

BEA WebLogic® Integration

Release Notes

10.2 Maintenance Pack 1 (10.2 MP1)

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ORACLE®

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Contents

1. Introduction

Overview of WebLogic Integration	1-1
What's New in WebLogic Integration 10.2	1-2
Supported Configurations	1-4
Installation and Required Patches	1-4
Upgrading Applications	1-5
Tutorials to Help you Get Started	1-6

2. Known Limitations

Administration, Configuration, and Worklist Application	2-2
Business Process	2-10
Cluster Configurations	2-15
Controls	2-16
Event Generators	2-17
Data Transformation	2-21
Trading Partner Integration	2-25
Upgrading WebLogic Integration	2-28

3. Problems Fixed in 10.2 MP1

Introduction

This document provides the following information for WebLogic Integration (WLI) 10.2:

- [Overview of WebLogic Integration](#)
- [What's New in WebLogic Integration 10.2](#)
- [Supported Configurations](#)
- [Installation and Required Patches](#)
- [Upgrading Applications](#)
- [Tutorials to Help you Get Started](#)
- [Known Limitations](#)
- [Problems Fixed in 10.2 MP1](#)

Overview of WebLogic Integration

WLI is a unified solution for integrating business systems within an enterprise. It provides a development and run-time framework that unifies all the components of business integration – business process management, data transformation, trading partner integration, connectivity, message brokering, application monitoring, and user interaction – in a flexible, easy-to-use environment. WLI reduces the cost of management and operations by providing reliable, stable, and scalable integration solutions.

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

What's New in WebLogic Integration 10.2

The following table lists the new and enhanced features in WLI 10.2, and the corresponding benefits.

Table 1-1 New/Enhanced Features in WLI 10.2

Feature	Benefits
Interoperability and SOA Support	
Integration with AquaLogic Service Bus (ALSB)	<ul style="list-style-type: none">Flexible install options: Single domain (with unified run time) or separate domainsOptimized communications: Native JPD transport in ALSB to expose a WLI process as ALSB business service, Beehive-based ALSB control to call ALSB proxy services from within a WLI process, and seamless propagation of security and transaction contextsUnified design environment: Cross-navigation between different design perspectives; ability to create WLI and ALSB artifacts in the same eclipse workspace <p>For more information, see Installing and Using AquaLogic Integrator.</p>
Integration with AquaLogic Enterprise Repository (ALER)	<ul style="list-style-type: none">Repository browser in IDEAbility to store metadata for WLI projects in ALERMetadata model for representing JPD as an SCA typeOut-of-the-box Service Assembly Model (SAM) viewer <p>For more information, see Using ALER with WLI Applications.</p>
Process Portability	<ul style="list-style-type: none">Ability to import a BPEL 2.0 file into a JPD file for use in WorkshopAbility to export the semantics of a JPD file for use in a BPEL 2.0 design environment <p>For more information, see BPEL Import and Export User Guide.</p>
Security and Compliance	
Fine-grained access control	<ul style="list-style-type: none">Increased security for application and system-level resourcesPolicy-driven security through integration with AquaLogic Enterprise Security (ALES)For more information, see the ALES product documentation at http://e-docs.bea.com/ales/docs30/index.html

Table 1-1 New/Enhanced Features in WLI 10.2 (Continued)

Feature	Benefits
SSH-FTP (SFTP)	<ul style="list-style-type: none"> • Protection of privacy by encrypting data in transit • Higher degree of compliance for file transfers • SFTP option added to File control and SFTP event generator for event-driven processes • Pluggable architecture to support any custom SFTP library • Out-of-the-box implementation with open source SFTP libraries <p>For more information, see the Using File Control for SFTP section in File Control.</p>
Operational Efficiency	
Enhanced Administration Console	<ul style="list-style-type: none"> • Enhanced security for role-based access • Flexible packaging for re-use: Easily plug-in to any portal-based operation console within an enterprise for a composite operations view across multi-product, multi-vendor applications • Updated graphical process instance viewer <p>For more information, see Using the WebLogic Integration Administration Console.</p>
Enhanced Diagnostics	<ul style="list-style-type: none"> • Enhanced supportability through the WebLogic diagnostic framework. For more information, see Configuring and Using the WebLogic Diagnostics Framework. • Common logging with log4j and single server logs For more information, see Configuring Log Files and Filtering Log Messages.
Developer Productivity	
Eclipse Updates (3.2.2 and WTP 1.5.3)	<ul style="list-style-type: none"> • Improved developer collaboration within and across products • Faster on-boarding and generalized skill set for development

