



# BEA WebLogic Integration™

## Release Notes

Version 8.1 Service Pack 6  
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## 4. Problems Fixed in This Release

# Introduction

This document provides information about the WebLogic Integration™ 8.1 Service Pack 6 (SP6) release. For WebLogic Platform™ release information, see *Release Notes* available at the following URL:

<http://edocs.bea.com/platform/docs81/interm/relnotes.html>

## Topics Included in this Section

### **What's New in BEA WebLogic Integration 8.1 SP6**

Describes features supported in the WebLogic Integration 8.1 SP6 release, such as enhancements to Event generators, Integration Controls and Business Process Management. It also includes information about enhancements and problems fixed for this release.

### **Platform Support and System Requirements**

Provides a link to the Supported Configurations documentation.

### **Tutorials**

Provides a list of tutorials and samples provided in WebLogic Integration 8.1 SP6.

### **Adapters**

Provides information about adapters that can be used in the application integration framework.

### **Related Documents**

Provides links to documentation for previous releases of WebLogic Integration 8.1.

## What's New in BEA WebLogic Integration 8.1 SP6

This release includes several performance and feature enhancements. The following sections describe the enhancements available in this release.

For a list of problems fixed in the WebLogic Integration 8.1 SP6 release, see “[Problems Fixed in This Release](#)” on page 4-1.

### Enhancements to Event Generators and Integration Controls

- You can now modify details of `weblogic.jms.InternalJMSConnFactory` other than at the domain-level. The Queue connection factory can be configured for all Event Generators, Publish and Process Control.
- The `ftpToLocal()` API has been introduced in FileControl for FTP operations to provide a single FileControl to copy a set of remote files to a local directory.
- Dynamic transformation of MFL data is supported for input streams. However, the transformed result has to exist in memory as it does not support both input and output streams. For more information, see “Dynamic Transformation Control” in [Using Integration Controls](#) in *WebLogic Workshop Help*.

### Business Process Management

- The event generator triggers events once in the lifetime of the server, which is at server start-up. It is triggered every time the server restarts.  
A new “is Skippable” option is added to the Timer Generator Channel Rule Definition. When an event defined as "is Skippable" fires, the scheduled time is compared to the server start time. If the start time occurred after the event time, it is assumed that the server was down when the event was fired and the event is skipped.
- A new method is available that preserves message context for an application whenever all retries have been exhausted. JWS processing has a similar method for asynchronous dispatcher failure callbacks.
- You can set a global 'freeze on failure' to a JPD using a transaction node property.

## Platform Support and System Requirements

For information about platform support, including hardware and software requirements, see the BEA Supported Configurations documentation at the following URL:

<http://e-docs.bea.com/platform/supponfigs/index.html>

## Tutorials

To get hands-on experience with WebLogic Integration 8.1 SP6, we recommend that you try out the following tutorials listed in this section. In addition, try out the WebLogic Workshop<sup>®</sup> tutorials that are available at the following URL:

<http://e-docs.bea.com/workshop/docs81/doc/en/workshop/guide/navTutorials.html>

## Tutorials and Samples for WebLogic Integration

WebLogic Integration 8.1 SP6 provides the following tutorials and samples:

**Note:** The following samples are provided on dev2dev for your convenience and are not supported by BEA.

- TIBCO RV Control and Event Generator Sample

This sample application implements a simple loan processing application that uses request/reply, certified messaging and TIBCO event generator headers.

<http://e-docs.bea.com/wli/docs81/tibcorv/sample.html>

- Solution Samples

These samples provide working code plus build and configuration scripts that demonstrate best practices in implementing various application scenarios. The samples provide generalized solution architectures that are tuned for performance and scalability. To learn more see “Solution Samples,” available at the following URL:

[http://e-docs.bea.com/wli/docs81/sol\\_samples/index.html](http://e-docs.bea.com/wli/docs81/sol_samples/index.html)

## Adapters

The application integration framework provides the following key features to enable the integration of diverse enterprise systems:

- Standards-based architecture for hosting J2EE Connector Architecture (J2EE-CA) based adapters that connect enterprise applications to WebLogic Server<sup>®</sup>.
- Application views for both event and service adapters.

For more information on adapters supported in this release, see:

<http://e-docs.bea.com/wladapters/docs81/index.html>

To download the adapters, use the following URL:

[http://commerce.bea.com/products/weblogicadapters/wl\\_adapter\\_home.jsp](http://commerce.bea.com/products/weblogicadapters/wl_adapter_home.jsp)

## Related Documents

The following sections provide links to WebLogic Integration 8.1 documents.

### WebLogic Integration 8.1 SP5 Documentation Archive

The WebLogic Integration 8.1 SP5 documentation archive (including the WebLogic Integration 8.1 SP5 version of the release notes) is available at the following URL:

[http://edocs.bea.com/wli/docs81/zip/wli\\_docs81sp5.zip](http://edocs.bea.com/wli/docs81/zip/wli_docs81sp5.zip)

### WebLogic Integration 8.1 SP4 Documentation Archive

The WebLogic Integration 8.1 SP4 documentation archive (including the WebLogic Integration 8.1 SP4 version of the release notes) is available at the following URL:

[http://edocs.bea.com/wli/docs81/zip/wli\\_docs81sp4.zip](http://edocs.bea.com/wli/docs81/zip/wli_docs81sp4.zip)

### WebLogic Integration 8.1 SP3 Documentation Archive

WebLogic Integration 8.1 SP3 documentation archive (including the WebLogic Integration 8.1 SP3 version of *Release Notes*) is available at the following URL:

[http://edocs.bea.com/wli/docs81/zip/wli\\_docs81sp3.zip](http://edocs.bea.com/wli/docs81/zip/wli_docs81sp3.zip)

### WebLogic Integration 8.1 SP2 Documentation Archive

WebLogic Integration 8.1 SP2 documentation archive (including the WebLogic Integration 8.1 SP2 version of *Release Notes*) is available at the following URL:

[http://edocs.bea.com/wli/docs81/zip/wli\\_docs81sp2.zip](http://edocs.bea.com/wli/docs81/zip/wli_docs81sp2.zip)

### WebLogic Integration 8.1 Documentation Archive

WebLogic Integration 8.1 documentation archive (including the WebLogic Integration 8.1 version of *Release Notes*) is available at the following URL:

[http://edocs.bea.com/wli/docs81/zip/wli\\_docs81.zip](http://edocs.bea.com/wli/docs81/zip/wli_docs81.zip)

# Upgrading to WebLogic Integration 8.1 SP5

This section contains pointers to upgrading previous versions of BEA WebLogic Integration to WebLogic Integration 8.1 SP5. You can refer to the following sections in *WebLogic Integration Upgrade Guide* for more information.

