

# **TIBCO Adapter™ for Oracle Applications**

## **Release Notes**

*Software Release 5.4.1  
June 2011*

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# Preface

TIBCO Adapter for Oracle Applications is used as a bi-directional gateway between the Oracle applications and the applications configured for the TIBCO environment.

## Topics

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- [Connecting with TIBCO Resources, page ix](#)

# Typographical Conventions

The following typographical conventions are used in this manual.

Table 1 General Typographical Conventions

Convention	Use
<i>TIBCO_HOME</i> <i>ENV_HOME</i> <i>ADORAPPS_HOME</i>	<p>Many TIBCO products must be installed within the same home directory. This directory is referenced in documentation as <i>TIBCO_HOME</i>. The default value of <i>TIBCO_HOME</i> depends on the operating system. For example, on Windows systems, the default value is C:\tibco.</p> <p>Other TIBCO products are installed into an <i>installation environment</i>. Incompatible products and multiple instances of the same product are installed into different installation environments. An environment home directory is referenced in documentation as <i>ENV_HOME</i>. The default value of <i>ENV_HOME</i> depends on the operating system. For example, on Windows systems the default value is C:\tibco.</p> <p>TIBCO Adapter for Oracle Application installs into a directory within <i>TIBCO_HOME</i>. This directory is referenced in documentation as <i>ADORAPPS_HOME</i>. The default value of <i>ADORAPPS_HOME</i> depends on the operating system. For example on Windows systems, the default value is C:\tibco\adapter\adorapps\5.4.</p>
code font	<p>Code font identifies commands, code examples, filenames, pathnames, and output displayed in a command window. For example:</p> <p>Use MyCommand to start the foo process.</p>
bold code font	<p>Bold code font is used in the following ways:</p> <ul style="list-style-type: none"><li>• In procedures, to indicate what a user types. For example: Type <b>admin</b>.</li><li>• In large code samples, to indicate the parts of the sample that are of particular interest.</li><li>• In command syntax, to indicate the default parameter for a command. For example, if no parameter is specified, MyCommand is enabled: MyCommand [<b>enable</b>   disable]</li></ul>

Table 1 General Typographical Conventions (Cont'd)




Convention	Use
<i>italic font</i>	<p>Italic font is used in the following ways:</p> <ul style="list-style-type: none"> <li>• To indicate a document title. For example: See <i>TIBCO ActiveMatrix BusinessWorks Concepts</i>.</li> <li>• To introduce new terms. For example: A portal page may contain several portlets. <i>Portlets</i> are mini-applications that run in a portal.</li> <li>• To indicate a variable in a command or code syntax that you must replace. For example: <code>MyCommand PathName</code></li> </ul>
Key combinations	<p>Key name separated by a plus sign indicate keys pressed simultaneously. For example: <code>Ctrl+C</code>.</p> <p>Key names separated by a comma and space indicate keys pressed one after the other. For example: <code>Esc, Ctrl+Q</code>.</p>
	The note icon indicates information that is of special interest or importance, for example, an additional action required only in certain circumstances.
	The tip icon indicates an idea that could be useful, for example, a way to apply the information provided in the current section to achieve a specific result.
	The warning icon indicates the potential for a damaging situation, for example, data loss or corruption if certain steps are taken or not taken.

Table 2 Syntax Typographical Conventions

Convention	Use
[ ]	<p>An optional item in a command or code syntax.</p> <p>For example:</p> <pre>MyCommand [optional_parameter] required_parameter</pre>
	<p>A logical OR that separates multiple items of which only one may be chosen.</p> <p>For example, you can select only one of the following parameters:</p> <pre>MyCommand para1   param2   param3</pre>

Table 2 *Syntax Typographical Conventions (Cont'd)*

Convention	Use
{ }	<p>A logical group of items in a command. Other syntax notations may appear within each logical group.</p> <p>For example, the following command requires two parameters, which can be either the pair param1 and param2, or the pair param3 and param4.</p> <pre>MyCommand {param1 param2}   {param3 param4}</pre> <p>In the next example, the command requires two parameters. The first parameter can be either param1 or param2 and the second can be either param3 or param4:</p> <pre>MyCommand {param1   param2} {param3   param4}</pre> <p>In the next example, the command can accept either two or three parameters. The first parameter must be param1. You can optionally include param2 as the second parameter. And the last parameter is either param3 or param4.</p> <pre>MyCommand param1 [param2] {param3   param4}</pre>



## Connecting with TIBCO Resources

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### How to Join TIBCOCommunity

TIBCOCommunity is an online destination for TIBCO customers, partners, and resident experts, a place to share and access the collective experience of the TIBCO community. TIBCOCommunity offers forums, blogs, and access to a variety of resources. To register, go to <http://www.tibcommunity.com>.

### How to Access All TIBCO Documentation

After you join TIBCOCommunity, you can access the documentation for all supported product versions here:

<http://docs.tibco.com/TibcoDoc>

### How to Contact TIBCO Support

For comments or problems with this manual or the software it addresses, please contact TIBCO Support as follows.

- For an overview of TIBCO Support, and information about getting started with TIBCO Support, visit this site:

<http://www.tibco.com/services/support>

- If you already have a valid maintenance or support contract, visit this site:

<https://support.tibco.com>

Entry to this site requires a user name and password. If you do not have a user name, you can request one.



# Release Notes

Check the TIBCO Product Support web site at <http://support.tibco.com> for product information that was not available at release time. Entry to this site requires a username and password. If you do not have a username, you can request one. You must have a valid maintenance or support contract to use this site.