Table 1-1 New/Enhanced Features in WLI 10.2 (Continued)

Feature	Benefits
Enhanced XQuery Mapper	<ul style="list-style-type: none">• Improved two-way editing (graphical and source code views)• Graphical support for complex functions: FLWOR and typeswitch expressions• Ability to restrict output of optional elements• Support for XQuery 2002 test view For more information, see Transforming Data Using XQuery Mapper .
Tooling for automated upgrade and migration	<ul style="list-style-type: none">• Source upgrade framework from WLI 8.1.4+• Binary compatibility for WLI 9.2+ releases: No need to recompile existing projects For more information, see WLI Upgrade Guide .

Supported Configurations

- Supported operating systems: See List of Supported Operating System Configurations in [Supported Configurations for BEA WebLogic Platform 10.2](#).
- 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 [BEA Products Installation Guide](#).

When you install WebLogic Integration 10.2, the required patches in [Table 1-2](#) are installed automatically. If you uninstall any of these required patches and need to reinstall them, use the information in [Table 1-2](#) 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](#) on e-docs.

Table 1-2 List of Required Patches for WLI 10.2

Patch ID	Passcode	Dependencies
7XHQ	ZFFF5LYS	None.
H9IG	6FYLMLYV	None.
QZ24	3K3AIKYW	Depends on patch H9IG.
JRUI	CVFKX9YE	None.
2MDH	VDN99EGZ	Conflicts with patch WENG. One way exclusive (reversed).
2JGH	HU2F6WLY	None.
7QDV	GP93TXSN	None.
D596	93616ZL5	Mutually exclusive with patch MI3D.
961P	7HKUVMC3	None.
G2ZL	1PTRI55K	None.
8DG9	WL8S3SUW	None.
828G	B99K8L6Q	None.
KGQW	CE21WRJ7	None.

Upgrading Applications

You can upgrade WLI 8.1 (SP4, SP5 and SP6), WLI 8.5 (SP5 and SP6), and WLI 9.2 applications to WLI 10.2 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 Workshop. The recommended maximum memory is 1 GB.

You can change the maximum memory by setting the `-xmx` value in the `workSpaceStudio.ini` file, which, by default, is in the

BEA_HOME\workspaceStudio_1.1\workspaceStudio\ 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 WebLogic Integration, we recommend that you try out the following tutorials:

- [Upgrading WLI 8.1 or Higher and WLI 9.2 Application Source to WLI 10.2](#)
- [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 [Workshop for WebLogic tutorials](#).

Known Limitations

This section describes known limitations in the BEA WebLogic Integration (WLI) 10.2 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 WebLogic Integration](#)

Note: For information about known limitations in BEA WebLogic Platform 10.2, see the [BEA WebLogic Platform Release Notes](#).

Administration, Configuration, and Worklist Application

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}")</pre> <p>with:</p> <pre>public void subscription(org.apache.xmlbeans.XmlObject x0) { @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	<p>When you install WebLogic Platform, you can install WebLogic Server and Weblogic Integration out of the BEA home and also provide different names for Weblogic Server Home and WebLogic Integration Home. However, WebLogic Integration will not work in this case.</p> <p>Workaround: Install WebLogic Server and WebLogic Integration together in the same BEA_HOME. The WebLogic Server directory should be '%BEA_HOME%/wlserver_10.0' and WebLogic Integration directory should be '%BEA_HOME%/wli_10.2' where BEA_HOME is the location where the product is being 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 (XQRLUserException).</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 *automatically* 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 on Managing Process Tracking Data, see http://edocs.bea.com/wli/docs102/adminhelp/processconfig.html#wp1045364.</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. For more information, see the following:</p> <ul style="list-style-type: none">• “security constraint” in <i>Securing Web Applications</i> at http://e-docs.bea.com/wls/docs92/security/thin_client.html• “@common:security” annotation in the <i>Annotations Reference</i> at http://e-docs.bea.com/workshop/docs81/doc/en/workshop/javadoc-tag/common/security.html