- [Upgrading WebLogic Integration 8.1 SP3 or SP4 to WebLogic Integration 8.1 SP5](#)
- [Upgrading WebLogic Integration 8.1 SP2 and SP3 to WebLogic Integration 8.1 SP4](#)
- [Upgrading WebLogic Integration 2.1 SP 2 and WebLogic Integration 7.0 SP 2 to WebLogic Integration 8.1 SP2](#)
- [Upgrading Security Features](#)
- [Upgrading Application View Controls Created in WebLogic Workshop](#)
- [Upgrading Utility Adapters](#)
- [Upgrading an Adapter Development Project](#)

## Upgrading to WebLogic Integration 8.1 SP5

# Known Limitations

This section describes known limitations in the BEA WebLogic Integration 8.1 SP6 release software. The known limitations are grouped by the following topics:

- [Administration and Configuration](#)
- [Application Integration](#)
- [Business Process](#)
- [Cluster Configurations](#)
- [Controls](#)
- [Event Generators](#)
- [Data Transformation](#)
- [Database and Operating Systems](#)
- [Trading Partner Integration](#)
- [Upgrading WebLogic Integration](#)
- [WebLogic Workshop Online Help](#)
- [Worklist](#)
- [BPEL Import Tool](#)
- [BPEL Export Tool](#)

# Administration and Configuration

## Deadlock Encountered with WLI\_MESSAGE\_BROKER\_DYNAMIC Table Using the Sybase Driver

To prevent this deadlock encountered with WLI\_MESSAGE\_BROKER\_DYNAMIC table using the Sybase driver, the JPD designer must modify the JPD, call the MessageBroker Publish control “publish” method and then invoke the MessageBroker Subscription control “unsubscribe” method.

Reference CR237715

## Security Configuration Dependency on web.xml

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 `security-constraint` element in the web.xml deployment descriptor and the `@common:security` annotation. You will receive a security violation at run time. For more information, see the following:

- “security constraint” in *Securing Web Applications* at [http://e-docs.bea.com/wls/docs81/security/thin\\_client.html](http://e-docs.bea.com/wls/docs81/security/thin_client.html)
- “@common:security” annotation in the *Annotations Reference* at <http://e-docs.bea.com/workshop/docs81/doc/en/workshop/javadoc-tag/common/security.html>
- “Process Configuration” in *Managing WebLogic Integration Solutions* at <http://e-docs.bea.com/wli/docs85/manage/processconfig.html>

Reference CR180096

## When Starting WebLogic Server, the WebLogic Integration Domain Generates Process Tracking Messages

WebLogic Server logs the following messages regarding a WebLogic Integration domain on startup:

```
<BEA-014006> <The message driven bean (MDB) named
"ProcessTrackingEventListener" has a dispatch policy
"wli.internal.ProcessTracking" that refers to an unknown execute queue
thread pool. The default execute thread pool will be used instead.>
```

```
<BEA-014006> <The message driven bean (MDB) named
"InstanceInfoEventListener" has a dispatch policy
"wli.internal.ProcessTracking" that refers to an unknown execute queue
thread pool. The default execute thread pool will be used instead.>
```

```
<BEA-014006> <The message driven bean (MDB) named
"ProcessTrackingEventListener" has a dispatch policy
"wli.internal.ProcessTracking" that refers to an unknown execute queue
thread pool. The default execute thread pool will be used instead.>
```

You can ignore these messages.

**Note:** You can create the execute queues mentioned in these log messages using the WebLogic Server Administration console. If you do so, you should choose an appropriate thread size to match the application and tracking level. For more information about creating execute queues, see [Execute Queue --> Configuration](#) in the *WebLogic Administration Console Online Help*.

Reference CR128232

## WebLogic Integration Server EJB Warning

When starting the WebLogic Integration server, you may receive a warning similar to the following:

```
<Nov 20, 2004 11:15:18 PM PST> <Warning> <EJB> <BEA-011070>
<In the <weblogic-rdbms-bean>, for <ejb-name> 'DataBean',
some <field-group>(s) are defined but are not used in any
<weblogic-query>, <weblogic-relationship-role> or
<relationship-caching> <caching-element>s. The <group-name>(s) of
the unreferenced <field-group>(s) are: 'default'>
```

You can ignore these messages.

Reference CR206174

## WebLogic Integration Resources Require Process Projects

Many WebLogic Integration resources (for example: message broker subscriptions and versioning information) require a WebLogic Integration application listener to be defined in the `WEB-INF/web.xml` file for the current project. When a process project is created, this application listener will be defined by default in the `WEB-INF/web.xml` file. If a process is inadvertently created in a non-process project (such as a default Web project), the WebLogic Integration application listener will not be defined. During run time, these projects may appear to work in some instances but will fail when the required resource is accessed.

For a process project, the following XML elements are defined in the `WEB-INF/web.xml` file by default:

```
<listener>
<listener-class>
com.bea.wli.management.WliWebAppListener
</listener-class>
</listener>
```

## **Netscape 7.1 Not Supported For WebLogic Platform, Adobe SVG Viewer 3.0 Not Supported on Netscape 7.1**

The interactive process graph of the WebLogic Integration Administration Console uses Adobe SVG Viewer Version 3.0x. Adobe SVG Viewer Version 3.0x is not supported by the Netscape 7.1 browser. To learn more, see *Browser Requirements for the Interactive Graph* available at the following URL:

<http://e-docs.bea.com/wli/docs85/manage/processmonitoring.html>

Netscape 7.1 is also not a supported browser for WebLogic Platform 8.1. Detailed information about the operating systems and browsers WebLogic Platform supports is provided at the following URL:

<http://e-docs.bea.com/platform/supconfigs/index.html>

Reference CR155391

## **Rapid Browser Refresh Can Generate an Exception**

Refreshing a page of the WebLogic Integration Administration Console while data is still being transmitted may result in the display of the following exception:

```
java.net.SocketException: Connection reset by peer: socket write error
```

This error serves as a notification that a network error or problem on the server side prevented the page from completely loading. In the case of a rapid refresh, the browser closed the first socket while data was being transmitted across it.

Reference CR154275

## **The Global Message Broker “Time of Last Reset” Field Should Be Ignored**

With WebLogic Integration 8.1 Service Pack 2, the ability to reset Message Broker message counts on a channel-by-channel basis is supported. As a consequence, the **Time of last reset** field

on the **View Message Broker Statistics** page (which was associated with the previous, global reset functionality) should be ignored.

Reference CR138589

## Editing a Service Connection While Deploying an Adapter Instance Can Cause a Null Pointer Exception

If you click **Edit Service Connection** on the **Adapter Instance Details** page while an Adapter is deploying, the following exception may be generated:

```
java.lang.NullPointerException
```

**Workaround:** Do not click **Edit Service Connection** until you have confirmed that the adapter instance is fully deployed.

Reference CR138781

## Internet Explorer Cannot Access the WebLogic Integration Administration Console on Microsoft Windows Server 2003

On Microsoft Windows Server 2003, Internet Explorer may not be able to access the WebLogic Integration Administration Console.