## Topics

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- [Changes in Functionality, page 7](#)
- [Deprecated and Removed Features, page 11](#)
- [Compatibility and Migration, page 12](#)
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- [Known Issues, page 24](#)

# New Features

This section lists features added since the last major release of this product.

Introduced in Release	Feature
5.4.1	<b>Support for Oracle 11g</b>  The adapter now supports Oracle 11g as the underlying RDBMS for Oracle Applications.
5.4.1	<b>Support for Oracle Applications 12.1.x</b>  This release of the adapter adds support for Oracle E-Business Suite 12.1.x on all platforms supported by the adapter.
5.4.1	<b>Additional Platform Support</b>  This release adds support for the following platforms: <ul style="list-style-type: none"><li>• Microsoft Windows 7</li><li>• Microsoft Windows Server 2008</li><li>• Microsoft Windows Server 2008 R2</li><li>• Solaris 10 x86</li><li>• IBM AIX 6.1</li><li>• SUSE Linux Enterprise 10.x, 11.x</li></ul>
5.4.0	<b>New Inbound Business Services for R12 Introduced</b>  This release of the adapter introduces API Simple services and API Wrapper services.
5.4.0	<b>New Inbound Business Services for R12 Introduced</b>  This release of the adapter introduces Concurrent Program services.
5.4.0	<b>Support for Oracle Applications 12.0.x</b>  This release of the adapter adds support for Oracle E-Business Suite 12.0.x on all platforms supported by the adapter.

Introduced in Release	Feature
5.4.0	<b>Additional Platform Support</b> This release adds support for the following platforms: <ul style="list-style-type: none"> <li>• Red Hat Enterprise Linux 4.6, 5.0, 5.1.</li> <li>• Microsoft Windows Vista.</li> </ul>
5.3.2	<b>Support for Oracle Applications 12.0.0</b> This release of the adapter adds support for Oracle E-Business Suite 12.0.0 on all platforms supported by the adapter. Refer LBN1-8LJKSY for information regarding using the packaged examples with Oracle E-Business Suite 12.0.0.
5.3.2	<b>Additional Platform Support</b> <ul style="list-style-type: none"> <li>• Added support for Red Hat 4.0.</li> </ul>
5.3.1	<b>Additional Platform Support</b> <ul style="list-style-type: none"> <li>• Added support for Solaris 10.</li> <li>• Added support for AIX 5.3.</li> </ul>
5.3.1	<b>Additional Database Support</b> <ul style="list-style-type: none"> <li>• Added support for Oracle 10g RAC.</li> </ul>
5.3.1	<b>Logging Enhancement</b> Logging, for end-to-end traceability, now has certain changes and enhancements related to the CP Status Logging, details of log records, and log levels.
5.3.0	<b>Support for Oracle 10g</b> The adapter now supports Oracle 10g as the underlying RDBMS for Oracle Applications.
5.3.0	<b>Support for Oracle Applications 11.5.10</b> This release of the adapter supports Oracle Applications 11.5.10.
5.2.1	<b>Added Platform Support</b> HP-UX 11iv2 on Itanium is now supported.

Introduced in Release	Feature
5.2.1	<b>Support for Oracle 9i/RAC</b> The adapter now supports Oracle 9i/RAC as the underlying RDBMS for Oracle Applications.
5.2.1	<b>New Examples</b> Two new examples have been added to this release of the adapter. These examples demonstrate how you can use the TIBCO Adapter for Oracle Applications to add information to the Oracle Applications e-Business Suite using the Open Applications Group (OAG) as an intermediary data exchange format.
5.2.0	<b>Support for Oracle Applications 11.5.9</b> The adapter now supports Oracle Applications 11.5.9. The Predefined Subscription Non-API transactions, Predefined Publication transactions and Predefined Subscription API transactions of the adapter support Oracle Applications 11.5.5, 11.5.8 and 11.5.9.
5.2.0	<b>Support for End-to-End Traceability</b> The adapter now supports End-to-End Traceability for the Subscription Service. A record inserted into the TIBCO log table TIB_INT_LOG_SUB by the adapter is mapped onto the source from which it originated.
5.2.0	<b>Support for Dynamic Population of Concurrent Program Parameters</b> The adapter now supports population of values for Concurrent Program parameters at run-time. Values can be passed to these parameters in the Header Intermediate table by modifying the main_adb procedure in the Subscription SQL scripts.
5.2.0	<b>Support for Purging TIBCO Records from the Oracle Interface Tables</b> All records that were previously inserted by the adapter into the Oracle Interface tables can now be purged by executing the PreCommitStored procedure. Records inserted into the Oracle Interface tables by other sources will not be deleted.
5.2.0	<b>Added Platform Support</b> The following platforms are now supported: <ul style="list-style-type: none"> <li>• Red Hat Linux AS 3.0</li> <li>• AIX 5.2</li> </ul>

