

Oracle® WebLogic Integration

Release Notes

10g Release 3 (10.3)

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ORACLE®

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Introduction

This document provides the following information for Oracle WebLogic Integration (WLI) 10g Release 3 (10.3):

- [Overview of Oracle WebLogic Integration](#)
- [Supported Configurations](#)
- [Supported Configurations](#)
- [Installation and Required Patches](#)
- [Upgrading Applications](#)
- [Tutorials to Help you Get Started](#)
- [Known Limitations](#)

Overview of Oracle WebLogic Integration

WebLogic Integration (WLI) is a comprehensive Java-based solution that provides a consistent and scalable approach to integration of systems, data, and people. It combines the divergent pieces of application and enterprise integration, including Enterprise Resource Planning (ERP), Customer Relationship Management (CRM), legacy applications, business users, supply chains, and trading partners.

Oracle WebLogic Integration 10g Release 3 (10.3) is the latest version of WLI. It extends the features and benefits of WLI 10.2 to enterprise customers who are looking for new and efficient ways to meet their integration requirements in a constantly changing business environment.

Oracle WebLogic Integration 10g Release 3 (10.3):

- Is built on Oracle WebLogic Server 10.3, which is the latest version of WebLogic Server.
- Uses Oracle Workshop for WebLogic 10.3, which is the latest version of Workshop for WebLogic.
- Interoperates with Oracle Service Bus 10.3, Oracle Enterprise Repository 10.3, and Oracle SOA Suite components.
- Supports security and accessibility rules of Oracle.
- Provides greater security by ensuring that sensitive information like user credentials is now encrypted and stored in the configuration files.

For more information, see [Overview of Oracle WebLogic Integration](#).

Supported Configurations

- Supported operating systems: See [List of Supported Operating System Configurations](#).
- Supported databases and database drivers: See [Supported Database Configurations](#).

For more information, see the [WLI Upgrade Guide](#).

Installation and Required Patches

You can install the software by using either graphical mode, console mode, or silent mode. The installation program prompts you to enter specific information about your system and configuration. For more information, see the [Products Installation Guide](#).

When you install Oracle WebLogic Integration 10g Release 3 (10.3), the required patches in [Table 1-1](#) are installed automatically. If you uninstall any of these required patches and need to reinstall them, use the information in [Table 1-1](#) in conjunction with the Smart Update utility to reinstall and apply the patches. For detailed information on using Smart Update, see [Installing Patches and Maintenance Packs Using Smart Update](#).

Table 1-1 List of Required Patches for 10g Release 3 (10.3)

Patch	Passcode
2GLK	IILM29PJ
2LR5	JS484GZV

Table 1-1 List of Required Patches for 10g Release 3 (10.3)

Patch	Passcode
3L6X	UTWGCRT3
6V9X	LMX2IKAH
8PPJ	3VETHS8L
CRB1	KCEMHQND
D3YH	LSYU6SCD
D4TQ	X1YAPFFB
DU61	8FN3RHEP
ET7A	HEZ9M4L9
F1HX	J2K6ELDA
FCMI	TJBDD6RG
HW67	3ISW9IXH
LFMA	M4SKBRZV
LULD	86DUK61T
QJIZ	JU5N7P7U
R6VX	NTAYD7MD
R8FE	L1MRQ649
SWX2	DFK2LYU6
WB4R	BXWBVYN8
XT7H	MLI1PFWV

Upgrading Applications

You can upgrade WLI 8.1 (SP4, SP5 and SP6), WLI 8.5 (SP5 and SP6), WLI 9.2, and WLI 10.2 applications to Oracle WebLogic Integration 10g Release 3 (10.3) by using the upgrade tools. For more information, see [WLI Upgrade Guide](#).

Note: The upgrade process might involve a large number of files, and therefore might require more memory. So before starting the upgrade process, temporarily increase the maximum amount of memory that the JVM allows for Oracle Workshop for WebLogic. The recommended maximum memory is 1 GB.

You can change the maximum memory by setting the `-xmx` value in the `workshop.ini` file, which, by default, is in the `BEA_HOME\workshop_10.3\` folder. For example, you can change the maximum memory from `-xmx768m` (default) to `-xmx1G` (1 GB).

After upgrading your applications, revert the maximum memory to a level that is appropriate for development.

Tutorials to Help you Get Started

To get hands-on experience with Oracle WebLogic Integration, we recommend that you try out the following tutorials:

- [Upgrading WLI 8.1 or Higher, WLI 9.2 and WLI 10.2 Application Source to Oracle WebLogic Integration 10g Release 3 \(10.3\)](#)
- [Designing Your First Business Process](#)
- [Building Your First Data Transformation](#)
- [Building a Worklist Application](#)
- [Tutorials for Trading Partner Integration](#)

In addition, you can try out the [Oracle Workshop for WebLogic tutorials](#).

Known Limitations

This section describes known limitations in the Oracle WebLogic Integration 10g Release 3 (10.3) release. The known limitations are grouped by the following topics:

- [Administration, Configuration, and Worklist Application](#)
- [Business Process](#)
- [Cluster Configurations](#)
- [Controls](#)
- [Event Generators](#)
- [Data Transformation](#)
- [Trading Partner Integration](#)
- [Upgrading Oracle WebLogic Integration](#)

Administration, Configuration, and Worklist Application

Problem ID	Description
CR382645	<p>During domain configuration using the Oracle WebLogic Configuration Wizard, in the Run Database Scripts window, Oracle 11g database is not shown as a DB Version option when you select any Oracle data source.</p> <p>Workaround: Since the SQL scripts are the same, you can select Oracle 10g database option and run the database scripts against the Oracle 11g database.</p>
CR378785	<p>User name is not validated when you try to assign a user while creating /updating a Worklist task plan.</p> <p>Workaround: Make sure that you do not use any invalid characters like @, \$, etc. for a user name.</p>

Problem ID	Description
CR362278	<p>worklistEvent channel can not be selected from static message broker subscription control.</p> <p>Workaround: Create a JPD, select 'Subscribe to a Message Broker channel and start via an event', go to source view and update:</p> <pre>@com.bea.wli.control.broker.MessageBroker.StaticSubscription(xquery = "", filterValueMatch = "", channelName = "", messageBody = "{x0}") public void subscription(org.apache.xmlbeans.XmlObject x0) {</pre> <p>with:</p> <pre>@com.bea.wli.control.broker.MessageBroker.StaticSubscription(xquery = "", filterValueMatch = "", channelName = "/WorklistEvent", messageBody = "{x0}", messageMetaData = "{x1}") public void subscription(com.bea.data.RawData x0, com.bea.wli.worklist.xml.TaskEventMetadataDocument x1) {</pre> <p>Save the JPD, build, and return to the Design view of message broker control, select filter, and proceed.</p> <p>Note:</p> <p>If you still face any issue just make sure you have the XQuery annotation in the subscription JPD as follows:</p> <pre>@com.bea.wli.common.XQuery(prolog='declare namespace ns0 = \'http://www.bea.com/wli/worklist/xml%5c\';')</pre> <p>Place the XQuery annotation before the @com.bea.wli.jpd.Process(process = annotation.</p>
CR353849	<p>When configuring a WLI domain with Domain Configuration Wizard and choosing MS SQL 2005 as database from the drop-down list in the Run Database Scripts window, the script for the p13nDataSource is not displayed</p> <p>Workaround: Select 2000 as the DB Version in the drop-down list for the p13nDataSource and run the scripts against MS SQL 2005. The domain will work fine with MS SQL 2005 as the DB scripts are the same for MS SQL 2000 and MS SQL 2005.</p> <p>This problem does not occur when a domain is created for WLI and WebLogic Portal.</p>

