

```

<?xml version="1.0" encoding="UTF-8"?>
<project xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/xsd/maven-4.0.0.xsd"
xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<modelVersion>4.0.0</modelVersion>
<groupId>com.ibm.websphere</groupId>
<artifactId>ws_runtime</artifactId>
<version>6.1.0</version>
</project>

```

7. Repack third-party-cp with the extension .jar and deploy it to Central/Studio.

Excluded Third Party Content

	Original Jar Name	New Name	groupId	artifactId	Version
1	ws_runtime.jar	ws_runtime-6.1.0.jar	com.ibm.websphere	ws_runtime	6.1.0
2	com.bea.core.annogen_1.2.0.0.jar	com.bea.core.annogen-1.2.0.0.jar	weblogic	com.bea.core.annogen	1.2.0.0
3	com.bea.core.common.security.api_1.0.0.0_5-0-2-0.jar	com.bea.core.common.security.api-1.0.0.0_5-0-2-0.jar	weblogic	com.bea.core.common.security.api	1.0.0.0_5-0-2-0
4	com.bea.core.common.security.providers.env_1.0.0.0_5-0-2-0.jar	com.bea.core.common.security.providers.env-1.0.0.0_5-0-2-0.jar	weblogic	com.bea.core.common.security.providers.env	1.0.0.0_5-0-2-0
5	com.bea.core.datasource_1.4.0.0.jar	com.bea.core.datasource-1.4.0.0.jar	weblogic	com.bea.core.datasource	1.4.0.0
6	com.bea.core.descriptor.j2ee.binding_1.1.0.0.jar	com.bea.core.descriptor.j2ee.binding-1.1.0.0.jar	weblogic	com.bea.core.descriptor.j2ee.binding	1.1.0.0
7	com.bea.core.descriptor.j2ee_1.1.0.0.jar	com.bea.core.descriptor.j2ee-1.1.0.0.jar	weblogic	com.bea.core.descriptor.j2ee	1.1.0.0
8	com.bea.core.descriptor.wl.binding_1.1.0.0.jar	com.bea.core.descriptor.wl.binding-1.1.0.0.jar	weblogic	com.bea.core.descriptor.wl.binding	1.1.0.0
9	com.bea.core.descriptor.wl_1.1.0.0.jar	com.bea.core.descriptor.wl-1.1.0.0.jar	weblogic	com.bea.core.descriptor.wl	1.1.0.0
10	com.bea.core.descriptor_1.4.0.0.jar	com.bea.core.descriptor-1.4.0.0.jar	weblogic	com.bea.core.descriptor	1.4.0.0
11	com.bea.core.diagnostics.core_2.1.0.0.jar	com.bea.core.diagnostics.core-2.1.0.0.jar	weblogic	com.bea.core.diagnostics.core	2.1.0.0

	Original Jar Name	New Name	groupid	artifactId	Version
12	com.bea.core.i18n_1.4.0.0.jar	com.bea.core.i18n-1.4.0.0.jar	weblogic	com.bea.core.i18n	1.4.0.0
13	com.bea.core.logging_1.4.0.0.jar	com.bea.core.logging-1.4.0.0.jar	weblogic	com.bea.core.logging	1.4.0.0
14	com.bea.core.management.core_2.3.0.0.jar	com.bea.core.management.core-2.3.0.0.jar	weblogic	com.bea.core.management.core	2.3.0.0
15	com.bea.core.messaging.kernel_1.4.0.0.jar	com.bea.core.messaging.kernel-1.4.0.0.jar	weblogic	com.bea.core.messaging.kernel	1.4.0.0
16	com.bea.core.resourcepool_1.4.0.0.jar	com.bea.core.resourcepool-1.4.0.0.jar	weblogic	com.bea.core.resourcepool	1.4.0.0
17	com.bea.core.store.gxa_1.4.0.0.jar	com.bea.core.store.gxa-1.4.0.0.jar	weblogic	com.bea.core.store.gxa	1.4.0.0
18	com.bea.core.store_1.4.0.0.jar	com.bea.core.store-1.4.0.0.jar	weblogic	com.bea.core.store	1.4.0.0
19	com.bea.core.transaction_2.5.0.0.jar	com.bea.core.transaction-2.5.0.0.jar	weblogic	com.bea.core.transaction	2.5.0.0
20	com.bea.core.utils.classloaders_1.4.0.0.jar	com.bea.core.utils.classloaders-1.4.0.0.jar	weblogic	com.bea.core.utils.classloaders	1.4.0.0
21	com.bea.core.utils.full_1.4.0.0.jar	com.bea.core.utils.full-1.4.0.0.jar	weblogic	com.bea.core.utils.full	1.4.0.0
22	com.bea.core.utils.wrapper_1.3.0.0.jar	com.bea.core.utils.wrapper-1.3.0.0.jar	weblogic	com.bea.core.utils.wrapper	1.3.0.0
23	com.bea.core.workarea_1.4.0.0.jar	com.bea.core.workarea-1.4.0.0.jar	weblogic	com.bea.core.workarea	1.4.0.0
24	com.bea.core.xml.beaxmlbeans_1.0.0.0_2-4-0.jar	com.bea.core.xml.beaxmlbeans-1.0.0.0_2-4-0.jar	weblogic	com.bea.core.xml.beaxmlbeans	1.0.0.0_2-4-0
25	com.bea.core.xml.stax_1.1.0.0.jar	com.bea.core.xml.stax-1.1.0.0.jar	weblogic	com.bea.core.xml.stax	1.1.0.0
26	com.bea.core.xml.staxb.buildtime_1.3.0.0.jar	com.bea.core.xml.staxb.buildtime-1.3.0.0.jar	weblogic	com.bea.core.xml.staxb.buildtime	1.3.0.0
27	com.bea.core.xml.staxb.runtime_1.3.0.0.jar	com.bea.core.xml.staxb.runtime-1.3.0.0.jar	weblogic	com.bea.core.xml.staxb.runtime	1.3.0.0