Introduced in Release	Feature
5.1.0	<b>Support for TIBCO BusinessWorks 5.1</b> The adapter can be used in a TIBCO BusinessWorks 5.1 process.
5.1.0	<b>Added Platform Support</b> Support has been added for Solaris 9, AIX 5.1, HP11i, Windows XP, Windows 2003 (Enterprise Edition).
5.1.0	<b>Update of pre-defined API transactions for 11.5.8</b> A number of pre-defined subscriptions APIs have changed from Oracle Applications version 11.5.5 to 11.5.8. This release gives you the flexibility of selecting the Oracle Applications version on which the API is deployed.
5.0.1	<b>Support for the JMS transport</b> In this release, the JMS (Java Messaging Service) transport is also available in addition to the TIBCO Rendezvous transport. An adapter service that uses the JMS transport can communicate only with the TIBCO Enterprise for JMS server.
5.0.1	<b>Support for multi-file format projects</b> TIBCO Designer now allows you to save adapter projects in multi-file format at design-time. This format is useful if multiple adapter configurations are defined in the same project and are worked on by several developers. The adapter configuration files can be managed by a version control system such as Microsoft Visual SourceSafe.
5.0.1	<b>Connection Management</b> Support for connection pooling and flexible connection management are available. The adapter detects loss of connectivity to Oracle Applications due to sudden network outages or due to the Oracle Applications server going down. The adapter uses suitable connection management mechanisms that will ensure maximum adapter uptime and minimum impact on message transfer.
5.0.1	<b>New installer</b> The new installer program has three modes available for installation: GUI, console and silent. The GUI mode presents panels that allow you to make choices about product selection, product location, and so on. Console mode allows you to make installation choices from the command line. Silent mode either installs using the default settings or uses a response file that was saved during an earlier installation.

Introduced in Release	Feature
5.0.1	<b>New TIBCO Hawk microagent</b>  A new TIBCO Hawk microagent provides statistics about the business operations carried out by the adapter.
5.0.1	<b>Java Based Database Tool</b>  Enables users to identify the differences between different versions of Oracle Applications 11i.
5.0.1	<b>Oracle Applications Palette Enhancements</b>  Provides the ability to select Language, Responsibility and Application using TIBCO Designer.
5.0.1	<b>Subscriber With Reply Enhancements</b>  The status (error or success) messages are now returned back to the output variables of the pre-commit stored procedures, which can be passed to the calling application. In case of error records, only the error message is returned. In case of success records the key fields, which are generated are also returned along with the success message.
5.0.1	<b>Enhanced error management</b>  The adapter uses an enhanced error reporting mechanism. Error messages provide more detail, are contextual and can be applied uniformly across adapters. Low-level exception messages like system and TIBCO Rendezvous messages now have appropriate adapter-level information. The error messages descriptions and resolutions are documented in the respective adapter user's guides.



## Changes in Functionality

This section lists changes in functionality since the last major release of this product.

Changed in Release	Functionality
5.4.1	<b>Removed Platform Support</b> IBM AIX 5.2 is no longer supported. Solaris 8 is no longer supported.
5.4.0	<b>Removed Platform Support</b> Red Hat Linux 3.0 is no longer supported.
5.4.0	<b>Removed Oracle E-Business Suite Version Support</b> Oracle E-Business Suite version 11.5.9 is no longer supported.
5.3.2	<b>Removed Oracle E-Business Suite Versions Support</b> Oracle E-Business Suite versions 11.5.5 and 11.5.8 are no longer supported.
5.3.1	No changes in functionality for this release.
5.3.0	<b>Enhanced DBtool</b> The report generated by DBtool now provides more details about the differences between two databases.
5.3.0	<b>Added New Open Receiving Transaction</b> You can now configure the Open Receiving transaction from TIBCO Designer.
5.2.1	No changes in functionality for this release.
5.2.0	<b>Removed Platform Support</b> Microsoft Windows NT is no longer supported.
5.2.0	<b>Added Columns in Tables</b> The columns TIBCO_SOURCE and TIBCO_SOURCE_ID have been added to all Header Intermediate tables for the Subscription service and the TIBCO log table TIB_INT_LOG_SUB.

Changed in Release	Functionality
5.2.0	<b>Added Fields in the Subscriber Options Tab of Predefined Non-API Subscription Transactions</b>  The fields Column1 For End-To-End Traceability, Column2 For End-To-End Traceability and Concurrent Program Name have been added in Subscriber Options tab of all Predefined Non-API Subscription transactions. The first two fields enable End-to-End Traceability and the third enables passing of concurrent program parameters at run-time.
5.2.0	<b>Removal of Field from the Configuration Tab of OracleApps Business Object Configuration</b>  The field Apps Version has been removed from the Configuration tab of OracleApps Business Object configuration instance.
5.1.0	<b>Flexibility to Use Apps Version</b>  In the Configuration tab of the adapter a new combo box <b>Apps Version</b> is added. The <b>Apps Version</b> contains the Oracle Applications versions 11.5.5 and 11.5.8. The <b>Apps Version</b> is used while configuring a Predefined Inbound API Business Object.

