

# **TIBCO ActiveMatrix BusinessWorks™ Plug-in Development Kit Release Notes**

*Software Release 6.1.1  
February 2016*

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# TIBCO Documentation and Support Services

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Documentation for this and other TIBCO products is available on the TIBCO Documentation site. This site is updated more frequently than any documentation that might be included with the product. To ensure that you are accessing the latest available help topics, please visit:

<https://docs.tibco.com>

## Product-Specific Documentation

Documentation for TIBCO products is not bundled with the software. Instead, it is available on the TIBCO Documentation site. To directly access documentation for this product, double-click the following file:

`TIBCO_HOME/release_notes/TIB_bwpgk_version_docinfo.html`

where `TIBCO_HOME` is the top-level directory in which TIBCO products are installed. On Windows, the default `TIBCO_HOME` is `C:\Program Files\tibco`. On UNIX systems, the default `TIBCO_HOME` is `/opt/tibco`.

The following documents for this product can be found on the TIBCO Documentation site:

- *TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit Developer's Guide*
- *TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit Release Notes*

## How to Contact TIBCO Support

For comments or problems with this manual or the software it addresses, contact TIBCO Support:

- 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.

## How to Join TIBCOCommunity

TIBCOCommunity is an online destination for TIBCO customers, partners, and resident experts. It is 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 the following web address:

<https://www.tibcommunity.com>

## New Features

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The following new features have been added to version 6.1.1 of TIBCO ActiveMatrix BusinessWorks™ Plug-in Development Kit.

### **Support for Java Runtime Environment (JRE) 8**

TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit is compatible with JRE 8 environment.

## Changes in Functionality

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There are no changes in functionality in version 6.1.1 of TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit.

## Deprecated and Removed Features

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No features are deprecated or removed as of version 6.1.1 of TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit.

# Migration and Compatibility

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The following are instructions on how to migrate from a previous release to version 6.1.1 of TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit.

## **Migrating from Release 6.1.0**

You can import the projects generated in version 6.1.0 directly to version 6.1.1.

## **Migrating from Release 6.0.0**

You have to use TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit version 6.1.1 to edit and regenerate the projects generated by TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit version 6.0.0, and then run the new projects.

For migrated projects, TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit version 6.1.1 still uses genXDM to generate output.

See migration troubleshooting in *TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit Developer's Guide* for more details.



## Closed Issues

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There are no closed issues to report in version 6.1.1 of TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit.




## Known Issues

The table lists known issues in version 6.1.1 of TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit.

Key	Summary
BPDK-500	<p><b>Summary:</b> TIBCO Business Studio exits on the Red Hat Enterprise Linux 7.2 operating system when clicking <b>Click to perform</b> in the Cheat Sheets view to open the TIBCO ActiveMatrix BusinessWorks 6 API document.</p> <p><b>Workaround:</b> Open the <code>index.html</code> file that is located in the <code>TIBCO_HOME/bw/version_number/doc/html/javadoc/bw</code> directory.</p>
BPDK-499	<p><b>Summary:</b> TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit fails to generate the runtime output code when the XSD or WSDL schema in use contains imported external schemas.</p> <p><b>Workaround:</b> To resolve this problem, perform the following steps:</p> <ol style="list-style-type: none"> <li>1. Before generating the runtime output code, add the -  <code>Djavax.xml.accessExternalSchema=all</code> code into the  <code>TIBCOBusinessStudio.ini</code> file, which is located in the <code>TIBCO_HOME/studio/version_number/eclipse</code> directory.</li> <li>2. Save the file.</li> <li>3. Restart TIBCO Business Studio.</li> </ol>
BPDK-497	<p><b>Summary:</b> If an activity uses the XSD/WSDL or XSD editor schema type, and the XSD file of the activity contains the date, datetime or duration data type, an error occurs when deploying a generated EAR file.</p> <p><b>Workaround:</b> Find the <code>DatatypeFactory.newInstance()</code> method of the <code>evalOutput</code> method in the activity code, and then add the <code>ContextClassLoader</code> method as follows:</p> <pre>ClassLoader startingClassLoader = Thread.currentThread().getContextClassLoader(); Thread.currentThread().setContextClassLoader(activityname_ActivitytypeActivity.class.getClassLoader()); out_info.setBirthday(DatatypeFactory.newInstance().newXMLGregorianCalendar(new GregorianCalendar())); Thread.currentThread().setContextClassLoader(startingClassLoader);</pre>
BPDK-496	<p><b>Summary:</b> A SAXParse exception occurs when generating the palette on the Mac operating system.</p> <p><b>Workaround:</b> To resolve this problem, perform the following steps:</p> <ol style="list-style-type: none"> <li>1. From the menu, click <b>BusinessWorks &gt; Preferences</b>.</li> <li>2. In the Preferences window, click <b>Java &gt; Compiler</b> in the left panel.</li> <li>3. Click <b>Apply</b>, and then click <b>Yes</b> in the Compiler Settings Changed window. Click <b>OK</b>.</li> </ol>