Problem ID	Description
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 perform node encapsulated within an explicit transaction boundary).</p>
CR104868	<p>A rewrite of an internal code generation framework for R27.4 has eliminated known bugs causing JRockit to crash.</p>

Problem ID	Description
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.	
CR380315	<p>The User Portal page displays 'Internal Server Error' and ServletException is returned in server console after creating a domain and deploying the EAR file.</p> <p>Workaround: In weblogic.xml, replace the beehive-netui module reference,</p> <pre><wls:library-ref> <wls:library-name>beehive-netui-1.0</wls:library-name> <wls:specification-version>1.0</wls:specification-version> <wls:implementation-version>1.0</wls:implementation-version> </wls:library-ref></pre> <p>with the following:</p> <pre><wls:library-ref> <wls:library-name>beehive-netui-1.0.1-10.0</wls:library-name> <wls:specification-version>1.0</wls:specification-version> <wls:implementation-version>1.0.2.2</wls:implementation-version> </wls:library-ref></pre>

Business Process

Problem ID	Description
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>
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>
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>
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.

Problem ID	Description
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.
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>
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 <code>documentmaxinlinesize</code> parameter in the <code>wliconfig.properties</code> file is set to the default value.</p> <p>Workaround: Set the <code>documentmaxinlinesize</code> value to 2.5 times higher than the data size.</p>

Problem ID	Description
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>
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 <code>clientRequestWithReturn</code> node. It is recommended to create other client visible nodes (conversation continue) after the <code>clientRequestWithReturn</code> node and then start the conversation annotation on the process control. Remove the perform node after the <code>clientRequestWithReturn</code> 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>
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. 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>

Problem ID	Description
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>
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>

Problem ID	Description
CR206655	<p data-bbox="283 350 1158 406">ProcessRuntimeMBean Failing to Retrieve Stateless Business Process Instance Information in Development Mode</p> <p data-bbox="283 423 1158 513">The <code>ProcessRuntimeMBean</code> 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 data-bbox="283 538 1158 565">Uncommitted Local Transaction when Connection Returned to Connection Pool</p> <p data-bbox="283 583 1158 638">The local transaction is left open. To close it, in the <code>JDBCConnectionPoolMBean</code>, set the property <code>RollbackLocalTxUponConnClose="true"</code>.</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</pre> <p>DIA8036C XA error with request type of "". Transaction was not found. ZRC=0x80100024.</p>
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, refer to the <i>Enabling Runtime (Server) Patches</i> section at: http://edocs/wlw/docs102/guide/ideuserguide/servers/conPatchProfile.html</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
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>
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>

Problem ID	Description
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>
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>

Problem ID	Description
CR202902	<p data-bbox="350 357 1056 383">Automatic Delete for Query or Post Query Events in RDBMS Events</p> <p data-bbox="350 397 1233 510">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 data-bbox="350 526 1103 552">This case is specific to the Sybase database when using the Data Direct driver.</p> <p data-bbox="350 567 1233 619">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 data-bbox="350 635 991 661">In DB2 and Informix, the automatic delete option is not supported.</p>
CR201132	<p data-bbox="350 690 827 716">Creating Triggers on a Sybase Database Table</p> <p data-bbox="350 730 1233 817">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 data-bbox="350 833 1173 859">You can have one Insert, one Delete and one Update Trigger Event per Sybase Table.</p>
CR200743	<p data-bbox="350 888 1233 914">Correct Data Not Published for Informix Database Triggers with Different Data Types</p> <p data-bbox="350 928 1233 1015">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>
CR200681	<p data-bbox="350 1045 1049 1071">Restrictions on Trigger Type Events Created on Informix Databases</p> <p data-bbox="350 1085 1233 1189">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 data-bbox="350 1218 1153 1270">Creating New RDBMS Event Generator Channel Rule Definitions in Informix Databases</p> <p data-bbox="350 1284 1233 1371">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 data-bbox="350 1400 1180 1426">File Event Generator FTP Supports Only Windows and UNIX Type FTP Servers</p> <p data-bbox="350 1440 1233 1492">Only Windows and UNIX type FTP servers are supported by the File Event Generator FTP. VMS is not supported.</p>