Changed in Release	Functionality
5.1.0	<p data-bbox="392 225 742 251"><b>Changed TIBCO Hawk Methods</b></p> <p data-bbox="392 269 1285 338">The following TIBCO Hawk methods have changed parameters and are now available in the adapter's class microagent.</p> <ul data-bbox="392 347 913 555" style="list-style-type: none"> <li>• <code>getActivityStatistics()</code></li> <li>• <code>getActivityStatisticsByOperation()</code></li> <li>• <code>getActivityStatisticsByService()</code></li> <li>• <code>getThreadStatistics()</code></li> <li>• <code>getQueueStatistics()</code></li> <li>• <code>getConnectionStatistics()</code></li> </ul> <p data-bbox="392 564 1285 668">The following parameters for the above methods are new or have changed (where applicable). In addition, the parameter order for some of the above methods has changed.</p> <ul data-bbox="392 677 1313 1050" style="list-style-type: none"> <li>• The new output parameter <code>MeasurementInterval</code> displays the time (in seconds) since last time the adapter was reset, or if never reset, since the adapter started.</li> <li>• The <code>Total</code>, <code>Success</code>, and <code>Failure</code> output parameters type has changed from <code>string</code> to <code>integer</code>.</li> <li>• The new output parameter <code>LineIndex</code> is used as an index for the method. Its value is a concatenated string of the <code>Operation</code> and <code>ServiceName</code> parameters separated by a comma.</li> <li>• The new output parameter <code>NumLostConnections</code> displays the total amount of time the connection has been lost.</li> </ul>
5.1.0	<p data-bbox="392 1076 778 1102"><b>TIBCO Hawk Class Agent Property</b></p> <p data-bbox="392 1119 1313 1258">The <code>adb.addCustomHawkMethodsToClassMAgent &lt;on/off&gt;</code> property has been added to the adapter's property file. The property is set to <code>on</code> by default. Setting the property to <code>off</code> does not allow adding custom methods to the adapter's class microagent.</p>
5.1.0	<p data-bbox="392 1275 892 1302"><b>TIBCO Rendezvous TX No Longer Supported</b></p> <p data-bbox="392 1319 1285 1423">The TIBCO Rendezvous Transactional quality of service option is no longer supported. The option is still available in the adapter's palette for backward compatibility with previous adapter releases.</p>
5.0.1	<p data-bbox="392 1440 721 1466"><b>Palette Consistency Changes</b></p> <p data-bbox="392 1484 1285 1553">The Connection tab has been renamed as Design-time Connection tab. The fields in this tab have been reorganized.</p>

Changed in Release	Functionality
5.0.1	<p><b>Installer changes</b></p> <p>The adapter installation program no longer includes the TIBCO Runtime Agent software, which is required by the adapter. The software must be installed prior to installing the adapter.</p> <p>In previous releases, TIBCO software could be uninstalled using the TIBCO Uninstaller program. In this release, each software component is uninstalled separately by navigating to the _uninst folder and running the Tibuninstall utility.</p>
5.0.1	<p><b>Design-time adapter</b></p> <p>There is no Design-time Adapter needed from this release onwards. The adapter palette now handles the functionality of the Design-time adapter.</p>
5.0.1	<p><b>Repository Server</b></p> <p>The repository server is now a component of TIBCO Administrator. Access control to the repository server can be set using TIBCO Administrator.</p>

## Deprecated and Removed Features

This section describes deprecated features (if any), and lists features, if relevant, that may be useful alternatives to the deprecated features. Any use of a deprecated feature should be discontinued as it may be removed in a future release. You should avoid becoming dependent on deprecated features and become familiar with the suggested alternative features.

This section also lists features that are removed (if any).

Deprecated in Release	Feature
5.4.1	No features are deprecated or removed in this release.
5.4.0	All the pre-define inbound business services have been deprecated.
5.3.2	No features are deprecated or removed in this release.
5.3.1	No features are deprecated or removed in this release.
5.3.0	No features are deprecated or removed in this release.
5.2.1	No features are deprecated or removed in this release.
5.2.0	No features are deprecated or removed in this release.
5.1.0	<p><b>Deprecated feature</b> The following 5.0.1 and earlier TIBCO Hawk methods available in the adapter's <i>custom</i> microagent have been deprecated:</p> <ul style="list-style-type: none"> <li>• <code>getActivityStatistics()</code></li> <li>• <code>getActivityStatisticsByOperation()</code></li> <li>• <code>getActivityStatisticsBySchema()</code></li> <li>• <code>getActivityStatisticsByService()</code></li> <li>• <code>getThreadStatistics()</code></li> <li>• <code>getQueueStatistics()</code></li> <li>• <code>getConnectionStatistics()</code></li> </ul> <p><b>Equivalent functionality</b></p> <p>The above methods are now available in the adapter's <i>class</i> microagent and have been enhanced (as described in <a href="#">Changes in Functionality on page 7</a>).</p> <p>If you use TIBCO Designer 5.1 to modify a 5.0 or earlier adapter configuration for use with a 5.0 or earlier run-time adapter, you must use the methods in the custom microagent, not the methods in the class microagent.</p>

## Compatibility and Migration

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This section provides information on the adapter's compatibility with other TIBCO applications.

For information on the adapter's compatibility with TIBCO Runtime Agent (TRA) and other TIBCO applications, see the readme file for TIBCO Adapter for Oracle Applications.

For information on migrating to a newer version of TIBCO Runtime Agent, see the TIBCO Runtime Agent documentation set.

You need to install TIBCO Database Drivers Supplement first to use TIBCO Adapter for Oracle Applications 5.4.1 with TIBCO Runtime Agent 5.7.x.

TIBCO Adapter for Oracle Applications 5.4.1 is not applicable to TIBCO ActiveMatrix BusinessWorks Plug-in for Oracle E-Business Suite.

## Additional Release Notes

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Adapters are supported by infrastructure products from TIBCO. See the following release notes for information about open and closed issues that may affect the adapter.

- TIBCO Designer release notes are available in:  
`<install-path>\tibco\designer\<version number>\doc\`
- TIBCO BusinessWorks release notes are available in:  
`<install-path>\tibco\bw\<version number>\doc\`
- TIBCO Runtime Agent release notes are available in:  
`<install-path>\tibco\tra\<version number>\doc\`
- TIBCO Administrator release notes are available in:  
`<install-path>\tibco\admin\<version number>\doc\`
- TIBCO Enterprise Message Service release notes are available in:  
`<install-path>\tibco\ems\doc\`

## Closed Issues

This section lists product defects that were closed in the named release. For additional Closed Issues related to TIBCO Adapter for ActiveDatabase, refer Closed Issues in *TIBCO Adapter for ActiveDatabase Release Notes*.