Key	Summary
BPDK-495	<p><b>Summary:</b> A syntax error occurs after importing the GSON-Sample project and GSON-Sample application on the Mac operating system.</p> <p><b>Workaround:</b> To resolve this problem, perform the following steps:</p> <ol style="list-style-type: none"> <li>1. From the menu, click <b>BusinessWorks &gt; Preferences</b>.</li> <li>2. In the Preferences window, click <b>Java &gt; Compiler</b> in the left panel.</li> <li>3. Click <b>Apply</b>, and then click <b>Yes</b> in the Compiler Settings Changed window. Click <b>OK</b>.</li> </ol>
BPDK-486	<p><b>Summary:</b> The documentation template based on the activities that you have created is not displayed on the Linux operating system.</p> <p><b>Workaround:</b> The names of generated HTML files of activities have the structure of <i>PaletteName_ActivityName.html</i>. Open the generated documentation template, find the HTML files of activities, and change all the letters of the palette names to lowercase.</p>
BPDK-485	<p><b>Summary:</b> The group element is not supported in the fault schema at run time.</p> <p><b>Workaround:</b> None.</p>
BPDK-484	<p><b>Summary:</b> TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit fails to generate the runtime genXDM output code when the XSD schema in use contains genXDM online schema.</p> <p><b>Workaround:</b> None.</p>
BPDK-482	<p><b>Summary:</b> When using XSD editor to generate code on the Red Hat Enterprise Linux 7.0 operating system, buttons in the upper right of the panel are truncated.</p> <p><b>Workaround:</b> None.</p>
BPDK-481	<p><b>Summary:</b> When adding activity attributes in the BusinessWorks Plug-in Development Kit wizard on the Red Hat Enterprise Linux 7.0 operating system, if you move the mouse pointer to an attribute, the attribute is not displayed.</p> <p><b>Workaround:</b> Move the mouse pointer to any place other than the attribute.</p>
BPDK-474	<p><b>Summary:</b> After installing a generated plug-in, some irrelevant characters and numbers are displayed after the palette name in the <b>Details</b> area when reviewing the palette information.</p> <p><b>Workaround:</b> None.</p>
BPDK-460	<p><b>Summary:</b> When only installing runtime bundles with the <code>devkitpackager.jar</code> file, design bundles are also displayed in the installation directory.</p> <p><b>Workaround:</b> None.</p>

Key	Summary
BPDK-449	<p><b>Summary:</b> The bundle message <code>DEBUG_PLUGIN_ACTIVITY_METHOD_CALLED</code> is missing in the <code>Resources.properties</code> file after running the <code>RuntimeMessageBundle.DEBUG_PLUGIN_ACTIVITY_METHOD_CALLED</code> method when you migrate BusinessWork Plug-in Development Kit 6.0.0 based on TIBCO ActiveMatrix BusinessWorks 6.2.X to version 6.1.0 based on TIBCO ActiveMatrix BusinessWorks 6.3.0.</p> <p><b>Workaround:</b> Add the following code in the <code>Resources.properties</code> file, and save the file.</p> <pre>DEBUG_PLUGIN_ACTIVITY_METHOD_CALLED={0} called. Activity [{1}], Process [{2}], Deployment Unit [{3}:{4}]. DEBUG_PLUGIN_ACTIVITY_METHOD_CALLED.errorCode=200004 DEBUG_PLUGIN_ACTIVITY_METHOD_CALLED.resolution=This is a debug message of method called.</pre>
BPDK-430	<p><b>Summary:</b> When configuring a Java global instance shared resource, the required <b>Module Property</b> check box is not selected by default.</p> <p><b>Workaround:</b> None.</p>
BPDK-422	<p><b>Summary:</b> The import code is cleaned if the package name matches "<code>com.tibco.*</code>", "<code>org.eclipse.*</code>", "<code>java.util.*</code>", "<code>org.genxdm.*</code>", "<code>junit.framework.*</code>", and "<code>java.math.*</code>" when editing projects.</p> <p><b>Workaround:</b> None.</p>
BPDK-387	<p><b>Summary:</b> TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit fails to generate the runtime JAXB output code when the XSD schema in use contains the following data types:</p> <pre>list, mixed, NCName, language, QName, NMTOKENS, IDREF, IDREFS, ENTITIES, time, gDay, gMonth, gYear, gYearMonth, gMonthDay, and hexBinary.</pre> <p><b>Workaround:</b> None.</p>