**Workaround:** In Internet Explorer, go to **Tools—Internet Options—Security Tab—Custom Level**. In the Security Settings dialog box, go to **Miscellaneous—Allow META REFRESH**, and then select **Enable**.

Reference CR204142

## Deleting Tasks in Worklist Administration Module May Display Empty Pages

If a client deletes all tasks from more than one page, the Worklist Administration Module may display empty pages.

**Workaround:** Click **View All** to refresh the task list.

Reference CR204463

## Worklist Administration Module May Throw Exception Traces

The Worklist Administration Module may throw exception traces instead of clean error messages after simultaneous Worklist operations on the console; the exceptions are valid.

Reference CR203350

# Application Integration

## Async Service Counts and Suspended Async Service Counts Can Be Incorrect in Cases Where Database or EIS Failures Occur

If an XA-capable EIS being used for async service invocations fails, or if the database being used for JMS persistence fails, the transaction enclosing the work being done by an async service will be rolled back. This rolls the async service request itself back onto the AI async request queue, and allows the request to be retried. However, the transaction rollback affects only the async service request and any work it may have done against the EIS, but does not affect the suspended async service counts displayed in the WebLogic Integration Administration Console for an application view or adapter instance.

Thus, in cases where the EIS or JMS database fails after the async service count has been incremented to account for a successful async service invocation, and before the containing transaction in the async service processor MDB is committed, the async service count will be higher than the actual effective service count against the EIS (since the work done will be rolled back, but count is not decremented).

In cases where the EIS or JMS database fails after a suspended async service completes, and the suspended async service count has been decremented, and before the containing transaction in the async service processor MDB is committed, the suspended async service count will be lower than the actual effective suspended service count in the application integration async request queue (since the request was rolled back, but suspended count is not incremented).

Administrators should be watchful for failures in either a transactional EIS or database (generally they will see service failures and a suspended adapter instance and application view related to the EIS failure). After the EIS has recovered from such a failure and suspended async services have been given sufficient time to complete, the administrator should check the suspended async service count. If the count is non-zero (or even negative), the count is incorrect.

To allow administrators to force the suspended async service count back to zero in those cases that the displayed count is incorrect, the `resetSuspendedAsyncServiceCounts()` method has been added to the `AppViewSummaryMBean` interface. See the Javadoc at the following URL:

<http://e-docs.bea.com/wli/docs85/javadoc/com/bea/wlai/management/runtime/AppViewSummaryMBean.html>

Reference CR138792

## In Iterative Development Mode, Applications Deployed as EAR, JAR, WAR, or RAR files Are Not Available to Clients Such as the Application View Design Console

When the server is running in iterative development mode, only applications that are in exploded form in the Workshop Application pane may be accessed by clients such as the Application View Design Console. Applications that are packaged into a deployed EAR file are not accessible. In other words, when you are running in iterative development mode, the following conditions must be met for an application to be available for selection in the Application View Design Console:

- The application must be in exploded form (it cannot be an EAR, JAR, WAR or RAR file).
- The application directory must contain a file with the extension `.work`.

Reference CR171722

## Business Process

### How to View More Events in the Test Browser

If you want to see more than 30 events (the default) in the Test Browser, before running the business process, select the **Console** tab of the Test Browser and enter a larger number in the **Keep last *number* message** field, where *number* represents the number of messages to be displayed.

Reference CR138164

### Running Long Processes Results in out of Memory Error

Running a long process can result in an out of memory error.

**Workaround:** To solve this error, you can enable doc store and increase the document memory size in the `wli-config.properties` file. The content that you need to add to the `wli-config.properties` file is as follows:

```
# Minimum size for documents stored in the SQL Document Store:
# (leave unspecified to get the system default of 512K)
weblogic.wli.DocumentMaxInlineSize=4500
#
# Maximum size of document buffered before writing to the SQL Document Store:
```

```
# (leave unspecified to get the system default of 512K)
webllogic.wli.DocumentMaxInMemorySize=9999
#
```

Reference CR276928

## Both Reliable Tracking and Tracking Level Cannot be set to None

Reliable Tracking and Tracking Level cannot be set to none at the same time in the WebLogic Console.

**Workaround:** To set the tracking to Full and Reliable, first set Reliable Tracking to None and then set Default Tracking to None

Reference CR280779

## Versioning a Stateful Business Process Can Cause ClassNotFoundException in Previously Non-versioned Instances

If you have a non-versioned business process that you later decide to version, when you deploy the versioned process, running instances might fail due to a `java.lang.ClassNotFoundException`.

**Workaround:** If you ever plan to use versioning with a long-running business process, version your process from the beginning before deploying your application in production mode. Otherwise, you must let non-versioned instances run to completion before deploying the new versioned process.

Reference CR185348

## Control Send Node in a Business Process Invoking a WebLogic Workshop Web Service, Which in Turn Invokes a Method on a Stateful or Stateless EJB May Fail

If a **Control Send** node in a WebLogic Integration business process invokes a WebLogic Workshop Web service and the Web service then invokes a method on a stateful or stateless EJB, an exception may be thrown. The exception listed in the console, is similar to the following exception:

```
<Jun 26, 2003 3:49:56 PM EDT> <Error> <WLW> <000000> <Unable to
remove bean instance: webllogic.ejb20.locks.LockTimedOutException:
[EJB:010107] The lock request from EJB:SimpleSS with primary
```

```
key:145008051647152128 timed-out after waiting 0 ms. The
transaction or thread requesting the lock was:
Thread[ExecuteThread: '11' for queue:
'weblogic.kernel.Default',5,Thread Group for Queue:
'weblogic.kernel.Default'].
```

Reference CR110539

## When Creating a New Process Application the “Libraries for the project xxxWeb are out of date” Dialog May Appear

When creating a new Process Application or Tutorial: Process Application, you may see a dialog box asking the following question:

```
Some of the libraries for the project xxxWeb are out of date. Would
you like to upgrade now?
```

Click **Yes**, if you plan to use NetUI or WebLogic Portal<sup>®</sup> functionality in your Process Application.

Reference CR138620

## SOAPFaultException Not Supported for Generating SOAP Faults from JPDs

While you can use `javax.xml.rpc.soap.SOAPFaultException`, as discussed in the WebLogic Workshop Help, in [Generating SOAP Faults from a Web Service](http://edocs.bea.com/workshop/docs81/doc/en/workshop/guide/progmodel/conGeneratingSoapFaults.html) at <http://edocs.bea.com/workshop/docs81/doc/en/workshop/guide/progmodel/conGeneratingSoapFaults.html>, this does not work in a business process.

For a SOAP fault to be returned to the JPD client, throw `com.bea.jws.SoapFaultException` instead of `javax.xml.rpc.soap.SOAPFaultException`. See [SoapFaultException Class](http://edocs.bea.com/workshop/docs81/doc/en/workshop/java-class/com/bea/jws/SoapFaultException.html) at <http://edocs.bea.com/workshop/docs81/doc/en/workshop/java-class/com/bea/jws/SoapFaultException.html>.