Problem ID	Description
CR349800, CR379251, CR382286	<p>When installing Oracle WebLogic Integration, WebLogic Server, Workshop for WebLogic, and WebLogic Integration need to be installed in the same BEA_HOME and the default names for WebLogic Server directory, Workshop for WebLogic directory, and WebLogic Integration directory must not be changed. Otherwise the installation will not work.</p> <p>Workaround: Install WebLogic Server, Workshop for WebLogic, and WebLogic Integration together in the same BEA_HOME. The WebLogic Server directory should be '%BEA_HOME%/wlserver_10.3', the Workshop for WebLogic directory should be '%BEA_HOME%/workshop_10.3' and WebLogic Integration directory should be '%BEA_HOME%/wli_10.3' where BEA_HOME is the location where the product is installed.</p>
CR300337	<p>When JWS invokes JPD, the callback to JWS from a JPD fails in a cluster.</p> <p>Workaround: The <code>com.bea.control.annotations.MessageBuffer</code> must not be used on the callback operations of a Process control that is used to invoke a JPD from a JWS. Using the <code>com.bea.control.annotations.MessageBuffer</code> annotation will not work reliably in a cluster environment.</p>
CR300140	<p>While editing a newly created event subscriptions of a worklist instance, two Edits interfere each other.</p> <p>Workaround: Delete the event subscription that is created, and re-create it. Enter all the values you wish to add for the new subscription in the Add Subscription page itself as the two edit links interfere with each other.</p>
CR299266	<p>After application source upgrade, MFL Transformation failed with XQuery Exception (XQRLErrorException).</p> <p>Unlike in 8.x, the 10.2 MFL-derived XMLBeans belong to a namespace. So, the upgraded XQuery transformations that use MFL-derived XMLBeans as output types must be manually updated to yield XML with elements in the appropriate namespace. The namespace used is determined by the path of the MFL file, relative to the schema source directory.</p> <p>For example, an MFL file located at <code>project/schemas/dir/purchase.mfl</code> will yield XMLBeans that belong to the XML namespace: <code>dir/purchase</code>.</p>
CR296394	<p>The user portal displays default values that are actually not in the database. If you accept these values, they are inserted into the database.</p> <p>These are populated with default values to reduce work for the user to work on user portal.</p>
CR295076	<p>You might encounter a database deadlock with Worklist applications if you have configured your domain with DB2.</p> <p>Workaround: There is no known workaround at this point.</p>

Problem ID	Description
CR292434	<p>Potential database deadlock when using Microsoft SQL.</p> <p>You might encounter a database deadlock if you have configured your domain with Microsoft SQL.</p> <p>Workaround: After you have created your domain, modify the datasource scripts to add the “SendStringParametersAsUnicode=false” property.</p>
CR290980	<p>Issues due to WebLogic Portal 10.2 template patches.</p>
CR295210	<p>When you create a Platform-like by adding <code>wlp.jar</code> template onto a WLI domain, with express mode or user explicitly selecting run DB script, loadDB fails when extending <code>wlp.jar</code> and the domain does not start.</p> <p>Workaround: Using the Configuration Wizard tool, create a Platform-like domain by adding WebLogic Integration templates to a WebLogic Portal domain, or by selecting the WebLogic Portal and WebLogic Integration check-boxes.</p> <p>-----</p> <p>When you create a Platform-like by adding the WebLogic Portal component onto a WebLogic Integration domain, with express mode or user explicitly selecting run DB script, loadDB fails when extending <code>wlp.jar</code> and the domain does not start.</p> <p>Workaround: There is no workaround for this problem.</p> <p>-----</p> <p>When you create a WebLogic Portal domain by extending <code>workshop_wl.jar</code>, <code>p13n.jar</code> and <code>wlp.jar</code> templates, one template at a time, with express mode or user explicitly selecting run DB script, loadDB fails when extending <code>wlp.jar</code> and the domain does not start.</p> <p>Workaround: Select the WebLogic Portal checkbox to create the Portal domain.</p> <p>-----</p> <p>When you create a WebLogic Portal domain by extending <code>workshop_wl.jar</code>, <code>p13n.jar</code> and <code>wlp.jar</code> templates, one template at a time, with loadDB() invoked each time extending a template, loadDB fails when extending <code>wlp.jar</code> and the domain does not start.</p> <p>Workaround: Extend the required templates together and invoke loadDB() explicitly in the WLST script.</p> <p>-----</p> <p>When you create a WebLogic Portal domain by extending <code>workshop_wl.jar</code>, <code>p13n.jar</code> and <code>wlp.jar</code> templates together, without explicitly invoking loadDB(), the resulting domain fails to start because of missing tables.</p> <p>Workaround: You need to explicitly invoke loadDB().</p>

Problem ID	Description
CR293975	<p>WebLogic Integration 10.x domains take longer to start up when compared with WebLogic Integration 8.x domains.</p> <p>The problem has been mitigated by removing extra backward compatibility resources from newly created WebLogic Integration domains. Newly created domains will not deploy backward compatibility resources (applications, etc.) and will thus boot more rapidly than if those resources were present in the domain.</p> <p>Note: Even with this change, the boot time for 10.2 domains is somewhat longer than a comparable 8.x domain. This is due to more sophisticated application structure and deployment needs in 10.2.</p> <p>If you wish to create a new domain and also add backward compatibility support to that domain, you must create the WebLogic Integration domain, and then extend that domain with the wli_worklist81x extension template (using the configuration wizard).</p> <p>WebLogic Integration 8.1.x domains that are upgraded to 10.2 will <i>*automatically*</i> have backward compatibility support added to them. No further customer action is required.</p>
CR298397	<p>If your application enables message buffering on controls or web services using the annotations <code>com.bea.control.annotations.MessageBuffer</code> or <code>weblogic.jws.MessageBuffer</code>, the following error is displayed when you try to deploy it on a cluster:</p> <p>"While attempting to create destination MSG_BUFFER_QUEUE in module <name_of_your_ear>!WlwRuntimeAppScopedJMS the JMSServer of name <name_of_your_cluster> could not be found".</p> <p>Workaround: In this case, you must target the MSG_BUFFER_QUEUE to a specific JMS Server with the following submoduletargets option to your weblogic.Deployer command:</p> <pre>-submoduletargets cgJMSServer@WlwRuntimeAppScopedJMS@WseeJmsServer_auto_1.</pre>
CR291534	<p>Any new task plan, by default does not have a create policy for any user: this has to be done explicitly through the worklist console. If this policy is not configured, then the JPDs' that create tasks and are initiated through the JPD test console fail: This is because the JPD test console invokes the JPDs' without any authentication and the JPD is run without any principal, thus as 'Anonymous'.</p> <p>Workaround: You need to change the create policy and remove the <Anonymous>. By default <Anonymous> is added to the Global Task Plan Create policy. Thus, a task can be created Out of the Box by anyone.</p>

Problem ID	Description
CR289425	<p>Warning and Debug messages are displayed while starting the Out-of-the-box Integration domain.</p> <p>Workaround: The administrator, in a production mode, must set a test table depending on the chosen database - for the databases supported by WLI.</p>
CR288712 CR288827	<p>You will get an exception when you try to extend any portal-enabled domain with the WSRP template (<code>wsrp-simple-producer.jar</code>) either using the Configuration Wizard or WLST offline.</p>
CR288966	<p>Exception message displayed in the purging tasks of Worklist application.</p> <p>Based on the permissions you have, you can perform the purge action. An exception message is displayed when the tasks are of type “Compat 8.1.x”.</p> <p><Anonymous> users can purge 8.x Compat Tasks.</p>
CR283676	<p>When you enter a custom User Interface page for the first time in a browser session, a blank page is displayed.</p> <p>Workaround: You need to refresh your browser to view the custom User Interface page. The usage of an incorrect case in the <code>task-ui-registry.xml</code> entries can cause the related custom task page to appear blank for the first time, and is then displayed after the page is refreshed.</p>
CR283190	<p>The Managed Server does not start unless the Administration Server already running.</p> <p>Workaround: None.</p>
CR272488	<p>Exceptions are encountered in the Server Console when using the Worklist Sample Application.</p> <p>While working on the Worklist Sample Application through the Worklist User Portal, you may encounter <code>org.apache.beehive.netui.util</code> type exceptions in the Server Console. You can ignore the exceptions displayed in the Server Console as they are not very critical.</p>
CR270149	<p>The Pointbase database throws an error if the amount of data received exceeds the database size of 30MB.</p> <p>Workaround: You can use the WLI Administration Console (System > Purge > Purge Tracking Data) to manually purge the data from the tracking table. You can alternatively reduce the tracking level for this process type, if the tracking data is not being used. For more information, see Managing Process Tracking Data in Process Configuration in <i>Using the WebLogic Integration Administration Console</i>.</p>