Closed in Release	Defect #	Summary
5.4.1	AORA-334	Oracle E-Business Suite 12.1.2 and above were not supported. This defect has been fixed.
5.4.1	AORA-333 1-AV1S5N	Oracle E-Business Suite running on Oracle 11g was not supported. This defect has been fixed.
5.4.1	AORA-324 1-9SZIF5	Oracle E-Business Suite 12.1 was not supported. This defect has been fixed.
5.4.0	1-8QKLGS	When the patch 5903765 was applied to Oracle 11.5.10.2 and above, an Oracle error occurred during the Open Item transaction initialization for multi-organization setup. This issue has been fixed.
5.4.0	1-8QHV6K	When a subscription service was configured with a parent-child relationship and the Extended Copy operation was performed, you could only subscribe to the parent data. This defect has been fixed.
5.3.2	1-8D8DK9	The PL/SQL script generated by the adapter failed to insert the data into the trans_name field when the data length was greater than 10 characters. This has been fixed. The maximum data length for the trans_name field is now 40.
5.3.2	1-7UZ4YD	The ADB Adapter publisher terminated when polling for outgoing message after re-establishing a connection to the database in case of connection loss. This has been fixed.



Closed in Release	Defect #	Summary
5.3.2	1-801WBO	<p>When the usernames APPLSYS and APPS and their respective passwords were changed, the adapter could not log into the schemas associated with the usernames and threw an exception.</p> <p>This has been fixed.</p>
5.3.2	1-81HY7V	<p>The adapter truncated the 4-digit Oracle Applications patch release version to a 3-digit release version. As a result, the adapter could not identify the supported Oracle applications release versions.</p> <p>This has been fixed.</p>
5.3.2	1-82J6Q6	<p>The parenthesis was missing in the ALTER TABLE command in the common_all.sql script.</p> <p>This has been fixed.</p>
5.3.1	1-7BYBJ9	<p>Configuring a predefined, NON-API inbound adapter for Auto Invoicing transactions with Oracle E-Business Suite 11.5.5 resulted in the plsql Package being incorrectly generated.</p> <p>This has been fixed.</p>
5.3.1	1-6Y0F2B	<p>Modifications to deep child objects did not get updated to the parent object, and as a result, data was not published.</p> <p>This has been fixed.</p>
5.3.1	1-78QJ5S	<p>The <b>dbtest</b> utility was not available on UNIX platforms.</p> <p>This has been fixed.</p>
5.3.1	1-768IN5	<p>Configuring the Oracle E-Business Suite Business Object (BO) with tables residing in schemas other than those mentioned in the adapter configuration panel (values provided for User1 &amp; User2) and attaching the BO to the ADB publication service resulted in the error: null password given; logon denied. This was a limiting factor due to which adapter publication could only be configured with tables residing in a maximum of two schemas i.e. User1 &amp; User2.</p> <p>This has been fixed. Adapter publication can now be configured with any number of tables residing in any number of schemas.</p>
5.3.0	1-3Z4MRP	<p>The Precommit Stored Procedure was not invoked if the value of sub-batch-commit-size was more than 1.</p> <p>This has been fixed.</p>

Closed in Release	Defect #	Summary
5.3.0	1-40DHS7	<p>The adapter failed to retrieve the correct value of <code>l_num_resp_id</code> and <code>l_num_resp_app1_id</code> when the Oracle Applications instance contained more than one record with the same Application name and Responsibility name.</p> <p>This has been fixed.</p>
5.3.0	1-4IF5AV	<p>For users migrating from adapter versions prior to 5.2.0, the PL/SQL scripts generated by adapter version 5.2.0 failed to deploy.</p> <p>This has been fixed.</p>
5.3.0	1-6MX53R	<p>With batch polling turned on, the adapter did not repoll for the alerter. Batch updates for parametrized subjects were enabled.</p> <p>This has been fixed.</p>
5.3.0	1-674UK9	<p>Global variables could not be specified for the adapter service names.</p> <p>This has been fixed.</p>
5.3.0	1-6SA6EH	<p>For the UpdateShippingAttributes API Subscription transaction, the detail records of "serial range" were not processed.</p> <p>This has been fixed.</p>
5.3.0	1-6SOJ0T	<p>The Open Item Non API transaction listed wrong values for concurrent program input parameters.</p> <p>This has been fixed.</p>
5.3.0	1-6T8F1R	<p>The adapter-generated PL/SQL script for Mass Addition Non-API subscription transaction failed to deploy.</p> <p>This has been fixed.</p>
5.2.1	1-458351	<p>When a service configured with views was deleted from an existing project, the associated child schemas and associations were not deleted. The run-time adapter, TIBCO Adapter for ActiveDatabase, threw the <code>NodeNotFoundException</code> exception.</p> <p>This has been fixed.</p>
5.2.1	1-4DFLC1	<p>On UNIX platforms, the adapter failed to start through TIBCO Administrator.</p> <p>This has been fixed.</p>