Reference CR175498

## ProcessRuntimeMBean Failing to Retrieve Stateless Business Process Instance Information in Development Mode

The `ProcessRuntimeMBean` is not normally used for stateless business processes. It is usually used for stateful processes. In development mode, *not* production mode, on some processes, it may return the wrong information.

Reference CR206655

## Uncommitted Local Transaction when Connection Returned to Connection Pool

The local transaction is left open. To close it, in the `JDBCConnectionPoolMBean`, set the property `RollbackLocalTxUponConnClose="true"`.

Reference CR200072

## Performance Issue for Large Business Processes

In large business processes, editing in Source View may cause CPU usage to increase to 100% and slow down entry of information.

**Workaround:** Modify the `workshop.cfg` file to increase the memory limit to 512M.

Reference CR197552

# Cluster Configurations

## On DB2, Process Instance May Remain in Running Mode Indefinitely After Recovery

After performing JTA and JMS migrations from a failed managed server, a process instance may remain in running mode. A repeating set of error messages similar to the following appears in `db2diag.log`:

```
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.
```

Reference CR182788

# Controls

## SocketTimeoutException Encountered With HTTP Control

`HttpControl` allows the setting of `maxconnectionsperhost` and `maxtotalconnections` of Apache HTTP Client `MultiThreadedHttpClientConnectionManager` which is the connection pool manager used by HTTP control. The connection pool manager in the HTTP control is a singleton class, and the

values for the parameters are set at the time the class is loaded. The value is obtained from the following system properties:

-Dwli.httpcontrolmaxconnectionsperhost=2

-Dwli.httpcontrolmaxtotalconnections=20

**Note:** If these system properties are not specified, the default values are 2 and 20 respectively.

To specify a different parameter value, add the system properties to JAVA\_PROPERTIES in your setDomainEnv script. Replace the httpcontrol.zip located in BEA\_HOME\ext\_components and delete the http control files in the Workshop application located in the APP-INF\lib directory of the Workshop application project.

Reference CR244242

## FTPS Not Supported for File Control

The File control cannot be used to do secure FTP because FTPS is not supported.

Reference CR126674

## Passing XML Bean from JWS to JPD Using Process Control Generates Exception

It is not possible to call a JWS from a business process (JPD) using the Process control and XML bean arguments. Attempts to pass an XML Bean in this case generate an exception similar to the following:

```
Throwable: com.bea.control.ProcessControlException:  
[WLI-Core:530214]ProcessControl invocation failed[EJB Exception:  
: java.lang.IllegalArgumentException: argument type mismatch
```

Reference CR138486

## Making Synchronous Calls Using a Process Control Across Application Boundaries with Complex Java Types

When making a synchronous call using a Process control across application boundaries that contain complex Java types, you must add the Java classes to the System CLASSPATH.

Reference CR198290

## Specified Scheme, Server Name, or Port Number in Process Control Target is Ignored

The Process control target can be specified in several ways:

- through the `jc:location` annotation on the `jcx` file
- by invoking the `setTargetURI` or `setProperties` methods on the control
- with dynamic properties

This target location is relative to the application. It must not have a scheme, server name, or port number. If a scheme, server name, or port number is specified, it will be ignored.

Reference CR138481

## Event Generators

### Retrieving or Filtering on Timer Event Generator Metadata with Channel Type of XML is Not Supported

Events published by the Timer event generator with channel type of XML do not contain metadata headers. So, filtering or retrieving events based on metadata is not supported at this time.

Reference CR138802

### Slow Down of Sybase Database Table or Microsoft SQL Table When Using RDBMS Event Generator

When a Trigger Type Event is created on a Sybase table or Microsoft SQL table, the RDBMS event generator creates a *Shadow* 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.

**Workaround:** The Shadow table gets created with the same name as the channel name (specified when defining the channel rule) with an `_BEA_SDW` 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 name) is `hello123`, the Shadow table gets created as `hello123_BEA_SDW`. To workaround this problem, create a unique index as follows:

```
CREATE UNIQUE INDEX [idx_hello123] ON  
schema_name.hello123_BEA_SDW(BEA_SEQ_ID)
```

Reference CR206549 and CR206332

## Restrictions on Trigger Type Events Created on Informix Databases

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.

Reference CR200681

## Enabling Auto Commit for RDBMS Event Generators when Working with Informix Databases

If you are working with an Informix database, you should always enable the auto commit mode during an Insert, Update, or Delete Event.

Reference CR204272

## Creating New RDBMS Event Generator Channel Rule Definitions in Informix Databases

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 channel name as the one you just deleted, you must set the Statement Cache size to zero.

Reference CR200495

## Creating Triggers on a Sybase Database Table

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.

You can have one each of Insert, Delete and Update Trigger Event per Sybase Table.

Reference CR201132

## View All Timer Event Generators Page Does Not Refresh Status

When using a Timer event generator, the **View All Timer Event Generators** page does not refresh the status from Suspend to Running after clicking Resume.

**Workaround:** You must refresh the browser page to view the updated status.

Reference CR206528 and CR202902

## Setting Event Generator Polling Interval for Configuration Changes

The polling interval of the event generators may be set to a user-defined interval by using the following Java system properties:

- **Email:** `wli.eventgen.email.checkConfigDelay`
- **File:** `wli.eventgen.file.checkConfigDelay`
- **Timer:** `wli.eventgen.timer.checkConfigDelay`

These properties may be set on the Java command that starts the server. Each property sets the number of milliseconds between polls. For example:

```
-Dwli.eventgen.timer.checkConfigDelay=30000
```

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.

Reference CR186350

## Timer Event Generator May Not Reflect Changes in Business Calendar

After making a change to the Business Calendar, the Timer event generator may not pick up the change in the calendar.

**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**.

Reference CR206519

## File Event Generator FTP Supports Only Windows and UNIX Type FTP Servers

Only Windows and UNIX type FTP servers are supported by the File event generator FTP. VMS is not supported.

Reference CR196414

## Large Message Transfer Fails in RDBMS Event Generator

When field type is CLOB or BLOB (Oracle) or field length exceeds the maximum integer value (for other databases), `NumberFormatException` is thrown in the `rdbmseg.log` file.

Reference CR238779

## Data Transformation

### Rebuild of a Schema project Sometimes Disables Typed XML Types

Rebuild of a Schemas project can sometimes disable all the **Typed XML** types from appearing in the WebLogic Workshop panes. For example, importing an XSD file into a Schemas project may disable the **Typed XML** types from appearing in the **Configure XQuery Transformation Method** pane.

If you experience this behavior, close your WebLogic Workshop application and reopen it. All the **Typed XML** types should now be displayed in the WebLogic Workshop panes.