Problem ID	Description
CR268925	<p>Unauthorized users (users who do not have Administration/Update/Query rights, or claimant, assignee rights) can see the built-in and user-defined properties of a task. This can happen when a control callback or TaskEventListener delivers a TaskEvent containing this information.</p> <p>Workaround: Asynchronous events still have user properties as ChangedProperty instances (each containing a PropertyInstance with a name, type, and so on.) on them, but the property values equals to null. For system properties, they receive a ChangedProperty instance with a name, but the value is equal to null.</p>
CR180096	<p>Security Configuration Dependency on web.xml</p> <p>Do not use the WebLogic Integration Administration Console to access your business process to secure SOAP-HTTP access to your business process if you have already secured your business process using the <code>security-constraint</code> element in the <code>web.xml</code> deployment descriptor and the <code>@common:security</code> annotation. You will receive a security violation at run time.</p>
CR156713	<p>Result of trackdata() Call Not Recorded For Large Documents on Transaction Rollback</p> <p>To avoid a possible problem in subsequent archiving, if both of the following conditions are met, the result of a <code>trackdata()</code> call will not be recorded in the WebLogic Integration process events table.</p> <ul style="list-style-type: none"> • The transaction that calls <code>JpdContext.trackData(XmlObject value)</code> or <code>JpdContext.trackData(RawData value)</code> is rolled back. • The document passed in is large enough to be stored in the SQL document store. <p>Note: A document is persisted to the document store if it exceeds the size specified by the <code>weblogic.wli.DocumentMaxInlineSize</code> property in the <code>wli-config.properties</code> file. For example, the property is set as follows in the sample integration domain:</p> <pre># Minimum size for documents stored in the SQL Document Store: weblogic.wli.DocumentMaxInlineSize=524288</pre> <p>Workaround: To minimize the risk of <code>trackData</code> calls being affected by a process rollback, call <code>trackData()</code> in its own transaction (in a <code>perform</code> node encapsulated within an explicit transaction boundary).</p>

Problem ID	Description
CR104868	A rewrite of an internal code generation framework for R27.4 has eliminated known bugs causing JRockit to crash.

Running Business Processes

You must build applications that use WebLogic Integration functionality in a WebLogic Integration or WebLogic Platform domain. Running business processes and data transformations in a WebLogic Workshop domain is not supported.

Business Process

Problem ID	Description
CR382068	<p>While accessing the process information from the Oracle WebLogic Integration Administration Console after a process instance is terminated, the Could not resolve connection: could not use local transaction commit in a global transaction java.sql.SQLException: could not use local transaction commit in a global transaction exception may occur.</p> <p>Workaround: Set the value of the test-connections-on-reserve data source property to true in the DOMAIN_HOME\config\jdbc\cgDataSource-jdbc.xml file as shown below:</p> <pre><jdbc-connection-pool-params> <test-connections-on-reserve>true</test-connections-on-reserve> <seconds-to-trust-an-idle-pool-connection>0</seconds-to-trust-an-idle-pool-connection> </jdbc-connection-pool-params></pre> <p>To set the property value to true from Oracle WebLogic Server Console, in the Domain Structure pane, click Services > JDBC > Data Sources. In the Summary of JDBC Data Sources page, click cgDataSource. In the Settings for cgDataSource page, click Connection Pool and click Advanced. Select the Test Connections On Reserve check box and set the value of Seconds to Trust an Idle Pool Connection to 0 and save the configuration for the data source's connection pool.</p>
CR379835	<p>Integration sample domains are now located in the <BEA_HOME>/wli_10.3/samples/domains/integration directory and are no longer created in the <BEA_HOME>/wlserver_10.3/samples/domains/integration directory.</p>
CR378545	<p>When a WLI process accesses a service via the Service control, and the "Show in Service Assembly Modeler" option is selected, the Service Assembly Model does not show a reference to the service in the IDE.</p> <p>Workaround: Copy the WSDL to the same folder as the service control and edit the schema location in the WSDL to point to the absolute path of the schema.</p>

Problem ID	Description
CR374511	<p>Unable to see JPD configuration pane in default Process perspective.</p> <p>Properties view and JPD Configuration view can not be used together in the Process perspective.</p> <p>Workaround: To modify values in the JPD Configuration pane, you need to first close the Properties pane and then open the JPD Configuration pane (in Oracle Workshop for WebLogic IDE, select Windows menu > Show View > Other > General > JPD Configuration) and reload the JPD. To return to the Properties pane, close the JPD Configuration pane, open the Properties pane and reload the JPD.</p>
CR361300	<p>When a WSDL is generated from a WLI JPD that references XmlBeans whose schema reside in another WSDL file, then the generated WSDL only refers the namespace, but does not include the schema types from the original WSDL. This can for example happen when an ALDSP WSDL is imported into the WLI project.</p> <p>Workaround: This problem has two workaround solutions as follows:</p> <p>Approach 1 - after generating the WSDL from JPD</p> <p>After generating the JPD WSDL, copy the schema from the types section in original WSDL and insert that schema to the generated JPD WSDL's types section.</p> <p>Approach 2 - when consuming the ALDSP WSDL</p> <p>Segregate the types section from the original WSDL into an separate XML schema and reference that XML schema from within the original WSDL before importing it into the project.</p>
CR360740	<p>When a JpdProxy ant task is used for creating a JpdProxy jar file, it throws the following exception stack trace:</p> <p>[jpd-proxy-client-jar] Unmarshaller failed: com.bea.xml.XmlException: failed to load java type corresponding to t=applicationType@http://java.sun.com/ xml/ns/j2ee.</p>
CR360300	<p>If you import a WSDL for a service in Workshop Studio by using the URI Service Resource and the system fails to download the WSDL for any reason (including invalid URL), no error message is displayed.</p> <p>Workaround: If a WSDL is not downloaded, you must confirm that the URI is valid by attempting to download the WSDL using a web browser.</p>

Problem ID	Description
CR358616	<p>Compile time error appears, when you create a process from a Service control or ALSB control, using the XMLBeans option.</p> <p>Workaround: Do the following:</p> <ul style="list-style-type: none"> • If the WSDL has types, and there is no corresponding schema for those types, then copy the WSDL in to Schemas folder of the process project before generating Service Control or ALSB Control. • If the WSDL has types and there is a corresponding schema for those types, then copy that schema in to the schemas folder of the process project before generating the Service Control/ALSB Control.
CR352960	<p>Deployment of the process application fails in windows based OS environment if both the XMLBeans and JAX-RPC types are present for the same schema in the project. <code>java.lang.NoClassDefFoundError</code> for the type class is displayed on the WLS console, even though the class exists in one of the jar files existing in the project. This happens when using the Service control/ALSB control.</p> <p>Workaround: When generating the service control for the given WSDL, it is recommended either to use XML Beans or JAX-RPC types. Do not use them at the same time.</p> <p>For example, if the WSDL has types section, or if the WSDL is placed in the schemas folder of the web/util project and we generate service control out of that WSDL with JAX-RPC types, then both XMLBeans and JAX-RPC types will present in the application and as a result the deployment would fail.</p>
CR343940	<p>If you create a WSDL from a WLI JPD (right-click on JPD -> Generate -> WSDL) and you validate that WSDL (right-click on WSDL -> Validate), the validation might throw an error.</p> <p>Workaround: Don't validate the WSDL by right-click -> Validate. The build handles the WSDL validation.</p>
CR335624	<p>When using the BEA Workspace Studio Internal Web Browser to test a WLI JPD (Run As > Run on Server) and clicking on the Process Graph tab, an empty screen is displayed. This only happens if the Adobe SVG viewer is not installed.</p> <p>Workaround: The Process Graph view works with all other external browsers. You can set the external web browser in Workshop Studio as follows:</p> <ol style="list-style-type: none"> 1. Click on the main menu in BEA Workshop Studio. 2. Go to the web browser sub menu. 3. Select an external browser such as Internet Explorer or Firefox. You will now be able to view the process graph.