Problem ID	Description
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>
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 <code>RowState</code> attribute similar to the following: <code><TableRow wId:RowId="2" wld:RowState="Inserted"></code>. The <code>RowState</code> 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>	

Problem ID	Description
RDBMS Event Generator Data Loss	
<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>	
RDBMS Event Generator Channel Rule Definition	
<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 <parameter_name> could not be transformed into the appropriate XML data. Missing non optional data.</p>
CR359928	<p>XQuery mapping to <any> type target element is not retained.</p> <p>When you create a link to an <any> 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>

Problem ID	Description
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>
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>

Problem ID	Description
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: '\$requestXML/ns0:shipAddress/@state'</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>
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 available at the following URL: http://edocs.bea.com/wli/docs92/tptutorial/rosettanet.html</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 WebLogic Integration

Problem ID	Description
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>
CR300337	<p><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>
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>

Problem ID	Description
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>
CR295456	<p>The upgrade process allows the receive node 'method' to have a non-void return type.</p> <p>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>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; } 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. Workaround: After upgrade change the types in the service control to point to the concrete type. For example: </pre> <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. The information is available at http://edocs.bea.com/wli/docs102/upgrade/component.html.</p>

Problem ID	Description
CR290904	<p>Upgraded XQuery files corresponding to transform functions returning XMLObjec may fail to execute at runtime.</p> <p>Workaround: Modify the XQuery function signature to specify a return value with multiple occurrence.</p>
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 - <service> and <binding> - 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 log4j classes, especially in an EJB project, require the log4j.jar file to build. The location of the log4j.jar 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 log4j.jar file to the project build path.</p>
CR282449	<p>xmlObject[] is not supported as a parameter for a JWS callback operation.</p>
CR282428	<p>In 10.2, weblogic.jws.Types annotation for JWS does not support array types.</p> <p>8.x JWS/Workshop Web Service Control with jws:parameter-xml/jws:return-xml 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>

Problems Fixed in 10.2 MP1

The following table lists selected problems fixed in BEA WebLogic Integration 10.2 MP1, including a Change Request (CR) number for each problem.

For more information about the known limitations in WebLogic Integration 10.2 MP1, see [“Known Limitations” on page 2-1](#).

Table 3-1 Problems Fixed in BEA WebLogic Integration 10.2 MP1

Change Request Number	Description
CR366688	Service Broker Control did not work. This problem was observed after creating a process that used signature validation of an XML file. The process control worked. However, the Service Broker Control using the same XML document did not work. This problem has been resolved.
CR355052	When a custom control has the same method name as in the JMS Control but a different number of arguments, <code>java.lang.ArrayIndexOutOfBoundsException</code> used to be returned. This problem occurred because the control container was retrieving the number of arguments from the base control method and not the extended method. This problem has been resolved.

Table 3-1 Problems Fixed in BEA WebLogic Integration 10.2 MP1

Change Request Number	Description
CR355057	<p>Worklist Tasks could not be created when the Admin Server was shut down. This problem occurred because, to post the task event to any listener, the JMX used to retrieve the Worklist event JMS destination from the Admin Server instead of using the MBeans of the local managed server.</p> <p>This problem has been resolved.</p>
CR355058	<p>The query for completed 8.1.x compatible tasks was incorrectly looking for a current Step Name of completed, instead of the Administrative State of Completed.</p> <p>This problem has been resolved.</p>
CR366690	<p>Annotation overriding was not working for the control target endpoint of the web service.</p> <p>This problem has been resolved.</p>
CR358499	<p>Events from custom controls were not received by the parent JPD.</p> <p>This problem has been resolved.</p>
CR366686	<p>When transactions failed, the process instance used to go to defunct state instead of frozen state even if <code>freezeOnFailure</code> was true.</p> <p>This problem has been resolved.</p>
CR366689	<p><code>java.lang.NullPointerException</code> used to be returned when upgrading inflight domain from 9.2 MP2 to 9.2 MP3.</p> <p>This problem has been resolved.</p>
CR367098	<p>User-defined prefix for SOAP encoding used to modified during marshaling with preset SOAP-ENC except for <code>anyType</code> values which were stored as <code>xmlstreams</code>.</p> <p>This problem has been resolved.</p>
CR368691	<p>While using a multi-threaded client to create tasks, a <code>NullPointerException</code> used to be returned. This issue used to occur initially after system startup.</p> <p>This problem has been resolved.</p>
CR369776	<p>A call made to an method belonging to the inactive version of the JPD used to result in <code>MethodNotFoundException</code>.</p> <p>This problem has been resolved.</p>