	Original Jar Name	New Name	groupId	artifactId	Version
28	com.bea.core.xml.weblogic.xpath_h_1.1.0.0.jar	com.bea.core.xml.weblogic.xpath-1.1.0.0.jar	weblogic	com.bea.core.xml.weblogic.xpath	1.1.0.0
29	com.bea.core.xml.xmlbeans_1.0.0.0_2-4-0.jar	com.bea.core.xml.xmlbeans-1.0.0.0_2-4-0.jar	weblogic	com.bea.core.xml.xmlbeans	1.0.0.0_2-4-0
30	wlclient.jar	wlclient-10.3.0.0.jar	weblogic	wlclient	10.3.0.0
31	wljmsclient.jar	wljmsclient-10.3.0.0.jar	weblogic	wljmsclient	10.3.0.0
32	wljmxclient.jar	wljmxclient-10.3.0.0.jar	weblogic	wljmxclient	10.3.0.0
33	sapjco3.jar	sapjco3-3.0.7.jar	com.sap	sapjco3	3.0.7
34	sapjco3.dll	sapjco3-7200.88.18.64609.dll	com.sap	sapjco3	7200.88.18.64609

Integrations

Exchange Integration

The Exchange integration includes the operations and flows from Business Applications Pack in the following folders:

- Library/Operations/Exchange/
- Library/Accelerator Packs/Exchange/

Note: If you do not have Microsoft Exchange Web Services Managed API installed you can download it from:

<http://www.microsoft.com/en-us/download/confirmation.aspx?id=35371>

Copy the Microsoft.Exchange.WebServices.dll from:

- %Microsoft_Exchange_Web_Services_Managed_API_Install_Directory%/Exchange/Web Services/2.0/Microsoft.Exchange.WebServices.dll

SAP Integration

The SAP integration includes the operation Invoke SAP BAPI, from the folder Library/Integrations/SAP/Wizard.

For this operation to work, copy the following artifacts:

- sapjco.jar
- sapjco.dll

Note: If the SAP Jco is not installed on your system, you can download it from:

service.sap.com/connectors

Weblogic Integration

The WebLogic integration includes the operations and flows from Middleware Content Pack in the following folders:

- Library/Operations/Application Servers/BEA WebLogic/
- Library/Accelerator Packs/Application Servers/BEA WebLogic/

For WebLogic 10.3 integration, copy the following .jar files:

- %WebLogic_Install_Directory%/wlserver_10.3/server/lib/wljmsclient.jar
- %WebLogic_Install_Directory%/wlserver_10.3/server/lib/wljmxclient.jar
- %WebLogic_Install_Directory%/wlserver_10.3/server/lib/wlclient.jar

Copy all the com.bea.core.*jar files in **%WebLogic_Install_Directory%/wlserver_10.3/server/lib/wseeclient.zip**:

- • %WebLogic_Install_Directory%/modules/com.bea.core.utils.wrapper_1.3.0.0.jar
- • %WebLogic_Install_Directory%/modules/com.bea.core.weblogic.socket.api_1.0.0.0.jar

For WebLogic 9.2 integration, copy the following .jar files:

- %WebLogic_Install_Directory%/weblogic92/server/lib/wljmxclient.jar
- %WebLogic_Install_Directory%/weblogic92/server/lib/wlclient.jar

Websphere Integration

The Websphere integration includes the operations and flows from Middleware Pack in the following folders:

- Library/Operations/Application Servers/Websphere/
- Library/Accelerator Packs/Application Servers/Websphere/

For Websphere 6.1 integration copy the **ws_runtime.jar** file from WebSphere install path < **WebSphere installation folder** >/bin/ProfileManagement/plugins/com.ibm.websphere.v61_6.1.0/.