Problem ID	Description
CR326895	<p>A PersistenceException occurs when passing ebXML messages</p> <p>A PersistenceException occurs when passing ebXML messages with binary attachments between two B2B applications, if the documentmaxinlinesize parameter in the wliconfig.properties file is set to the default value.</p> <p>Workaround: Set the documentmaxinlinesize value to 2.5 times higher than the data size.</p>
CR298911	<p>Endless timeout events getting displayed in Test console.</p> <p>Workaround: The feature works as designed. This is a general expected behavior of all non WLI controls. The external controls are not frozen or suspended with the JPD.</p>
CR298097	<p>The browsing feature does not work for JPDs.</p> <p>Workaround: In the EAR deployment mode, the test browser allows you to browse inside the war file. However, you cannot open or read the actual files. In the split source mode, no files are displayed as the war is empty. It is not possible to reset the status of a process from within the test browser.</p>
CR297020	<p>When trying to print a WLI JPD from the Process Perspective design view on a Linux platform, the Print dialog box is not displayed.</p> <p>Workaround: None, this problem occurs due to an Eclipse platform limitation.</p>
CR292400	<p>In WLI 10.2, while generating a Process Control and Fronting JWS, empty conversation finish method is generated.</p> <p>Workaround: Works as designed. The reason, the conversation is seen when the Process Control is generated is due to the fact that there is additional node (perform) after the clientRequestWithReturn node. It is recommended to create other client visible nodes (conversation continue) after the clientRequestWithReturn node and then start the conversation annotation on the process control. Remove the perform node after the clientRequestWithReturn and the conversation start annotation on the process control is not seen. When the process control has a conversation annotation, the generated JWS will have a place holder conversationFinish method giving the client ability to finish the conversation. In this case, the client must call the conversationFinish to finish the conversation. This restriction will not be present once the JWS front end feature is enhanced so that the conversation on the JWS is finished implicitly when the JPD conversation completes.</p>

Problem ID	Description
CR287671	<p>The package names of MFL xbean types are derived from MFL file paths, relative to the schemas directory.</p> <p>For example, types for an MFL file <code>foo/BAR.mfl</code> would live in a package <code>foo.bar</code>.</p> <p>But, if the MFL file contains an alphabet which occurs after a number, the case of the alphabet changes to upper case. Also, the letter after a hyphen character changes to upper case.</p> <p>Examples:</p> <ul style="list-style-type: none"> • a file <code>/foo/foo2bar.mfl</code> will result in a package name of <code>foo.foo2Bar</code> • a file <code>/foo/foo-bar.mfl</code> will result in a package name of <code>foo.foo-Bar</code> <p>This affects upgrade scenarios where the user has:</p> <ul style="list-style-type: none"> • MFL files named in such a manner and • files (e.g. processes) which reference xbean types generated from the MFL files. <p>Workaround: You need to update the references to use the 10.2 style package names.</p>
CR284937	<p>Test console Displays Comments in the JPD</p> <p>When you use the test console to test an application that you have upgraded from 8.1 to 10.2, you may see comments annotated as follows in the Test console:</p> <pre>"/** * @jpd:process process::"</pre> <p>You can ignore these comments—the upgraded JPD contains the original (8.1) process annotations as comments and these are displayed in 10.2.</p>
CR279454	<p>Dynamically Propagate Changes in a JPD to the Control and WSDL files</p> <p>Unlike in 8.1, changes made to a JPD in 10.2 are not automatically reflected in its corresponding Control or WSDL files.</p> <p>Workaround: If any changes are made in a JPD, you must regenerate the Control and WSDL files to reflect these changes.</p>

Problem ID	Description
CR275878	<p>Renaming the default Web Content folder (Webcontent) in a Web Project.</p> <p>Renaming the default "Webcontent" folder in a Web Project would cause problems when the project is compiled or run. This is because the new name does not reflect in all the settings files that references it.</p> <p>Workaround: To successfully change the Webcontent folder name, you have to ensure that the new name is updated in the following documents:</p> <ul style="list-style-type: none"> • {webProject}/.settings/org.eclipse.wst.common.component • {webProject}/.settings/org.eclipse.jdt.apt.core.prefs <p>Open the Navigator view by clicking Window -> Show View -> Navigator. You will see a File explorer view that shows all the folders, including the hidden folders. In the Navigator view, expand the Web Project. You will see the .settings folder. Under the .settings folder, you will see the org.eclipse.jdt.apt.core.prefs file and the org.eclipse.wst.common.component file. Make sure that the new Web Content folder name is set correctly in those two files.</p>
CR245676	<p>Eclipse problems viewer which lists all the diagnostics in a JPD is displayed in the Design view.</p> <p>You can use the Design view to find the source of the error.</p>
CR206655	<p>ProcessRuntimeMBean Failing to Retrieve Stateless Business Process Instance Information in Development Mode</p> <p>The ProcessRuntimeMBean is not normally used for stateless business processes. It is usually used for stateful processes. In development mode, <i>not</i> production mode, on some processes, it may return the wrong information.</p>
CR200072	<p>Uncommitted Local Transaction when Connection Returned to Connection Pool</p> <p>The local transaction is left open. To close it, in the JDBCConnectionPoolMBean, set the property RollbackLocalTxUponConnClose="true".</p>

Cluster Configurations

Problem ID	Description
CR182788	<p>After performing JTA and JMS migrations from a failed managed server, a process instance may remain in running mode.</p> <p>A repeating set of error messages similar to the following appears in db2diag.log:</p> <pre>Instance:DB2 Node:000 PID:3888(db2syscs.exe) TID:5400 Appid:/1721616.3366.00090031001F data protection sqlpxTEntrySwitchIn Probe:300 Database:DBNAME DIA8036C XA error with request type of "". Transaction was not found. ZRC=0x80100024.</pre>
CR156912	<p>Deploying an EAR in Cluster Configurations Causes Certain Warnings That Can Be Ignored</p> <p>Specifying a cluster name as the target when you deploy an EAR file causes BEA-149055 warnings to appear in the WebLogic Server console window for the WebLogic Server that hosts the WebLogic Server Administration console (WebLogic Administration Server). These warnings include the following text:</p> <p>Having multiple individual servers of a cluster as targets instead of having the entire cluster as the target can result in non-optimal load balancing and scalability.</p> <p>You can ignore these messages.</p>

Controls

Problem ID	Description
CR359934	<p>Using JRockit 5.0 R27.3.1 and dynamic selectors in a Service Broker Control might cause problems.</p> <p>Workaround: Use JRockit 5.0 R27.4.0 and higher releases with the Dynamic control selector.</p> <p>Note: The (Dynamic) Selector has been deprecated. Please use the XML Meta Data Cache Control instead.</p> <p>The XML Meta Data Cache can be used to store configuration information to be retrieved at run-time and set to a control dynamically. For more information, see XML Meta Data Cache control.</p>
CR352733	<p>When an ALSB Transport Control/EJB control with transaction propagation is used in the exception path of a WLI JPD, the exception path is configured with “execute on rollback” and when that transaction is marked for rollback by the external entity (the ALSB server or the EJB), the process aborts.</p> <p>Workaround: The transaction must not be marked for rollback, but it must allow to throw an exception that can be handled by the process.</p>
CR335407	<p>A BindingsCheckException is thrown from the ALSB Transport control wizard when a WSDL is used to create a ALSB Transport control.</p> <p>Workaround: Update the patch profile in the IDE. For details, see Enabling Runtime (Server) Patches.</p> <p>After the patch update, use the WSDL to successfully create the ALSB Transport control. You must restart Workspace Studio after updating the patch profile.</p>
CR300356	<p>The change in the Workshop Time control behavior from 8.1 to 10.2 causes problem when the control is used from JPD.</p> <p>Workaround: WliTimerControl is the default WebLogic Integration timer control for JPDs. There is limited support for the WLW Timer Control when used from a JPD.</p>