Table 3-1 Problems Fixed in BEA WebLogic Integration 10.2 MP1

Change Request Number	Description
CR370176	Completed tasks were not purged based on setting of <code>terminal-task-retention-time</code> . This problem has been resolved.
CR370415	All the channels were not listed in the WebLogic Integration console for a clustered domain that had one or more nodes which were not running on the same host as the Admin Server. This problem has been resolved.
CR370424	When a JMS client program sent a message to the queue, the message was received by the new process version of JPD and used to fail with an error message, even though the message had the correlation ID as the process instance ID of the older process version. This problem has been resolved.
CR371025	The exception <code>'java.lang.RuntimeException: Protocol 'http-soap' not available on this operation'</code> used to be returned when a JPD was called. This used to occur in a setup with a JPD and a web service control calling the web services method. This problem has been resolved.
CR372009	WebLogic Server EJB client was attempting to retrieve Task data using the Worklist API, the <code>getTask(<taskid>, <boolean (true)>)</code> method used to fail with unmarshall exception. This problem has been resolved.
CR372580	The <code>xsi:type</code> declarations used to be ignored when XML-Beans changed prefix names, therefore validation used to fail and the WebService called by the Control used to receive an invalid request. This problem has been resolved.
CR374275	Freezing or unfreezing a long running Stateful Business Process used to cause loss of data. After few cycles of freeze and unfreeze, the Business Process used to stop processing any new data. This problem has been resolved.
CR374518	WLI Console did not list all the channels in case of a cluster which had one or more nodes that were not running on the same host as the Admin server. This problem has been resolved.

Table 3-1 Problems Fixed in BEA WebLogic Integration 10.2 MP1

Change Request Number	Description
CR374631	<p>After installing the patch for CR340743, only the latest version used to be added to <code>wli-subscriptions.xml</code> for dynamic subscriptions.</p> <p>This problem has been resolved.</p>
CR374720	<p>When Workshop-generated ANT scripts are used to compile the MFL files, the MFL compiler used an incorrect URI for the target namespace of the schema elements in the MFL document. This used to cause the compilation to fail.</p> <p>This problem has been resolved.</p>
CR375028	<p>Transformation converting XMLBeans to Java object fail with <code>TransformException: The element "paging" is not recognized by the mapping.</code></p> <p>This problem has been resolved.</p>
CR374583	<p>After creating a task and setting custom properties and the worklist task properties for tasks of type: <code>/Worklist/Compatibility 8.1.x</code> in worklist backward compatibility enabled domain were not being retrieved.</p> <p>This problem has been resolved.</p>
CR379119	<p>After creating a new JMS Connection Factory and a Timer EG from the WLI Console, if the Timer EG is suspended and resumed, the setting of the Timer EG still showed the default Connection Factory.</p> <p>This problem has been resolved.</p>
CR325346	<p>When creating new tasks by using the worklist portal or the <code>RemoteWorklistTaskAdminBean</code> from a Java client, the task creation was not using the default settings for Description, Owner, Task Time Estimate and Task Completion Due Date specified in the Task Plan.</p> <p>This problem has been resolved.</p>
CR324409	<p>A JMS Event Generator in a WLI cluster failed to resume after it had been suspended.</p> <p>This problem has been resolved.</p>
CR379119	<p>Timer EG used to show default connection factory and not the JMS connection factory selected during Timer EG creation.</p> <p>This problem has been resolved.</p>