Closed in Release	Defect #	Summary
5.2.1	1-56CS7X	<p>When an Inbound (custom or predefined) Business Object was attached to a subscription service, the exception table schema was moved from the <code>/AESchema/ae/adorapps/OracleAppsBusinessObjectConfiguration/Classes</code> folder to the <code>/AESchema/ae/ADB/ActiveDatabaseAdapterConfiguration/Classes</code> folder.</p> <p>This has been fixed.</p>
5.2.1	1-5ZABNH	<p>The TIBCO Adapter for ActiveDatabase service was not deleted after a business object was assigned to it. It created another TIBCO Adapter for ActiveDatabase service with the same name.</p> <p>This issue has been fixed.</p>
5.2.1	1-3W0JD1	<p>When the adapter received a parent-child record with multiple children for update, it inserted an extra child row into the database.</p> <p>This issue has been fixed.</p>
5.2.1	1-3XHHW5 1-3YMEYL	<p>The adapter could not call an Oracle function with a CLOB input parameter larger than 32KB.</p> <p>This issue can be resolved by setting <code>adb.maxLongLen</code> to 1048576.</p>
5.2.0	1-1O1T8Z	<p>The adapter did not support End-to-End traceability, to uniquely identify the publishing source of a record.</p> <p>This issue has been fixed.</p>
5.2.0	1-114COM 1-1O1T9R 1-1TXTIW	<p>When publishing messages to the Subscriber, the concurrent program parameters could not be passed to the adapter at run-time. The values were statically coded in the TIBCO PL/SQL procedure and could not be passed dynamically.</p> <p>This issue has been fixed.</p>
5.2.0	1-114CPR	<p>The adapter reprocessed existing records in the Oracle Interface Tables that had failed validation. A Tibco Purge Option was not available to remove these records prior to subsequent execution.</p> <p>This issue has been fixed.</p>

Closed in Release	Defect #	Summary
5.2.0	1-11EGLX	<p>When a project with the same instance name and Oracle Applications Business Object was reconfigured, the adapter appended the existing SQL scripts without displaying any warning message.</p> <p>This issue has been fixed and a warning message is now displayed before appending or overwriting the existing SQL scripts.</p>
5.2.0	1-20KPUI	<p>While trying to deploy or run the adapter on a Unix platform, with only the run-time component installed, the following error occurred: 'fatal: libadbaltermg.so: open failed: No such file or directory'.</p> <p>This issue has been fixed.</p>
5.2.0	1-1263LD	<p>While running the adapter after a Predefined Subscription service was configured, the TIBCO Log table TIB_INT_LOG_SUB contained error codes like F1, F2, etc. in the Description column.</p> <p>This issue has been fixed. The error descriptions are more detailed in Oracle Applications 11.5.9.</p>
5.2.0	1-126T69	<p>The Materialized View Logs generated by the adapter were not dropped in the *_undo.sql script.</p> <p>This issue has been fixed.</p>
5.2.0	1-22T1C1	<p>Removal of the 'JoinTo' condition from the Child Table in Oracle Apps Business Object configuration created an invalid association in TIBCO Designer.</p> <p>This issue has been fixed.</p>
5.2.0	1-1AAA9Z	<p>The common_all.sql script present in &lt;adorapps_home&gt;/config/sub did not provide sufficient GRANT permissions to create triggers.</p> <p>This issue has been fixed.</p>
5.2.0	1-1B5EQE	<p>When the Predefined Outbound Business Object was dragged and dropped to configure the OnHand Qty Business Object for Oracle Applications 11.5.8, the following error occurred: 'AEADORAPPS-970090 The object INV.MTL_ONHAND_QUANTITIES does not exist in the database. Please create this object in the database and configure this Business Object again'.</p> <p>This issue has been fixed.</p>

Closed in Release	Defect #	Summary
5.2.0	1-1DDS2T	<p>While invoking custom methods in TIBCO HAWK, the following error occurred: 'Invocation Error'.</p> <p>This issue has been fixed.</p>
5.2.0	1-1DDS3S 1-1DNW9X	<p>For every message that was published by the adapter, the <code>getActivityStatistics()</code> method displayed 1 success and 1 failure in the TIBCO Hawk console.</p> <p>This issue has been fixed.</p>
5.2.0	1-1DJ9AT	<p>Cutting and pasting a service did not update sequence references correctly if the schema of the cut service was deleted.</p> <p>This issue has been fixed.</p>
5.2.0	1-1DNWAC	<p>After successful deployment of the adapter on the HP-UX platform the status continued to be 'Starting up' instead of 'Running'.</p> <p>This issue has been fixed.</p>
5.2.0	1-1FS5XW	<p>When common release versions of the TIBCO Adapter for Oracle Applications and TIBCO Adapter for ActiveDatabase were installed on the same machine, the schema generated for the Publication service had only two fields.</p> <p>This issue has been fixed.</p>
5.2.0	1-1J8D50 1-1KUQB9	<p>The SQL scripts containing sequence names of length greater than 30 characters could not be deployed.</p> <p>This issue has been fixed.</p>
5.2.0	1-1KUQAM 1-KUQAY	<p>The use of global variables for the fields APPS User Name, APPS User Password, Source Table User1 Name, Source Table User1 Password, Source Table User2 Name and Source Table User2 Password, present in the Configuration tab was not supported.</p> <p>This issue has been fixed.</p>
5.2.0	1-1MVPGF	<p>The table names found in the file <code>Sample.properties</code> in <code>&lt;adorapps_home&gt;/bin/dbtools</code> were misspelled.</p> <p>This issue has been fixed.</p>