Event Generators

Problem ID	Description
CR383232	<p>You may encounter some of the following errors if your domain's cgDataSource is configured to use Oracle's Driver (Thin XA):</p> <ul style="list-style-type: none">• Exception when you create a channel rule for a Timer event generator : javax.management.MBeanException: com.bea.wli.calendar.api.BusinessCalendarException: [WLI-Calendar:492000] An error occurred during business calendar operation"• "Exception encountered" error when you delete the Timer event generator• Timer event generator may be running but it may not deliver events to the channels <p>In all the above cases, you will see the following exception in the server log:</p> <pre>java.sql.SQLException: XA error: XAResource.XAER_PROTO start() failed on resource 'cgDataSource': XAER_PROTO : Routine was invoked in an improper context</pre> <p>Workaround: Set the value of the test-connections-on-reserve data source property to true in the DOMAIN_HOME\config\jdbc\cgDataSource-jdbc.xml file as shown below:</p> <pre><jdbc-connection-pool-params> <test-connections-on-reserve>true</test-connections-on-reserve> <seconds-to-trust-an-idle-pool-connection>0</seconds-to-trust-an- idle-pool-connection> </jdbc-connection-pool-params></pre> <p>To set the property value to true from Oracle WebLogic Server Console, in the Domain Structure pane, click Services > JDBC > Data Sources. In the Summary of JDBC Data Sources page, click cgDataSource. In the Settings for cgDataSource page, click Connection Pool and click Advanced. Select the Test Connections On Reserve check box and set the value of Seconds to Trust an Idle Pool Connection to 0 and save the configuration for the data source's connection pool.</p>
CR327768	<p>If the WLI database goes offline and is brought online again, Event Generators might not function as expected anymore. Suspending and resuming the Event Generators using the Administration Console will most likely not be enough.</p> <p>Workaround: After restarting the domain and the server, the Event Generators will work as expected again.</p>

Problem ID	Description
CR345114	<p>TIBCO anticipated listeners are not supported in WLI. When a WLI JPD with a TIBCO RV Control uses anticipated listeners to send the message to a destination, and a TIBCO RV event generator for that listener is only deployed afterwards, the event generator is not able to receive the messages in the configured timeout for Certified Messaging.</p> <p>Workaround: Deploy the event generator before the process, and then let the process send the messages to the required destinations.</p>
CR289678	<p>A SQL Exception can occur when you create an RDBMS Event Generator on a table that has LONG column(s) (Oracle Database).</p> <p>Workaround: Change the table to use LOB instead of LONG.</p>
CR276975	<p>Creating a New TIBCORV Event Generator with a blank space through WebLogic Integration Administration Console throws <code>javax.servlet.ServletException: jndi lookup failure for TIBCO Event Generator</code>.</p> <p>Workaround: Event Generator names should not have any spaces in between.</p>
CR206549 CR206332	<p>Slow Down of Sybase Database Table or Microsoft SQL Table When Using RDBMS Event Generator</p> <p>When a Trigger Type event is created on a Sybase Table or Microsoft SQL Table, the RDBMS Event Generator creates a <i>Shadow</i> table that is a replica or subset of the User's Table. The Trigger copies the Inserted, Deleted, and Updated rows from the User Table into the Shadow Table. As the rate at which rows are inserted, deleted, or updated into the User table increase beyond the rate at which the event generator can poll and process rows, the new rows become backlogged and cause the Poll query to slow down.</p> <p>Workaround: The Shadow table gets created with the same name as the Channel Rule Definition name with an <code>_BEA_SDW</code> suffix. To speed up polling and hence processing, a Unique Index must be created on a particular column. For example, if the Trigger Event name (Channel Rule Definition name) is <code>hello123</code>, the Shadow Table gets created as <code>hello123_BEA_SDW</code>. To workaround this problem, create a Unique Index as follows:</p> <pre>CREATE UNIQUE INDEX [idx_hello123] ON schema_name.hello123_BEA_SDW(BEA_SEQ_ID)</pre>
CR206519	<p>Timer Event Generator May Not Reflect Changes in Business Calendar</p> <p>After making a change to the Business Calendar, the Timer Event Generator may not pick up the change in the calendar.</p> <p>Workaround: In the WebLogic Integration Administration Console—Event Generators—View All File Event Generators window, select the appropriate Timer Event Generator, click Suspend, and then click Resume.</p>

Problem ID	Description
CR205996	<p>RDBMS Event Generator Trigger Not Deleted For Certain Trigger Type Events created on Microsoft SQL Server</p> <p>When creating a Trigger Type Event on a schema other than with the DBO username, the SQL Server creates the Trigger in the same schema as the User Table on which it was created. If there is an attempt to insert rows after the Event has been deleted, errors are thrown because the Trigger still exists. Creating the Trigger does not require a schema name prefix but dropping the Trigger requires a schema to be prefixed to the statement.</p> <p>Workaround: After the Event is deleted, the Trigger must be dropped manually using a simple command <code>DROP TRIGGER <user_table_schema_name>.<trigger_name></code>.</p>
CR204272	<p>Enabling Auto Commit for RDBMS Event Generators when Working with Informix Databases</p> <p>If you are working with an Informix database, you should always enable the auto commit mode during an Insert, Update, or Delete event.</p>
CR202902	<p>Automatic Delete for Query or Post Query Events in RDBMS Events</p> <p>In the case of an Query or Post Query Events query with automatic delete (nothing specified in Post Query), the Max Rows Per Poll value is ignored. This was tried with values of 1 and 10 for Max Rows per poll. But in each case, all the rows were published and deleted in one single poll instead of 1 or 10 per poll as specified in the Channel rule definition.</p> <p>This case is specific to the Sybase database when using the Data Direct driver.</p> <p>In Oracle 9i DB with Oracle's 9i Thin Driver, the behavior was as expected and only 1 or 10 rows were published as specified in the channel rule definition.</p> <p>In DB2 and Informix, the automatic delete option is not supported.</p>
CR201132	<p>Creating Triggers on a Sybase Database Table</p> <p>If you are working with a Sybase database, when a Trigger Event is created on a Sybase table that already has one Trigger Event of the same type, such as Insert, configured, the older Trigger is replaced. This means that the older Trigger Event stops working.</p> <p>You can have one Insert, one Delete and one Update Trigger Event per Sybase Table.</p>
CR200743	<p>Correct Data Not Published for Informix Database Triggers with Different Data Types</p> <p>Due to the fact that Informix databases have peculiar ways of retrieving the Precision and Scale of <code>DECIMAL</code> and <code>MONEY</code> data types, it is recommended that you specify the Precision and Scale in the User Table - <code>DECIMAL(p,s)</code>.</p>

Problem ID	Description
CR200681	<p>Restrictions on Trigger Type Events Created on Informix Databases</p> <p>Trigger type events created on Informix databases have some restrictions. The value specified in the No. of Threads field and Max Rows Per Poll field must always be 1 and the value specified in the Polling Interval field must be greater than the total time it takes to publish the rows picked up in every poll.</p>
CR200495	<p>Creating New RDBMS Event Generator Channel Rule Definitions in Informix Databases</p> <p>If you are working with an Informix database and you want to delete an existing channel rule and create a new channel rule with the same name as the one you just deleted, you must set the Statement Cache size to zero.</p>
CR196414	<p>File Event Generator FTP Supports Only Windows and UNIX Type FTP Servers</p> <p>Only Windows and UNIX type FTP servers are supported by the File Event Generator FTP. VMS is not supported.</p>
CR196088	<p>Using the RDBMS Event Generator in a Cluster</p> <p>To use the RDBMS Event Generator in a cluster, the managed nodes must be created with specific IP addresses and port numbers. By default, the IP addresses of the managed nodes are null. If the default settings are used, events cannot be created in RDBMS Event Generator. IP Addresses and Port Numbers of the Managed Nodes must be provided.</p> <p>Additionally, the Administration server sends messages to the distributed queue, Because the distributed queue is available only on the managed nodes, the JNDI-scoped security for <code>wli.internal.egrdbms.queue</code> must have lookup access to the default group: <code>Everyone</code>. BEA recommends always using the default security policies for administrative and server resources.</p>