Reference CR173029 and CR185979

### XMLBeans APIs Not Supported for Local Element and Complex Type Variables Produced by XQuery

If your process definition (JPD) uses XQuery to produce a local element or complex type variable, XMLBeans APIs such as the `getXXX()` and `setXXX()` methods, will not work in the JPD user code. Local elements or complex types are usually used in XQuery code to specify the output for a **For Each** node or Transformation node.

**Workaround:** Use subsequent XQuery transformations to extract or map data from such variables.

Reference CR138983

### Do Not Delete the System XSD Schema Files

If your WebLogic Workshop application is using any of the system XSD files, do not delete any of the XSD system files from your Schemas project directory because the system XSD schemas are interdependent. For example, the system `TPM.xsd` and `xmldsig-core-schema.xsd` schemas are dependant on each other and removing one of these XSD files from your Schemas project will result in the following design-time error:

```
XQuery Document Initialization failed. Design View unavaliable
```

**Caution:** Removing a system XSD file from a Schemas project directory may not produce a schema compilation error.

Reference CR125413

## Casting is Limited or Unsupported Between Some XML Schema Types and Java Types in Transformations

During run-time, the casting in transformations between the following types can be limited or unsupported:

- Between different XML schema types
- Between Java types and XML schema types

For example, the casting is limited between the XML Schema type `xs:double` and XML Schema type `xs:integer`. The casting from a source `xs:double` to a target `xs:integer` 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.

The casting between the XML Schema type `xs:date` and the `java.util.Date` is unsupported and will fail during run-time because these two types are not equivalent. The XML Schema type `xs:date` contains only a date component and does not contain a time component while the `java.util.Date` Java class contains both a time and date component.

Reference CR182658 and CR138588

## IOExceptions Thrown in Test View

In the **Test View** of the mapper, the `java.io.IOException` maybe be thrown when the size of the input data for the query is a multiple of 8K. This exception is only thrown when the query is run in the **Test View** of the mapper, during run-time (outside the mapper) the query will run successfully with the same input data.

Reference CR138758

## Test XML Generation for XML Schemas With Choice Groups or the Pattern Schema Components Are Not Supported

The **Test View** of the mapper does not generate the input XML test data correctly for XML Schemas that contain choice groups or pattern schema components. (For choice groups, all the choice groups are generated.)

To learn more about choice groups in XML Schemas see the following URL:

<http://www.w3.org/TR/xmlschema-0/#groups>

To learn more about pattern schema components see the following URL:

<http://www.w3.org/TR/2001/REC-xmlschema-2-20010502/#rf-pattern>

**Workaround For Choice Groups:** In the **Test View** of the mapper, before running the query, edit the XML data that is generated and delete any extra choice groups so that only a single choice group remains.

**Workaround For Pattern Schema Components:** In the **Test View** of the mapper, edit the generated XML data to be valid data for the pattern.

To learn more about editing XML data in the **Test View**, see [Testing Maps in the Test View](#).

Reference CR138245

## Using XQuery Keywords in XPath Expressions

In XPath expressions, if the name of an element contains an XQuery keyword and the element does not have a namespace associated with it, use the child syntax to refer to the element in the XPath expression. For example, instead of referring to an element using the following syntax:

`$a/for`, use the unabbreviated syntax: `$a/child::for`.

The reserved XQuery keywords are:

- for
- let
- some
- every
- unordered
- validate

To learn more about the reserved XQuery keywords, see the following URL:

<http://www.w3.org/TR/2002/WD-xquery-20020816/#N4021F0>

To learn more about the unabbreviated syntax, see the following URLs:

<http://www.w3.org/TR/xpath20/#unabbrev>

<http://www.w3.org/TR/xpath20/#abbrev>

Reference CR145977 and CR154697

## Deviations from the W3C XQuery August 2002 Draft Specifications

The WebLogic XQuery engine conforms to the August 16, 2002 draft of the W3C XQuery specification which is available at the following URL:

<http://www.w3.org/TR/2002/WD-xquery-20020816/>

The following are the known deviations from that specification:

- Escaped whitespace characters are not supported.
- The XQuery `xf:NOTATION` constructor is not supported.
- The XQuery `normalize-unicode` function is not supported.
- The XQuery `xs:error` function invoked with an argument is not supported.
- The XQuery `processing-instruction` is not supported.

Reference CR143114, CR143234, CR148091, CR185099, and CR199645

## Message Format Error While Using MFL Non-XML to XML Transformation Method in Format Builder

The delimiter of Group level causes the exception in Format Builder or run time.

**Workaround:** Remove this delimiter.

Reference CR206148

## Transformation Exception for In-Flight Processes when Shutting Down and Restarting Server

If the server is shutdown and restarted while a business process transformation is running, a transformation exception is thrown.

**Workaround:** Restart the business process.

Reference CR206671

## Database and Operating Systems

### Continuous Execution of Applications on Solaris 8, Solaris 9, or Solaris 10 Operating Systems Using an Oracle Database Can Cause the Java Hot Spot VM (1.4.2\_04) to Fail

When some WebLogic Workshop applications are run continuously under heavy loads on the Solaris 8, Solaris 9, or Solaris 10 operating systems using an Oracle database, the Java Hot Spot VM (1.4.2\_04) can fail and throw the following exception:

```
Unexpected Signal : 11 occurred at PC=0xFEDCD0F4
```

Contact BEA Customer Support for the latest patch.

**Note:** This patch is not required for the Java Hot Spot VM 1.4.2\_06 or later.

**Workaround:** Follow the steps in this procedure:

1. Create a file called `.hotspot_compiler` in the server home directory. The server home directory contains the `startWebLogic.sh` file for the current domain.
2. Add the following line to the `.hotspot_compiler` file:

```
exclude oracle/jdbc/driver/OraclePreparedStatement executeBatch
```

Reference CR179157 and CR197793

### Business Processes Abort or Do Not Complete after Database Crashes During Two-Phase Commit

If your business processes do not complete or if they abort after your database crashes during the Prepare phase of a two-phase commit, you should restart the managed servers.

For information about recovery, see “WebLogic Integration Application Recovery” in the *WebLogic Integration Solutions Best Practices FAQ*, which is located at the following URL:

<http://e-docs.bea.com/wli/docs85/bpfaq/recovery.html>

Reference CR138799 and CR199827

# Trading Partner Integration

## Service Broker/Process Control Message Tracking

The Service Broker/Process control message tracking does not work, even when it is turned on using the TPM service profile. Use B2B message tracking with ebxml and RN

Reference CR187027

## Using Controls to Send Messages from Participant Business Processes is Not Recommended

In WebLogic Integration, you use Trading Partner Integration controls to send messages from the *initiator* business process to the *participant* business process. However, in the *participant* business process it is recommended that you use Client Response nodes to handle outgoing business messages to the *initiator*.

If you use controls in a *participant* 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 *participant* process.

Reference CR138262

## Bulk Loader Utility is Not Compatible with XA Database Drivers

Attempting to load data in the TPM repository with the Bulk Loader configured to use an XA database driver fails with the following error: `No suitable driver.`

**Workaround:** Configure the Bulk Loader to use a non-XA driver, or load the data interactively using the WebLogic Integration Administration Console.