Closed in Release	Defect #	Summary
5.2.0	1-1NVI3S	<p>The ECO API Subscription transaction returned status 'W' when creating a new revision. But this status was recorded as 'E' in the TIBCO Log table TIB_INT_LOG_SUB, by the adapter.</p> <p>This issue has been fixed.</p>
5.2.0	1-1NZXVX	<p>Deployment of SQL scripts of the Predefined Publication transaction 'Interaction Pub', was not successful.</p> <p>This issue has been fixed.</p>
5.2.0	1-1O7UZE	<p>The Error_Source column of the TIBCO Log table TIB_INT_LOG_SUB did not contain a NULL value for the successful execution of Predefined Subscription API transactions 'ApplicationSub', 'InteractionSub' and 'EmployeeSub'.</p> <p>This issue has been fixed.</p>
5.2.0	1-1OJ7GT	<p>Deployment of SQL scripts of the Normal Subscription transactions 'OpenResource' and 'OpenForecast' was not successful.</p> <p>This issue has been fixed.</p>
5.2.0	1-1R4KK1	<p>A leading dot was present in the error message <code>errorRole.CONFIG.AEADORAPPS-970192</code> in the <code>MessageCode.properties</code> file, as shown below:</p> <p>' . Make sure TIbase.jar is in your classpath'</p> <p>This issue has been fixed.</p>
5.2.0	1-1R4KK6	<p>A list of the available Predefined Oracle Inbound Business Objects is displayed while configuring a Business object, after dragging and dropping the Predefined Inbound Business Object icon to the design panel. One of the Business objects was listed as Auto Create Deltrip Interface.</p> <p>This issue has been fixed. The Business object has been renamed to Auto Create Deliveries Trip Interface.</p>
5.2.0	1-1SIAIW	<p>There was no rollback of data from the source tables when Oracle Predefined API transactions like BOM and ECO failed to execute.</p> <p>This issue has been fixed.</p>

Closed in Release	Defect #	Summary
5.2.0	1-1W0OTR	<p>The *_all.sql scripts generated for Predefined Subscription API transaction BOM, did not contain a semicolon at the end of the CREATE INDEX statement for the table TIB_INT_BOM_API_ITM_REV.</p> <p>This issue has been fixed.</p>
5.2.0	1-1WF5NA	<p>The *_undo.sql scripts attempted to drop indexes of previously dropped tables.</p> <p>This issue has been fixed.</p>
5.2.0	1-1XMH7A	<p>During the configuration of the Custom Outbound Business Object, no warning was displayed when values for fields marked as mandatory, were not provided.</p> <p>This issue has been fixed.</p>
5.2.0	1-1Y3EH5	<p>There were unused fields present in the Subscriber schema and TIBCO Intermediate tables. The unused fields were: TIBCO_UNIQUE_ID, TIBCO_ADB_SUBJECT, TIBCO_ADB_SEQUENCE, TIBCO_ADB_SET_SEQUENCE, TIBCO_ADB_TIMESTAMP, TIBCO_ADB_UPDATE_ALL and TIBCO_ADB_AGENT_ID. These fields have been removed.</p> <p>This issue has been fixed.</p>
5.2.0	1-1225AX6	<p>For the Predefined Inbound ECO Subscription transaction, the UNIQUE_ID field in the table TIB_INT_LOG_SUB was not populated with the TIBCO_KEY when the error 'Key Fields missing' was generated.</p> <p>This issue has been fixed.</p>
5.2.0	1-W8WTP	<p>The global variables present in the message subject of the TIBCO Log Table Publication service, were not substituted in the SQL scripts.</p> <p>This issue has been fixed.</p>
5.2.0	1-1KKY7F	<p>The auto generated trigger code that acts on the Materialized View logs would sometimes end up with an equality check of NULL = NULL while checking for an existing record in the Publishing table. This inserted duplicate records into the Publishing Table.</p> <p>This issue has been fixed.</p>

Closed in Release	Defect #	Summary
5.1.0	1-113G0P	<p>When you configure a Predefined Inbound Business Object in the adapter, close TIBCO Designer, open the project and associate the already configured Predefined Business Object with a Subscription service, the following errors were displayed:  <code>'java.lang.NullPointerException', 'Can't find AEADORAPPS-970076'</code> and <code>'Error Saving Scripts'</code>.</p> <p>This issue has been fixed.</p>
5.1.0	1-12LJXS	<p>When a Publication Service was configured for the Predefined Business Object ARCustomers, it gave the following error during validation: <code>'The following reference is no longer valid: /AESchemas/ae/adorapps/OracleAppsBusinessObjectConfiguration.aeschema#class.P_HZ_PARTIES'</code>.</p> <p>This issue has been fixed.</p>
5.1.0	1-41ORK	<p>The adapter stored the passwords as clear text in the project.</p> <p>This issue has been fixed.</p>
5.1.0	1-U2JSG	<p>When a DataDirect driver was used, the command for SELECT query on a table that had more than 255 columns failed.</p> <p>This issue has been fixed.</p>
5.1.0	1-SN0GF	<p>The adapter was not working without manually setting TIBCO_JAVA_HOME and TIBCO_TRA_HOME in the initial .tra file after installation. These env. variables should be set automatically during installation.</p> <p>This issue has been fixed.</p>
5.1.0	1-Y9TG0	<p>The <code>tibco.env.PATH</code> in <code>adbagent.tra</code> pointed to the wrong location of the ODBC driver. The path pointed to <code>&lt;TIBCO_HOME&gt;/adapter/adorapps/5.0/odbc/Drivers</code> while the driver exists under <code>&lt;TIBCO_HOME&gt;/adapter/adorapps/5.0/adb/odbc/Drivers</code>.</p> <p>This issue has been fixed.</p>
5.1.0	1-17PQ2Y	<p>When you selected the Runtime option during installation of adapter, the <code>adbagent.exe</code>, <code>adbagent.tra</code> and other executables would not install.</p> <p>This issue has been fixed.</p>