Problem ID	Description
CR186350	<p>Setting Event Generator Polling Interval for Configuration Changes</p> <p>The polling interval of the Event Generators may be set to a user-defined interval by using the following Java system properties:</p> <ul style="list-style-type: none"> • Email: <code>wli.eventgen.email.checkConfigDelay</code> • File: <code>wli.eventgen.file.checkConfigDelay</code> • Timer: <code>wli.eventgen.timer.checkConfigDelay</code> <p>These properties may be set on the Java command that starts the server. Each property sets the number of milliseconds between polls. For example:</p> <pre>-Dwli.eventgen.timer.checkConfigDelay=30000</pre> <p>This sets the Timer Event Generator polling for configuration changes every 30 seconds. If not specified, the default polling interval of 10 seconds is used.</p>
CR138802	<p>Retrieving or Filtering on Timer Event Generator Metadata with Channel Type of XML is Not Supported</p> <p>Events published by the Timer event generator with channel type of XML do not contain metadata headers, consequently, filtering or retrieving events based on metadata is not supported at this time.</p>
<p>Using the RDBMS Event Generator to Publish String or XML Type Channels</p> <p>If you configure events to publish to a String or XML type channel, the published results will contain a RowState attribute similar to the following: <code><TableRow wId:RowId="2" wld:RowState="Inserted"></code>. The RowState attribute will always be “Inserted”, even if the event type is “Deleted” or “Update”. You should ignore this attribute as it does not indicate that the Row was inserted.</p>	
<p>RDBMS Event Generator Data Loss</p> <p>If the WebLogic Workshop application containing the channels to which the RDBMS Event Generator is publishing events is undeployed while the event is publishing data, or if the JDBC Store/Database used for JMS fails, but the database on which the event is configured is still running, there is a possibility of some data being lost. To minimize this possibility, the Rows allocated Per Poll to each Processing Thread should be a small number (around 50 or lesser). This number can be calculated as follows; Max Rows Per Poll/No. Of Processing Threads = Rows Per Processing Thread.</p>	
<p>RDBMS Event Generator Channel Rule Definition</p> <p>When you are creating channel rule definitions in the WebLogic Integration Administration Console, it is recommended that you do not use the Back button if you want to resubmit the details on a page. You should always use the navigation links provided and create a new channel rule definition.</p>	

Data Transformation

Problem ID	Description
CR364742	<p>Testing of a transformation involving multiple non-XML source schemas requires source data to be available for even unmapped schemas.</p> <p>In a transformation file that has multiple non-XML source types (MFL), testing of the transformation requires data for all of the source types, even if some of them are not mapped to output types.</p> <p>If data is not provided in the Test view for one or more of the source types, the following error message is displayed: The non XML data for parameter <code><parameter_name></code> could not be transformed into the appropriate XML data. Missing non optional data.</p>
CR359928	<p>XQuery mapping to <code><any></code> type target element is not retained.</p> <p>When you create a link to an <code><any></code> type target element in the Design view of an XQuery transformation, the mapping is not reflected in the Source view. When you save and close the XQuery file, the mapping is also not retained in the Design view.</p> <p>Workaround: Write the code for the transformation in the Source view.</p>
CR358244	<p>Nested <code>for</code> expression variables are not available for selection in the Design view for the peer and child clauses of the <code>for</code> expression.</p> <p>When you create a nested <code>for</code> expression in an XQuery transformation, the corresponding <code>for</code> variable is not available for selection (in the Design view) for the peer and child clauses of that <code>for</code> expression. If you try to use the <code>for</code> variable by typing the variable name, an error message (Variable used but not declared) is displayed. You cannot use nested <code>for</code> variables while creating expressions in the Design view.</p> <p>Workaround: You can use nested <code>for</code> variables expressions in the Source view and also execute the queries in the Test view. Note that after you create expressions that use nested <code>for</code> variables in the Source view, if you make any changes in the Design view, the error described above might occur again, requiring you to correct or rewrite the expression in the Source view.</p>

Problem ID	Description
CR353320	<p>While working with nested FLWOR expressions, Workshop might run out of resources.</p> <p>While working with nested FLWOR expressions in XQuery transformations, when the For...Return pane of the Target Expression view is refreshed repeatedly (for example, when you switch continually between the Design and Source views), the SWTError:No more handle error might occur, indicating that Workshop has run out of resources.</p> <p>Workaround: Close and restart Workshop.</p>
CR297754	<p>DND of Expression functions do not work on Linux.</p> <p>If you open an XQ file, select a target element in the Design view, select a function in the Expression Functions view, and attempt to DND a function to a valid location, the function is not applied.</p> <p>Workaround: You can drag and drop the function only when the mouse pointer icon changes to indicate a droppable mouse pointer.</p>
CR297025	<p>Intermittent problems with mapping a source element to a target element.</p> <p>Drag and Drop in the Linux IDE sometimes does not function when you try to map a source element to a target element.</p> <p>Workaround: Drag and drop the source element to the target element only when the mouse pointer icon changes to indicate a droppable mouse pointer.</p>
CR287396	<p>Strings that include spaces are not allowed in the XQuery Condition Editors</p> <p>In 8.1, you could create a condition in an XQuery Condition Editor that included a space in string values for the condition. However in 9.2, you must enclose such strings in single or double quotes.</p> <p>For example, in 8.1, a Decision Node with the following variable and string selected on the left and right hand sides of the builder, respectively, created a valid condition:</p> <p>(left hand side) variable: <code>'\$requestXML/ns0:shipAddress/@state'</code></p> <p>(right-hand side) string: New Jersey</p> <p>Condition Generated: <code>data(\$requestXML/ns0:shipAddress/@state) = "New Jersey"</code></p> <p>Workaround: For 9.2, the XQuery Condition Editor requires that you enclose such strings in single or double quotes—use the following syntax for a string such as the one in the right-hand side of the condition builder example above.</p> <p>'New Jersey' or "New Jersey"</p>

Problem ID	Description
CR252888	<p>It is not possible to create a copy link in non-XML to XML and XML to non-XML data transformation.</p> <p>The copy link is not created when mapping the source to the target element.</p> <p>Workaround: Create a link between the parent source and target elements. Right-click on this link and select the Induce Map option.</p>
CR223388	<p>In the XQuery Transformation Test view, source data is not generated properly for recursive elements.</p> <p>The generated data for a recursive element is empty in the Test view.</p> <p>Workaround: Correct the generated data manually and then test the XQuery.</p>
CR206671	<p>Transformation Exception for In-Flight Processes when Shutting Down and Restarting Server</p> <p>If the server is shutdown while a business process transformation is running and restarted, a transformation exception is thrown.</p> <p>Workaround: Restart the business process.</p>

Problem ID	Description
CR206148	<p>Message Format Error While Using MFL Non-XML to XML Transformation Method in Format Builder</p> <p>The delimiter of Group level causes the exception in Format Builder or run time.</p> <p>Workaround: Remove this delimiter.</p>
CR182658 CR138588	<p>Casting is Limited or Unsupported Between Some XML Schema Types and Java Types in Transformations</p> <p>During run time, the casting in transformations between the following types can be limited or unsupported:</p> <ul style="list-style-type: none"> Between different XML Schema types Between Java types and XML Schema types <p>For example, the casting is limited between the XML Schema type <code>xs:double</code> and XML Schema type <code>xs:integer</code>. The casting from a source <code>xs:double</code> to a target <code>xs:integer</code> in a transformation will be successful during run time if the source double value is equal to 8 but will fail if the source double value is equal to 8.5 or even 8.0. The casting between these XML Schema types is unlike the casting done between types in the Java or C language.</p> <p>The casting between the XML Schema type <code>xs:date</code> and the <code>java.util.Date</code> is unsupported and will fail during runtime because these two types are not equivalent. The XML Schema type <code>xs:date</code> contains only a date component and does not contain a time component while the <code>java.util.Date</code> Java class contains both a time and date component.</p>

Trading Partner Integration

Problem ID	Description
CR182302	<p>Bulk Loader Utility is Not Compatible with XA Database Drivers</p> <p>Attempting to load data in the TPM repository with the Bulk Loader configured to use an XA database driver fails with the following error: <code>No suitable driver.</code></p> <p>Workaround: Configure the Bulk Loader to use a non-XA driver, or load the data interactively using the WebLogic Integration Administration Console.</p> <p>For information about how to configure the Bulk Loader, see “Configuring the Bulk Loader Configuration File” in Using the Trading Partner Bulk Loader in Managing WebLogic Integration Solutions.</p> <p>For information about how to load TPM data using the WebLogic Integration Administration Console, see “Importing Management Data” in Trading Partner Management in <i>Using the WebLogic Integration Administration Console</i>.</p>
CR175845	<p>Extraneous Error When Deleting a Certificate</p> <p>When deleting a certificate from the WebLogic Integration Administration Console, if you encounter the following error message, click Continue to dismiss it:</p> <p style="padding-left: 40px;"><code>Certificate with name cert_name does not exist for partner partner_name.</code></p> <p>Despite the error, when you click Continue, the certificate is deleted.</p> <p>Workaround: The error message can be disregarded.</p>
CR156555	<p>WebLogic Administration Console Generated Client Certificates May Not Work for Two Way SSL Testing</p> <p>The “self-signed” client certificates that you can generate for testing purposes through the WebLogic Integration Console may not work for two way SSL configurations when client certificates are enforced on the server-side.</p> <p>Workaround: When you are testing two way SSL configurations, generate your test certificates by using other tools, such as OpenSSL.</p>