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* at the following URL:

<http://e-docs.bea.com/wli/docs85/manage/bulkloader.html>

For information about how to load TPM data using the WebLogic Integration Administration Console, see “Importing Management Data” in [Trading Partner Management](#) in *Managing WebLogic Integration Solutions* at the following URL:

<http://e-docs.bea.com/wli/docs85/manage/tpm.html>

Reference CR182302

### Extraneous Error When Deleting a Certificate

When deleting a certificate from the WebLogic Integration Administration Console, if you encounter the following error message, click **Continue** to dismiss it:

Certificate with name *cert\_name* does not exist for partner *partner\_name*.

Despite the error, when you click **Continue**, the certificate is deleted.

**Workaround:** The error message can be disregarded.

Reference CR175845

## Upgrading WebLogic Integration

### After Upgrading to WebLogic Integration 8.1 SP4, startWebLogic.sh and startManagedWebLogic.sh Do Not Have Executable Permission

**Workaround:** After upgrading, you must manually change the permissions to start the WebLogic Server.

Reference CR206534

### Upgrade Scripts Fail in Certain Instances During Upgrade From Initial Release of WebLogic Integration 8.1 to WebLogic Integration 8.1 SP2

Certain internal JMS queues, such as `wli.internal.tracking.buffer_error`, are presumed not to exist. When the upgrade script tries to write the entries and finds that they are already present, instead of skipping over the entries, it fails.

**Workaround:** Manually remove the corresponding JMS Queue Entries from `config.xml` before running the upgrade scripts.

Reference CR206328

### JMS Connection Factory for RDBMS Event Generator Not Created Automatically

A JMS Connection Factory (JNDI name is `wli.internal.egrdbms.XAQueueConnectionFactory`) is required for the RDBMS event generator in WebLogic Integration 8.1 SP4. However, it is not created automatically by the upgrade script.

**Workaround:** Create the XA Connection Factory manually with the following parameters:

- Load Balancing—on
- Server Affinity—off
- XA Transactions—on

Reference CR205534

## Worklist Run-time State Cannot Be Migrated from WebLogic Integration 8.1 Initial Release to any Service Pack Release

**Note:** Before upgrading the initial release of WebLogic Integration 8.1 to WebLogic Integration 8.1 SP4, you must upgrade to WebLogic Integration 8.1 SP2. For more information, see “Upgrading WebLogic Integration 8.1 SP2 and SP3 to WebLogic Integration 8.1 SP4” in *WebLogic Integration Upgrade Guide*.

The Worklist run-time state cannot be migrated to WebLogic Integration 8.1 SP2. For more information, contact BEA Customer Support.

Reference CR206641

## WebLogic Workshop Online Help

### Using the Suppressible Attribute for a Static Subscription Sample Documentation—WebLogic Builder Strips CDATA Block Notation From Deployment Descriptors

The [Using the Suppressible Attribute for a Static Subscription](#) sample documentation in the WebLogic Workshop Online Help instructs you to use the WebLogic Builder tool to modify the deployment descriptor for the JMS event generator message-driven bean to set the JMS event generator pool size to 1.

The deployment descriptor’s (`ejb-jar.xml`) `message-selector` element includes XML characters, which are wrapped in a CDATA block, as shown in the following line:

```
<message-selector><![CDATA[GROUPID>=100 and  
GROUPID<200]]></message-selector>
```

A bug in the WebLogic Builder tool causes the CDATA block to be stripped when you edit the deployment descriptor:

```
<message-selector>GROUPID>=200 and GROUPID<300</message-selector>
```

When the `message-selector` element is defined like this, the JMS event generator cannot be deployed.

**Workaround:** To workaround this problem, use a tool other than the WebLogic Builder to modify the `max beans in pool` (that is, to set the JMS event generator pool size to 1).

Reference CR128683

## Worklist

### User-Defined Properties for Tasks Cannot Be Sorted by Property Value

Using the `TaskSelector.setSortByPropertyValue()` method to sort tasks results in an EJB exception.

**Workaround:** Dynamically generate the SQL to query the database for tasks based on specific properties and sort accordingly.

Reference CR195278

### Login from Worklist User Interface Not Case Sensitive

The Worklist user interface allows logging in without checking for case sensitivity. However, the tasks associated with users are case sensitive. This means that if users do not login with the correct case, they will not be able to see their tasks. For example, if the login associated with the tasks is *MANAGER1* and the user logged into Worklist as *manager1*, that user's tasks would not be visible.

**Workaround:** Users must use the login name with the same case when logging into the Worklist user interface as used when the tasks were created.

Reference CR205374

### Querying by Task Owner when the Owner is a Group Throws Security Exception

If the owner is a group, you cannot query by task owner using the `Task Selector` or the WebLogic Integration Administration Console.

Reference CR204255 and CR203240

## Order of Task Worker Control Methods Return Results Not Guaranteed

For all methods in the Task Worker control that takes in an array of `taskIds` and returns an array of values, the order in which results are returned is not guaranteed.

Reference CR183491

## Web Service Cannot Take or Return an XmlObject That is Null

A web service (JWS) cannot take in or return an `XmlObject`, or any object containing an `XmlObject` if that `XmlObject` is null.

Reference CR238967

## BPEL Import Tool

This section details some known limitations and issues of the BPEL Import tool. The majority of these issues exist because of the inherent differences between the JPD and BPEL languages.

It is very important that you confirm that the generated JPD file corresponds semantically with the input BPEL file.

- Conversion of Compensation Handlers is not supported. If you try to convert a BPEL file that contains Compensation Handlers, a warning appears stating that Compensation Handlers are not supported and are ignored in the generated JPD file. The conversion process will continue after this warning is displayed.
- Global `eventHandler` is not supported. If it is included in the BPEL file, it is ignored during the conversion process and the following message appears: `Global EventHandlers are not supported, hence ignored.`
- Conversion of `wait` and `onAlarm` for which the duration is specified using the `until` attribute is not supported. If the `until` attribute is contained in the BPEL file, a warning appears stating that it is not supported and is ignored in the generated JPD file. The conversion process will continue after this warning is displayed.

**Note:** Both attributes (`for` and `until`) cannot be specified in a valid BPEL file.

- A BPEL file that starts with a `flow` is not supported. You cannot convert a BPEL file that has a `flow` construct as a first logical child. In this instance, logical activity refers to any activity other than sequence and scope.
- Conversion of `links` from activity `flow` is not supported. If `links` are present in the BPEL file that you want to convert, a warning appears stating that the generated JPD file

may be erroneous as it contains `links`, `source`, `target`. The conversion process will continue and will ignore these unsupported activities.