Key	Summary
BPDK-305	<p><b>Summary:</b> After uninstalling TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit or a plug-in created by using the plug-in development kit, some bundle related JAR files are not removed from the <i>TIBCO_HOME/studio/version_number/eclipse/plugins</i> folder.</p> <p><b>Workaround:</b> To resolve this problem, perform the following steps:</p> <ol style="list-style-type: none"> <li>1. On the command line, switch to the directory where TIBCOBusinessStudio executable file is located. <ul style="list-style-type: none"> <li>•  Microsoft Windows: <i>TIBCO_HOME\studio\version_number\eclipse</i></li> <li>•  Linux: <i>TIBCO_HOME/studio/version_number/eclipse</i></li> <li>•  Mac OS: <i>TIBCO_HOME/studio/version_number/eclipse/TIBCOBusinessStudio.app/Contents/MacOS</i></li> </ul> </li> <li>2. Enter the following command: <pre>TIBCOBusinessStudio -application org.eclipse.equinox.p2.garbagecollector.application -profile TIBCOBusinessStudio-version_number</pre> </li> <li>3. Press Enter to delete the JAR files in the folder.</li> </ol>
BPDK-288	<p><b>Summary:</b> When using the installer generation wizard to generate an installer for a created BusinessWorks 6 plug-in, if the specified design, model, or runtime folder does not contain the required design, model, or runtime feature, no error message is displayed.</p> <p><b>Workaround:</b> None.</p>
BPDK-286	<p><b>Summary:</b> TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit fails to delete an activity, if the activity is the only activity for a created BusinessWorks 6 plug-in.</p> <p><b>Workaround:</b> Create a new activity first, and delete the old activity.</p>
BPDK-247	<p><b>Summary:</b> TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit fails to upload an XSD file, if the XSD file refers to another XSD file and the referred XSD file also refers to another XSD file by using the <code>import</code> element.</p> <p><b>Workaround:</b> None.</p>
BPDK-219	<p><b>Summary:</b> TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit fails to upload the XSD schema that contains an <code>include</code> element.</p> <p><b>Workaround:</b> None.</p>

Key	Summary
BPDK-162	<p><b>Summary:</b> TIBCO ActiveMatrix BusinessWorks Plug-in Development Kit fails to generate the runtime genXDM output and fault code when the XSD schema in use contains the following data types:</p> <p>NormalizedString, token, language, Name, QName, NCName, NMTOKEN, NMTOKENS, ID, IDREF, IDREFS, ENTITY, ENTITIES, unsignedByte, unsignedShort, unsignedInt, unsignedLong, positiveInteger, negativeInteger, NonPositiveInteger, NonnegativeInteger, time, duration, gDay, gMonth, gYear, gYearMonth, gMonthDay, hexBinary, and anyURI.</p> <p><b>Workaround:</b> None.</p>
BPDK-154	<p><b>Summary:</b> An error occurs when running a process that contains an activity, which uses an XSD file to generate input, output, and fault schema, and the values of the attributeFormDefault and elementFormDefault elements are set to qualified.</p> <p><b>Workaround:</b> Change the values of the attributeFormDefault and elementFormDefault elements to unqualified in the XSD schema.</p>