Problem ID	Description
CR155713	<p>DOCTYPE is Not Preserved in XQuery Transformations</p> <p>XQuery transformation does not preserve the DOCTYPE element.</p> <p>Workaround: If you need the DOCTYPE element in further processing, add it back into your message by using the <code>obj.documentProperties().setDoctypeSystemId</code> in a Perform node following the transformation. An example of this is shown in the “Walkthrough of the Failure Notifier Business Process” section of the “Step 2: Open the PIP0A1: Notification of Failure Example” example under the “Tutorial Steps” heading of the Tutorial: Building RosettaNet Solutions</p>
CR155685	<p>Update Older Bulkloader XML Files when Using Signature Configurations</p> <p>This version of WebLogic Integration supports MD5, in addition to SHA1, as a digest algorithm option for RosettaNet. If you want to use signature configuration with older versions of bulkloader XML files, you need to add the following attribute to these files:</p> <ul style="list-style-type: none"> <code>signature-digest-algorithm="MD5"</code> valid values are MD5, SHA-1 or NONE. <p>The <code>signature-digest-algorithm</code> attribute is optional. Its representation is a character string in the DBMS. If you do not specify a value when you import the older version of the XML file, the value is set to NONE.</p>
CR155614	<p>Trading Partner Integration API Changes</p> <p>The following APIs have changed:</p> <ul style="list-style-type: none"> <code>retrieveAllTradingPartner</code> is now <code>retrieveAllTradingPartners</code> <code>retrieveAllAuthentication</code> is now <code>retrieveAllAuthentications</code> <code>retrieveRosettaNetServiceBinding</code> is now <code>retrieveRosettaNetServiceDefaults</code>

Problem ID	Description
CR155423	<p>The ebXML Protocol Uses the Remote Trading Partner's Values for Retry Number, Retry Interval, and Persist Duration</p> <p>When you are using the ebXML protocol for Trading Partner messaging, the values used for Retry Number, Retry Interval, and Persist Duration are always the values of the <i>remote</i> trading partner, not the <i>local</i> Trading Partner.</p>
CR138262	<p>Using Controls to Send Messages from Participant Business Processes is Not Recommended</p> <p>In WebLogic Integration, you use Trading Partner Integration controls to send messages from the <i>initiator</i> business process to the <i>participant</i> business process. However, in the <i>participant</i> business process it is recommended that you use Client Response nodes to handle outgoing business messages to the <i>initiator</i>.</p> <p>If you use controls in a <i>participant</i> business process, you may lose the message response signals, such as acknowledgments and error messages. If you need to use a control to send messages instead of using the recommended design pattern, place the control in a subprocess and invoke the subprocess from the <i>participant</i> process.</p>

Upgrading Oracle WebLogic Integration

Problem ID	Description
CR382153	<p>Unable to connect to WLI Administration Console and Worklist Console after upgrading a 10.2 WLI and WebLogic Portal domain to Oracle WebLogic Integration 10g Release 3 (10.3)</p> <p>Workaround: Increase memory setting in setDomainEnv file as follows:</p> <pre>set MEM_ARGS=-Xms256m -Xmx768m set MEM_PERM_SIZE=-XX:PermSize=128m set MEM_MAX_PERM_SIZE=-XX:MaxPermSize=192m</pre>
CR382069	<p>When creating a dynamic web project and trying to reference it to an existing EAR project that was upgraded from an 8.x application, this EAR project is not listed in the "EAR project name:" drop-down list.</p> <p>Workaround: When you add a dynamic web project to an upgraded application, select “WebLogic Web Project Facets with Beehive (10.3)” in the “Configurations” drop-down list.</p>
CR379971	<p>Unable to upgrade 9.2 WebLogic Portal domain or WebLogic integration and WebLogic Portal domain to Oracle WebLogic Integration 10g Release 3 (10.3)</p> <p>Workaround: Use the upgrade script located in WLPORTAL_HOME/common/bin</p>
CR339724	<p>A WLI 9.2 production domain that uses Sun JDK will use BEA JRockit when upgraded to WLI 10.2</p> <p>Workaround: Before starting the server, set JAVA_VENDOR=Sun (or edit the setDomainEnv.cmd to add PRODUCTION_MODE=true after the set WL_HOME=.... line.). The logic of selecting jrockit/sun jdk in production mode is defined in ~wlserver_10.0\common\bin\commEnv.cmd.</p>
CR337692	<p>Deployment of a WLI application with Web Service controls fails</p> <p>Deployment of a WLI application fails after upgrading the WLI application with Web Service controls from 8.1.x to 10.2.</p> <p>Workaround: Re-create the Web Service controls migrated to 10.2 and reference the newly created 10.2 controls in their upgraded processes to successfully deploy the upgraded application.</p>

Problem ID	Description
CR300337	<code>com.bea.control.annotations.MessageBuffer</code> must not be used on the callback operations of a Process control that is used to invoke a JPD from a JWS. Using the <code>com.bea.control.annotations.MessageBuffer</code> annotation will not work reliably in a cluster environment.
CR299266	<p>After application source upgrade, MFL Transformation failed with XQuery Exception (XQRLUserException).</p> <p>In 10.2, MFL-derived XMLBeans belong to a namespace. In 8.x, XQuery transformations that use MFL-derived XMLBeans as output types must be manually updated to yield XML with elements in the appropriate namespace. The namespace used is determined by the path of the MFL file, relative to the schema source directory.</p> <p>For example, an MFL file located at <code>project/schemas/dir/purchase.mfl</code> will yield XMLBeans that belong to the XML namespace: <code>dir/purchase</code>.</p>
CR299154	<p>The Upgraded Work List Application throws a ControlException in the upgraded Integration domain.</p> <p>Workaround: The upgrade does not set the security policy when the default authenticator is used. If you use an authorization provider other than the default LDAP provider, you need to either check or set this security policy.</p> <p>After you upgrade a WebLogic Integration 8.1 domain, you must set the security policies on the Compatibility 8.1.x Task Plan and allow the 'Anonymous' role in the Create Policy. Use the Worklist Administration Console (the default authorization provider) to set the Create Policy for the Compatibility 8.1.x task plan. If you are using a third-party authorizer, use the related third-party client tools to set the policy.</p>
CR298097	<p>The Platform application upgrade from 8.1 SP5 to 10.2 failed while building the Schemas (XML Beans).</p> <p>Workaround: None</p>
CR296186	<p>Inlined XQuery expressions that occur within process annotations are not updated after selecting the "Upgrade XQ2002 to XQ2004" option.</p> <p>Even if the "Upgrade XQ2002 to XQ2004" option is selected in the Upgrade Wizard, some inlined XQuery expressions that occur within process annotations are not updated. Like, the usage of the xf: function prefix is supposed to be replaced by the fn: function prefix. So, for example:</p> <pre><case name=\"Case\" value=\"xf:string(\$x)\"/></pre> <p>should be:</p> <pre><case name=\"Case\" value=\"fn:string(\$x)\"/></pre> <p>Workaround: Manually change the function prefix in the source view.</p>

Problem ID	Description
CR295456	<p data-bbox="283 350 1158 381">The upgrade process allows the receive node 'method' to have a non-void return type.</p> <p data-bbox="283 388 1158 479">In WLI 8.1, it was possible to have a synchronous JPD where the receive node method can have a non-void return type. If such a JPD is upgraded to WLI 10.2, the upgrade process does not check the return type, which leads to a compilation error.</p> <p data-bbox="283 486 1158 576">Workaround: You can detect this error by parsing the process XML and checking the return type of the message. WebLogic Integration issues a warning/error message that the 8.x source is invalid.</p>