- Conversion of a BPEL file in which more than one `reply` activity is used to return normal output/outcome is not supported. In order to qualify for conversion, a BPEL file must only contain one `reply` activity to return a normal outcome. This is due to the fact that in a JPD file, there can only be one `returnMethod` for any synchronous `clientReceive`. However, in a BPEL file, there can be several `reply` activities for a single `receive`. There is no direct way to map one `receive` and several `reply` nodes to a single `clientRequestWithReturn`.
- A `pick` activity with more than one `onAlarm` activity is not supported for conversion. This is due to the fact that `pick` gets converted to `eventChoice`. Each `eventChoice` can have at most one `timeoutEvent` node, which is generated for an `onAlarm` activity.
- Specifying the `for` attribute of `onAlarm` activity using `bpws:getVariableData(..)` is not supported. When a `for` attribute is specified using `bpws:getVariableData(..)`, the imported code produces a syntax error.
- If the import fails with the following message: `WARNING: Failed to parse input XSD & WSDL files. Please see logs for detail, and the log file contains the following error message: Duplicate global type, you should specify that multiple definitions of the namespace are ignored.`

The log file for the import process, named `BpelImport.log`, is stored in `%BEA_HOME%\weblogic81\workshop` where `%BEA_HOME%` is the directory where you installed WebLogic Workshop. This log file provides information about the import process.

To specify that multiple definitions of the namespace are ignored, select **Schema Project** → **Properties** → **Build** and list the namespaces to be ignored in the **ignore multiple definitions in following namespaces** field.

- Limited query parsing is performed when `assign` activities are imported. Therefore, the generated XQuery expressions might not always be syntactically correct. Make sure that you verify the correctness of any generated XQuery expressions.
- Any reference to SOAP encoding types in your BPEL file will result in import failure. If you want to import a BPEL file that contains SOAP encoding types, you must place the *SOAP Encoding* XSD file in the WSDL directory when importing through WebLogic Workshop.
- When `assign` is converted to a variable, the resultant XQuery file may contain the following “PARSE ERROR” in the Design view: The main XML element does not match the root node of the target schema. However, you can ignore this

message as the correct value is generated at run-time. This error is due to the fact that the **Design** view of XML Mapper has limitations and might not always be able to parse even correct XQuery expressions.

- After you import a BPEL file that contains scope level `eventHandlers` in the `onMessage` branch, a dummy Timer method may be generated for the `eventHandler onMessage` path. JPD specification mandates that `onMessage` and `onTimeout` paths can only be associated with process nodes (or block of nodes) that do not run automatically. To handle this constraint, a dummy Timer node with a 1 second timeout is created if an `eventHandler` is associated with a scope that does not contain any `receive`, `onMessage`, `flow`, or `wait` activity.
- When a BPEL file is imported, queries are not parsed, they are imported ‘as is’. You must properly qualify the query string or the generated XQueries will fail at run-time, by setting the `attributeFormDefault="qualified"` and `elementFormDefault="qualified"` and then using the qualified query string.
- A BPEL file may have `reply` activities on multiple partner links. This is not supported in a JPD file. Only one such partner link will be converted as `clientRequestWithReturn` that matches the reply semantics. `reply` activities on other partner links will be converted into an asynchronous interface.
- BPEL Event Handlers are translated to JPD `onMessage` paths which have slightly different semantics. In the imported JPD file, once the event is received and the `onMessage` path is executing, the block (corresponding to the BPEL scope) does not continue executing until the `onMessage` path completes. This also means that only one instance of an Event Handler can be active at any one time.
- In the imported JPD file, Event Handlers will not be triggered while waiting for the response of a synchronous Web service.
- The BPEL Import tool converts BPEL `invoke` activities to Web Service `controlSend` calls. It generates a Web Service control for the specified partner service and the JPD file invokes the corresponding method on the control. This release has some limitations in its capability to generate a Web Service control (a JCX file) in certain situations. You should carefully examine the contents of the generated JCX file to ensure that you can compile it.
- If the input WSDL file does not have any bindings and service information for any `portTypes`, the BPEL Import tool tries to generate a method for each `portType` with some default values for the binding and service information. You should review these default values carefully. You should provide valid binding and service information after the import.

- The JPD file generated from BPEL processes that contain `<reply>` in Switch, Case, or Otherwise nodes may not be logically correct. This is because the matching `receive` and `reply` of the synchronous operation are not present at the same level.
- BPEL allows event handlers to be associated with any arbitrary activities. However, a JPD file does not support cases where event handlers are associated with any node inside a `<receive>` - `<reply>` block. In such a scenario, the generated JPD may not compile.

## BPEL Export Tool

This section details some of the known JPD export limitations.

- Any warning messages that are generated during the export process do not include an exact line number reference of the original JPD file.
- Constants declared in a JPD file are captured in the BPEL file as `jpd:initialValue`.
- When you export a JPD file that contains a Service Broker control, the shape of the process and control WSDLs are derived from the JPD file and are different from the JPD WSDL.
- Any methods that are not directly associated with a JPD node are lost during the export.
- If a converted control (Service Broker or Process) produces a method with a void return, there are two possible causes:
  - the corresponding operation has no output message.
  - the operation has an output message with no parts.

The BPEL Export tool does not distinguish between the two cases and always assumes that the first case is true.

- User schemas are referenced by a `xsd:include` element. If the types used are in a WSDL file, it is exported using `wSDL:import`.
- If the schemas folder is created with the default name, all XSD files placed in the top level directory of this folder will be referenced by an absolute file URL. For all other XSD files, just the filename is referenced.
- If a JPD file contains `ArrayList` or another `Collection` class's `add()` method, a non-standard JPD namespace attribute `jpd:appendToCollection` is generated with its value set to `true`.
- If MFL types are used in the JPD file, they are converted to a dummy empty type and the following warning message is displayed:

MFL types are not supported for export. Creating an empty element type for `<type>`.

- Assign statements are generated to assign global variables to and from Web service messages. However, if the Web service message does not have any part defined, no assign statement is generated.
- Service controls are treated as generic Java controls. The original WSDL file for the Service control is not used in the export.
- `afterExecute=resume` is not supported for the following paths:
  - `OnTimeout`
  - `OnException`
  - `OnMessage`
- `freezeOnFailure=true`, `onSyncFailure`, and `persistent` are not supported.
- `executeOnRollback` is not supported for `OnException` path.
- Transaction blocks are converted into a scope with BPEL extension `jspd:transaction` set to `true`.
- XQuery transformations are copied into the `<jpd:xquerycode>` node as a BPEL extension.
- During the export process, Java code is copied into the `<jpd:javacode>` node as a BPEL extension.
- Message Broker subscriptions are exported as partner links. The message broker channel name and subscription filter are not included in the export.
- Perform nodes are exported as an empty activity. Java code is included as a `<jpd:javacode>` extension.
- Attribute information for controls in the JCX file or before the control declaration are lost. For example, for Message Broker controls, the channel name and subscription filters are not copied into the exported BPEL or WSDL files.
- When process variable names, control file names (`.dtf`, `.jcs` and so on), control method names, parameters used in control methods, variable names defined for controls, and `.jpd` file names that contain special character like `$` are exported to `.bpel` files, these names are used as is in the “name” attribute of “variable” and “variable” attribute of “to”. Since BPEL schema defines these attributes as `NCName` type, these special characters become invalid in the generated `.bpel` file. However, this limitation is no longer valid for the `$`

character. For any other special character (that is not valid NCName or QName type), although the .bpel file is generated, schema validation of the file fails.

