

# **TIBCO ActiveMatrix BusinessWorks<sup>™</sup> Plug-in for OpenSpirit<sup>®</sup>**

## **Release Notes**

*Software Release 2.0.0*

*August 2017*

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# Preface

TIBCO ActiveMatrix BusinessWorks™ Plug-in for OpenSpirit® is an add-on product for TIBCO ActiveMatrix BusinessWorks™. This product allows you to easily connect to geotechnical data stores (even those with proprietary binary files) and read and write data while honoring the coordinate reference systems of spatial data and units of scientific measurements.

The TIBCO ActiveMatrix BusinessWorks Plug-in for OpenSpirit is designated with U.S. Department of Commerce Export Control Classification Number: **EAR99**.

## Topics

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# 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>OSP_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:\Program Files\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:\Program Files\tibco.</p> <p>The TIBCO ActiveMatrix BusinessWorks™ Plug-in for OpenSpirit® requires that appropriate version of OpenSpirit® runtime be installed. On Linux, the <i>OSP_CONFIG</i> environment be set and points to a valid OpenSpirit® runtime installation.</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 admin.</li> <li>• In large code samples, to indicate the parts of the sample that are of particular interest.</li> </ul> <p>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]</p>

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: MyCommand <i>PathName</i></li> </ul>
Key combinations	<p>Key name separated by a plus sign indicate keys pressed simultaneously. For example: Ctrl+C.</p> <p>Key names separated by a comma and space indicate keys pressed one after the other. For example: Esc, Ctrl+Q.</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.

## Connecting with TIBCO Resources

### How to Join TIBCO Community

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

### How to Access All TIBCO Documentation

You can access the documentation for all supported product versions here:

<https://docs.tibco.com>.

## 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:  
<https://support.tibo.com>  
*select About Support > Getting Started*
- 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 <https://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.



- *v1.5.0 requires v4.1.0 OpenSpirit Runtime installation and TIBCO ActiveMatrix BusinessWorks v5.0.x. It is not compatible with TIBCO ActiveMatrix BusinessWorks v6.x.*
- *v2.0.0 requires v4.2.0 OpenSpirit Runtime installation and TIBCO ActiveMatrix BusinessWorks v6.4.0 or higher.*

## Topics

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[New Features](#)

[Changes in Functionality](#)

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[Closed Issues](#)

[Known Issues](#)



# New Features

This section describes the features we have added since the last release of the TIBCO ActiveMatrix BusinessWorks™ Plug-in for OpenSpirit®.

## Release 2.0.0

- This version of the Plug-in has been upgraded to work with TIBCO ActiveMatrix BusinessWorks v6.4.0 or higher.
- A set of XPath (user defined) functions are provided to perform unit conversion, coordinate conversion, string substitution, and retrieving various components of a coordinate system.

# Changes in Functionality

This section describes the changes in functionality since the last release of the plug-in.

## Release 2.0.0

- Added optional “Id” string the input and output of each element in the CoordinateSystemConversion, UnitConversion, and MultipleUnitConversion activities.
- When an activity outputs a geometry object, only the coordinate system key and name are returned. However, XPath functions are provided to retrieve other components of the coordinate system given the coordinate system key, if needed.
- Added additional outputs to the Coordinate System activity: referenced geometry coordinate system, datum name and datum EPSG code.

# Deprecated Features

This section describes the deprecated features and their equivalents that accomplish the same result, if relevant. You should stop using deprecated features because they might be removed in a future release. Also, do not depend on deprecated features and become familiar with their equivalents instead.

## Release 2.0.0

- Tiling is no longer supported in the following image reader activities: Seismic 2d Reader, Seismic 3d Reader, and Horizon Grid Reader.

# Migration and Compatibility

This section contains guidelines for migrating data to the latest release of the Plug-in and describes the Plug-in's compatibility with other TIBCO products.

## Release 2.0.0

### Migration

All processes built with TIBCO ActiveMatrix BusinessWorks v5.x and TIBCO ActiveMatrix BusinessWorks Plug-in for OpenSpirit have to be migrated. For more information on migration options, please go to <https://docs.tibco.com>, TIBCO ActiveMatrix BusinessWorks v6.4.0, Migration Scenario.

### Compatibility

The ActiveMatrix BusinessWorks Plug-in for OpenSpirit requires the following products to be previously installed:

- TIBCO ActiveMatrix BusinessWorks 6.4.x
- TIBCO OpenSpirit Runtime 4.2.0

# Closed Issues

This is a new major release, therefore there are no closed issues to report.

# Known Issues

The table in this section lists known issues in this release.

Issue #	Summary/Workaround
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