Problem ID	Description
CR293073	<p>Workshop Web Service Control generated in 8.1 SP4 with types selected to Java for a complex type array with rpc/encoded mapped the complex type array to anyType[] instead of the concrete type array. For example:</p> <pre> <schema targetNamespace="urn:serviciosAdminNE" xmlns="http://www.w3.org/2001/XMLSchema" ; ;> <import namespace="http://schemas.xmlsoap.org/soap/encoding/" ; ; /> <complexType name="Aplicacion"> <sequence> <element name="certificado" type="xsd:base64Binary"/> <element name="descripcion" nillable="true" type="xsd:string"/> <element name="idAplicacion" nillable="true" type="xsd:string"/> <element name="nombre" nillable="true" type="xsd:string"/> <element name="organismo" nillable="true" type="xsd:string"/> </sequence> </complexType> <complexType name="AplicacionArray"> <sequence> <element name="abonadoArray" nillable="true" type="impl:ArrayOf_tns1_Aplicacion"/> <element name="aplicacionArray" nillable="true" type="impl:ArrayOf_tns1_Aplicacion"/> </sequence> </complexType> </schema> <schema targetNamespace="http://notanot/jboss-net/services/ServicioWEBAd minNE" ; ; xmlns="http://www.w3.org/2001/XMLSchema" ; ;> <import namespace="http://schemas.xmlsoap.org/soap/encoding/" ; ; /> <complexType name="ArrayOf_tns1_Aplicacion"> <complexContent> <restriction base="soapenc:Array"> <attribute ref="soapenc:arrayType" wsdl:arrayType="tns1:Aplicacion[]"/> </restriction> </complexContent> </complexType> </schema> </pre>

Problem ID	Description
	<p>The generated Workshop Web Service Control has:</p> <pre> public static class AplicacionArray implements java.io.Serializable { public anyType[] abonadoArray; public anyType[] aplicacionArray; } public static class anyType implements java.io.Serializable { private static final long serialVersionUID = 1L; public XmlObject[] t; } </pre> <p>anyType[] is not supported by 10.2 Workshop Web Service Control. Therefore, the above Service Control after upgrade will cause errors during deployment or application archive.</p> <p>Workaround: After upgrade change the types in the service control to point to the concrete type. For example:</p> <pre> public static class Aplicacion implements java.io.Serializable { public byte[] certificado; public java.lang.String descripcion; public java.lang.String idAplicacion; public java.lang.String nombre; public java.lang.String organismo; } public static class AplicacionArray implements java.io.Serializable { public Aplicacion[] abonadoArray; public Aplicacion[] aplicacionArray; } </pre>
CR291057	<p>ebXML application using ebXMLControl within java custom control results in a Null Pointer Exception when ControlHandle.sendEvent is not used.</p> <p>Workaround: Read the note and example to <i>JPD and Control Callback</i> section of the WebLogic Integration 10.2 Upgrade Guide.</p>
CR290904	<p>Upgraded XQuery files corresponding to transform functions returning XMLObjct may fail to execute at runtime.</p> <p>Workaround: Modify the XQuery function signature to specify a return value with multiple occurrence.</p>

Problem ID	Description
CR290169	<p>Interface WSDLs are not supported by Workshop for WebLogic Platform 10.2 Web Service Control.</p> <p>This will result in an application deployment error if BPEL Import results in the generation of Workshop Web Service Control for an interface WSDL.</p> <p>Workaround: Add dummy implementation elements - <code><service></code> and <code><binding></code> - to the WSDL after BPEL Import.</p>
CR287857	<p>BPEL Import generates Workshop Web Service Control for external services specified as partnerlinks. Workshop Web Service Control does not successfully resolve external schemas imported using relative URIs into the WSDL (associated with the Service Control).</p> <p>Workaround: Copy the external schemas from the utility project to the web project. Subsequently, place the external schemas relative to the location of the WSDL in the web project.</p>
CR287291	<p>Upgraded 8.1 applications display compilation errors in JPDs' and transformation classes.</p> <p>Applications which use <code>log4j</code> classes, especially in an EJB project, require the <code>log4j.jar</code> file to build. The location of the <code>log4j.jar</code> file has changed from 8.x to the 10.2 release and needs to be specified manually.</p> <p>Workaround: After upgrading the project, manually add the <code>log4j.jar</code> file to the project build path.</p>
CR282449	<p><code>xmlObject[]</code> is not supported as a parameter for a JWS callback operation.</p>
CR282428	<p>In 10.2, <code>weblogic.jws.Types</code> annotation for JWS does not support array types.</p> <p>8.x JWS/Workshop Web Service Control with <code>jws:parameter-xml</code> / <code>jws:return-xml</code> annotation's include-java-types having an array type defined as a value will not upgrade successfully to 10.2.</p> <p>Workaround: Re-design the JWS/Workshop Web Service control before you begin to upgrade.</p>

Problem ID	Description
CR281279	<p>JAX-RPC (Tylar) binding does not support schemas that reference <code>xsd:schema</code> element.</p> <p>As shown in the following code sample, this lack of support effects generation of Workshop Web Service Control/JWS (using JAX-RPC binding) from a WSDL with references to <code>xsd:schema</code> element.</p> <pre><xsd:complexType> <xsd:sequence> <xsd:element ref="xsd:schema" /> <xsd:any/> </xsd:sequence> </xsd:complexType></pre> <p>Workaround: Assign a name to the element and use the <code>xsd:anyType</code>, as shown below.</p> <pre><xsd:complexType> <xsd:sequence> <xsd:element name="schema" type="xsd:anyType" /> <xsd:any/> </xsd:sequence> </xsd:complexType></pre>
CR275039	<p><code>weblogic.jws.Types</code> annotation is not supported on Callback operations of a JWS.</p> <p>Workaround: Refactor the service to not use the <code>weblogic.jws.Types</code> annotation.</p>
CR275002	<p>A JWS with <code>w3c.dom.*</code> (Document, Element and DocumentFragment) as parameter or return type is not supported.</p> <p>Workaround: Operation signature and return types of JWS that used <code>w3c.dom</code> types will have to be changed to use SAAJ types. The internal implementation of the operations will have to be updated to translate to or from SAAJ and <code>w3c.dom</code> types.</p>
CR274286	<p>An upgraded JWS that returned an XMLBean type will not compile.</p> <p>All operations on an upgraded JWS that returned an XMLBean type will have a compile error post upgrade. The message indicates that the return type doesn't match the element name defined by the XMLBean's schema.</p> <p>Workaround: Remove the <code>@WebResult</code> annotation or change the name to match the schema type.</p>

Problem ID	Description
CR278519	<p>There are two known issues in wftracking/M2_ArchHelloAsync.java file and Process_Tracking_Binary.java. Remove throws Exception from helloDelay_onTimeout methods.</p> <p>After the issues were resolved the issues, the following errors were seen in the Problem window.</p> <ol style="list-style-type: none"> 1. The project was not built since its build path is incomplete. Cannot find the class file for weblogic.xml.xmlnode.XMLNode. Fix the build path then try building this project (wfTrackingWeb). 2. The type weblogic.xml.xmlnode.XMLNode cannot be resolved. It is indirectly referenced from required .class files. <p>Workaround: Add weblogic.jar to the external jars list in the build path to resolve the above issues.</p>
CR277695	<p>While executing an 8.x application in WebLogic Integration, comment strings are displayed in the test browser console.</p> <p>Workaround: Works as designed. The Upgraded JPD will have comments so they are shown on test browser. Remove the comments after you the upgrade.</p>
CR265847	<p>Upgrade required for Clients that use SOAP 1.2 messaging format.</p> <p>Workaround: The WSDL for the Web Service changes during the upgrade to WebLogic Integration 10.2. To conform to the new specification, you need to regenerate the clients of Web Services that use the SOAP 1.2 messaging format.</p>
CR240167	<p>JMS control does not process incoming messages asynchronously in 10.2</p> <p>In 8.x, a JPD could use a JMS Control to process incoming messages asynchronously. This is not supported in 10.2 and will cause the JPD to fail.</p> <p>Workaround: Replace the JMS Control with the WebLogic Integration JMS Control to process incoming messages asynchronously.</p>
CR235276	<p>Use of non-SOAP XML message format over HTTP or JMS protocol is not supported.</p> <p>In 8.x releases, the non-SOAP XML message format was supported over the HTTP or JMS protocol for JWS. In Workshop for WebLogic Platform 10.2, only the SOAP protocol is supported. So, an upgraded JWS front ending JPD will not function.</p> <p>Workaround: Remove the JWS front ending JPD and create a HTTP or a JMS event generator to receive the non-SOAP XML message. Subsequently, create a message broker subscription in the JPD to receive non-SOAP XML messages, from the recently created HTTP or JMS event generator.</p>