**Workaround:** The generated .bpel file needs to be manually modified by using valid characters.



# Problems Fixed in This Release

The following table lists selected problems fixed in BEA WebLogic Integration 8.1 SP6, including the Change Request (CR) number for each problem

To learn more about the known limitations in the WebLogic Integration 8.1 SP6 release, see [“Known Limitations” on page 3-1](#).

**Table 4-1 Problems Fixed in BEA WebLogic Integration 8.1 SP6.**

Change Request Number	Description
CR231621	<p>DB2 XA Configurations ran at a slow rate while using DB2 XA configurations. There is a negative impact on performance if the application has been running for an extended period of time.</p> <p>The problem has been resolved.</p>
CR238789	<p><b>Problem:</b> Every call to <code>setTaskCompletionDueDate</code> on a task resulted in a JMS message posted to the <code>wli.internal.worklist.timer.queue</code>. This message is delivered at a later date and triggers callback calls on Task controls.</p> <p>The Task controls list that waits for callbacks on a Task is in table <code>WLI_WORKLIST_LISTENER</code>. In the absence of a listener waiting on a task, every time <code>setTaskCompletionDueDate</code> is called, one more message is posted on this queue resulting in millions of tasks opened at a given time.</p> <p>The problem has been resolved. WebLogic Integration posts expiration messages only if there are listeners waiting on tasks</p>

Change Request Number	Description
CR252921	<p><b>Problem:</b> In some cases the XML to MFL transformation failed with a DataMismatchException as the output size of the MFL object did not match the required data definition.</p> <p>The problem has been resolved. NonXMLWriterVisitor uses default values when these values are not specified.</p>
CR247924	<p><b>Problem:</b> The Quality of Service of logging of tracking events to Runtime/Reporting data streams was not configurable. <a href="#">Tracking &amp; Reporting can be configured as orUnrel</a></p> <p>The problem has been resolved. If both data streams are configured as reliable, then the runtime tracking data and reporting data is always consistent with JPD. If any exception occurs during the flushing of these data, the entire transaction is rolled back.</p> <p>If both data streams are configured as unreliable then the runtime tracking and reporting data is flushed in a different transaction. This data is independent of a JPD transaction. So in this case if the server crashes after completion of JPD, all the tracking and reporting data is lost.</p>
CR256518	<p><b>Problem:</b> The WebLogic Integration cluster did not work if the Administration server is down.</p> <p>The problem has been resolved.</p>
CR258928	<p><b>Problem:</b> The current JMS connections continue to increase with a gradual increase in consumption of memory – and the current JMS connections are not properly closed due to faulty process tracking.</p> <p>The problem has been resolved. Process tracking does not cause a JMS connection leak.</p>
CR258935	<p><b>Problem:</b> The issues are resolved using the same method as default delimiters are resolved in Non-XML to XML transformation</p>
CR260348	<p><b>Problem:</b> The pause time increases exponentially as more controls are added to JPD.</p> <p>The problem has been resolved. WebLogic Integration caches icons to improve performance.</p>
CR260893	<p><b>Problem:</b> When a JPD application was redeployed the user submitted a taskComplete action. The onTaskCompleted call back in the JPD instance did not receive a call and remained in a running state.</p> <p>The problem has been resolved. RemoteWorklistManager throws an exception and marks the transaction for rollback if an error is encountered when dispatching events for task callbacks.</p>

Change Request Number	Description
CR262025	The issue of time calculation with respect to time zones has been resolved.
CR262179	<b>Problem:</b> At times, a stateful JPD does not persist. This issues is now resolved
CR263031	<b>Problem:</b> The "PROCESS_INSTANCE" column of the WLI_TASK_ARCHIVING table logs the URI of the process, rather than the process instance ID. The problem has been resolved. WLI_TASK_ARCHIVING.PROCESS_INSTANCE value matches corresponding value from WLI_WORKLIST_TASK.PROCESS_INSTANCE for stateful JPD.
CR265208	<b>Problem:</b> An ArrayIndexOutOfBoundsException exception is observed during the processing of an incoming MFL to the WLI process resulting in a large CSV file. The problem has been resolved.
CR266540	<b>Problem:</b> When an XML document with a DAT element as root is submitted, it fails the runtime validation. The W3 documentation does not indicate that the included elements are considered local elements. The problem has been resolved. WLI provides custom mapping for the prologue.
CR266580	<b>Problem:</b> When a new task was created in the callback path, TaskControl set the owner of the task to anonymous even though JPD was started by the WebLogic user. This occurs when the customer uses the task control factory. The task owner is the user who starts the JPD. In both cases context.getCallerPrincipal() method returns "anonymous" opposed to user "weblogic" The problem has been resolved.
CR269507	<b>Problem:</b> Transformation failed when a MFL document had RepeatUnboundedStructNode ending with a shared delimiter When there was a RepeatUnboundedStructNode that was terminated by a shared delimiter of the parent Struct node, the transformation failed with DataMismatchException. The problem has been resolved. NonXMLReaderVisitor and NonXmlWriterVisitor have been updated.
CR269796	<b>Problem:</b> When an ebXML control was wrapped within a Java custom control, on invocation from within a JPD, EBXMLControlHelper threw a ClassCastException. The problem is resolved if you iterate through parent containers until the JPDContainer is found

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<b>Change Request Number</b>	<b>Description</b>
<b>CR272338</b>	<p><b>Problem:</b> An <code>IndexOutOfBoundsException</code> was thrown from internal source code. <code>onException</code> received an <code>IndexOutOfBoundsException</code> from an internal source code. This occurs right after a sub process finished its work then called back a parent process.</p> <p>The problem has been resolved.</p>
<b>CR274066</b>	<p><b>Problem:</b> When a dynamic transformation control was used, and a URL (referencing a file containing MFL) in the code to perform transformations, if the MFL file was updated, that update was not effective unless the server was restarted.</p> <p>The problem has been resolved. The <code>unregisterMFL</code> method has been added to dynamic transformation control</p>
<b>CR275105</b>	<p><b>Problem:</b> A <code>NumberFormatException</code> occurred during a Bin to XML transformation.</p> <p>The problem has been resolved. The default string length is in bytes, use <code>-Dwli.nonxml.strLenInChars=true</code> if the string length is specified in characters</p>
<b>CR279880</b>	<p><b>Problem:</b> While HTTP control was used, 'java.net.SocketException: Too many open files' exception occurred.</p> <p>The problem has been resolved. Socket connections are being released in the final block.</p>