Table 3-1 Problems Fixed in BEA WebLogic Integration 10.2 MP1

Change Request Number	Description
CR331030	<p>When an XML complex type containing sequence of elements was mapped to a Java primitive Array using XQuery mapper design view, the resultant transformation did not fetch the data of all child XML elements from the complex type. Instead, the data from the first element in the complex type was produced.</p> <p>This problem has been resolved.</p>
CR359658	<p>After importing an MFL transformation into WLI 9.2 MP2, the <code>ciwMessage.getCiWMessage()</code> was null although <code>ciwMessage.xmlText()</code> displayed the expected XML document.</p> <p>This problem has been resolved.</p>
CR372010	<p>Archiving and Worklist Administration used to return exceptions in a WLI cluster Domain with managed servers.</p> <p>This problem has been resolved.</p>
CR372009	<p>WLS server EJB client retrieving Task data using the worklist API used to return unmarshall exception.</p> <p>This problem has been resolved.</p>
CR362613	<p>Message Read Column on RDBMS Event Generator page was not getting updated in cluster environment.</p> <p>This problem has been resolved.</p>
CR368219	<p><code>repeatField</code> value of "0" used to result in an MFL Exception - 'Missing non optional data'.</p> <p>This problem has been resolved.</p>
CR356096	<p>MBean lookup in the event generator section of the WLI Console was always using 'localhost' for the server address.</p> <p>This problem has been resolved.</p>
CR356162	<p>Calling user-defined function in xquery used to fail. Java object transformation containing recursive element was not transformed properly.</p> <p>This problem has been resolved.</p>
CR356163	<p>Inline attachments in e-mail messages were not getting saved to the archive folder by the Email Event Generator because they were not assigned a file name.</p> <p>This problem has been resolved.</p>

Table 3-1 Problems Fixed in BEA WebLogic Integration 10.2 MP1

Change Request Number	Description
CR356164	Email control did not support using a parameter to set the content type of the e-mail message in the Send method. This problem has been resolved.
CR356338	When dynamic transformation control was wrapped in a transaction, and same instance was used again in another transaction, <code>NullPointerException</code> used to be returned because <code>_xqVersion</code> transient was not initialized. This problem has been resolved.
CR356438	The deployment descriptor for MDB generated by the JMS Event Generator for a foreign destination was being incorrectly generated and this prevented the MDB from connecting to the foreign destination. This problem has been resolved.
CR356465	<code>HttpControl</code> method <code>setTimeout</code> (timeInMilis) was not working. This problem has been resolved.
CR356541	Unmarshall process was failing when worklist class <code>TaskData</code> was invoked from a non WLI client. This problem has been resolved.
CR357629	The FTP control did not handle command replies that contained multiple lines. This problem has been resolved.
CR366648	<code>TASK_EXPIRE</code> event was not being generated at Task Completion Due Date. This problem has been resolved.
CR371788	The <code>context_onInitialMessageFailure</code> method was not being invoked when a stateless JPD was invoked using process control by another JPD. This problem has been resolved.
CR371901	Custom control callbacks was not supported in JPD container. This problem has been resolved.
CR374727	<code>SyncAsyncServlet</code> was not working properly in a cluster environment. In a cluster, relying on server affinity for sending the message to the queue was not always working, as sometimes the message was not being sent to the local queue and was instead going to a server which was remote. This problem has been resolved.

Table 3-1 Problems Fixed in BEA WebLogic Integration 10.2 MP1

Change Request Number	Description
CR378826	Internal EG events were not properly load balanced depending on the settings of the queueconnectionfactory used. This problem has been resolved.
CR380531	Event Choice node was not working if one of the branches had an exception handler attached to it. This problem has been resolved.
CR380541	The creation, configuration and deployment of a MQ Series Event Generator through a WLST script was not supported. This problem has been resolved.
CR380542	Generation of dispatch-policy element into the WLI EJB deployment descriptors was not supported by WLI BPM Compiler. This problem has been resolved.
CR381534	JMS-EventGenerator was not polling MQ-Queue as the provider URL was missing in deployment descriptor. This problem has been resolved.
CR381683	If the remote trading partner for ebXML Control was unavailable, JPD instance did not receive any exception. This problem has been resolved.