Closed in Release	Defect #	Summary
5.1.0	1-VEATH	<p>The adapter palette wrongly placed TIBCO Designer palettes under the <b>Palettes&gt;General</b> menu, but this should be placed under the <b>Palettes&gt;Adapter&gt;Oracle Applications Adapter</b> menu.</p> <p>This issue has been fixed.</p>
5.1.0	1-13QDZI	<p>The configuration of a TIBCO Adapter for ActiveDatabase service resulted in the generation of SQL scripts in the sql directory of the Oracle Applications adapter directory and not in the sql directory of TIBCO Adapter for ActiveDatabase.</p> <p>This issue has been fixed.</p>
5.0.1	1-ET8G9	<p>When a request to the Oracle Concurrent Manager was not successful, no status message was logged in the TIBCO Log table in case of Pre-defined Inbound Subscription transactions. This has been corrected.</p>
5.0.1	1-ET8GR	<p>In the case of Order Entry pre-defined inbound transaction, for a success record, two entries were getting logged in the TIBCO Log table. This has been corrected.</p>
5.0.1	1-GK59Q	<p>When using the Subscribe With Reply feature, the error messages were not getting populated into the CALLOUT_TEXT output parameter of the pre-commit stored procedure. This has been corrected.</p>

## Known Issues

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This section lists issues that are open in the named releases and provides workarounds where known. For additional Known Issues related to TIBCO ActiveMatrix Adapter for Database, refer Known Issues in *TIBCO ActiveMatrix Adapter for Database Release Notes*.

Defect #	Summary/Workaround
AORA-430	<p><b>Summary</b> The adbagent start fails on HP-UX 11i on Itanium with TRA 5.7.x infrastructure.</p> <p><b>Workaround</b> Manually add <code>TIBRV_HOME/8.3/lib/64</code> after <code>TIBRV_HOME/8.3/lib</code> in the <code>adbagent_env.(c)sh</code> and <code>adbagent.tra</code> files.</p>
AORA-429	<p><b>Summary</b> The adbagent start fails on AIX platforms with TRA 5.7.x infrastructure.</p> <p><b>Workaround</b> Prepend <code>\$RV_HOME/lib</code> before <code>LIBPATH</code> other directories in the <code>adbagent_env.sh</code> file.</p> <p>For AIX</p> <pre>if [ "\$LIBPATH" = "" ] then LIBPATH=/adapters/adora/tibco/tibrv/8.3/lib:/adapters/adora/tibco/adapter/adorapps/5.4/lib:/adapters/adora/tibco/adapter/adorapps/5.4/adb/odbc/lib:/adapters/adora/tibco/adapter/sdk/5.7/hotfix/lib:/adapters/adora/tibco/adapter/sdk/5.7/lib:/adapters/adora/tibco/tra/5.7/hotfix/lib:/adapters/adora/tibco/tra/5.7/lib:/adapters/adora/tibco/tpcl/5.7/lib:/usr/lib else LIBPATH=/adapters/adora/tibco/tibrv/8.3/lib:/adapters/adora/tibco/adapter/adorapps/5.4/lib:/adapters/adora/tibco/adapter/adorapps/5.4/adb/odbc/lib:/adapters/adora/tibco/adapter/sdk/5.7/hotfix/lib:/adapters/adora/tibco/adapter/sdk/5.7/lib:/adapters/adora/tibco/tra/5.7/hotfix/lib:/adapters/adora/tibco/tra/5.7/lib:/adapters/adora/tibco/tpcl/5.7/lib:/usr/lib:\$LIBPATH fi export LIBPATH</pre>
AORA-427	<p><b>Summary</b> The adapter fails to execute when using the OracleApplicationsInboundBusinessObject (For R12 Only) service to configure Auto Invoicing Concurrent Program which contains parentheses in parameters.</p> <p><b>Workaround</b> Use the PredefinedInboundBusinessObject service to configure Auto Invoicing Concurrent Program.</p>

Defect #	Summary/Workaround
1-19YVXS	<p><b>Summary</b> Latin-1 message encoding is not supported for the JMS and Rendezvous transports when configured to use the XML message wire format.</p> <p><b>Workaround</b> To use the XML message wire format, the default message encoding, Latin-1 (ISO8859-1) must be changed to UTF-8. Otherwise, use the Rendezvous transport configured with ActiveEnterprise message wire format. It supports both UTF-8 and Latin-1 message encodings.</p> <p>The message encoding property is set on the project itself at design-time, and when creating a TIBCO administration domain. The default for both is ISO8859-1.</p> <ul style="list-style-type: none"> <li>• To change the message encoding on the project, select the root folder and, under the Project Settings tab, change the value for the TIBCO Message Encoding field. This affects only projects used with Adapter Tester, BusinessWorks Tester and projects exported to local repositories.</li> <li>• To change the message encoding for the administration domain, edit the <code>repo.encoding</code> property in the administration server's <code>tibcoadmin&lt;domain-name&gt;.tra</code> configuration file, which is located in <code>&lt;install-path&gt;/tibco/administrator/n.n/bin</code>. This affects all projects managed by the administration server.</li> </ul>

