

TIBCO OpenSpirit[®] Data Connector for GeoFrame

Release Notes

Software Release 2.0.1

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Preface

TIBCO OpenSpirit Data Connectors provides the ability for applications to connect to diverse data store through a consistent programming interface. Applications may connect and use the OpenSpirit common data model and then be shielded from having to understand the differences between different vendors' data models and storage formats. Alternatively, for most data connectors, an application may choose to connect and access data through the full underlying native data model - still using a consistent programming interface.

Version 2.0.1 of the Data Connector for GeoFrame is included with the TIBCO OpenSpirit Runtime 4.2.0 release. Therefore, when the Runtime 4.2.0 product is installed the Data Connector for GeoFrame 2.0.1 is automatically available.

The TIBCO OpenSpirit Data Connector for GeoFrame version 2.0.1 is designated with U.S. Department of Commerce Export Control Classification Number **EAR99**.

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>	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. 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. TIBCO < <i>ProductName</i> > installs into a directory referenced in documentation as <i>OSP_HOME</i>. The default value of <i>OSP_HOME</i> depends on the operating system. For example on Windows systems, the default value is C:\Program Files\OpenSpirit.
code font	Code font identifies commands, code examples, filenames, pathnames, and output displayed in a command window. For example: Use MyCommand to start the foo process.
bold code font	Bold code font is used in the following ways: • In procedures, to indicate what a user types. For example: Type admin. • In large code samples, to indicate the parts of the sample that are of particular interest. • In command syntax, to indicate the default parameter for a command. For example, if no parameter is specified, MyCommand is enabled: MyCommand [enable disable]

italic font

Italic font is used in the following ways:

- To indicate a document title. For example: See *TIBCO ActiveMatrix BusinessWorks Concepts*.
- To introduce new terms. For example: A portal page may contain several portlets. *Portlets* are mini-applications that run in a portal.
- To indicate a variable in a command or code syntax that you must replace. For example: *MyCommand PathName*

Key combinations

Key name separated by a plus sign indicate keys pressed simultaneously. For example: *Ctrl+C*.

Key names separated by a comma and space indicate keys pressed one after the other. For example: *Esc, Ctrl+Q*.



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 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:

<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:
<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.

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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.

Topics

[New Features](#)

[Changes in Functionality](#)

[Deprecated and Removed Features](#)

[Migration and Compatibility](#)

[Closed Issues](#)

[Known Issues](#)

New Features

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

Release 2.0.1

There are no new features in this release.

Release 2.0.0

This release was included in the TIBCO OpenSpirit Runtime 4.1.0 release. Please refer to the Release Notes for that release for further details.

Changes in Functionality

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

Release 2.0.1

There are no changes in functionality in this release.

Release 2.0.0

This release was included in the TIBCO OpenSpirit Runtime 4.1.0 release. Please refer to the Release Notes for that release for further details.

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).

Release 2.0.1

There are no deprecated and/or removed features this release.

Release 2.0.0

This release was included in the TIBCO OpenSpirit Runtime 4.1.0 release. Please refer to the Release Notes for that release for further details.

Migration and Compatibility

This section explains how to migrate from a previous release to this release and version compatibility.

Release 2.0.1

Migration

The OpenSpirit Data Connector for GeoFrame 2.0.1 is a full-installation of the data connector, decoupled from the OpenSpirit Runtime release.

See the Installation Guide for further details.

This version is included with the TIBCO OpenSpirit Runtime 4.2.0 release.

Compatibility

The OpenSpirit Data Connector for GeoFrame requires the following TIBCO OpenSpirit products to be previously installed and available:

- TIBCO OpenSpirit Runtime 4.2.0
- GeoFrame (see Certified Data Stores below)

Certified Data Stores

- GeoFrame, IESX and Charisma 4.4 running on Linux RHEL Server release 5 using Oracle 10.2.0.3
- GeoFrame, IESX and Charisma 4.5 running on Linux RHEL Server release 5 using Oracle 10.2.0.3
- GeoFrame 2012 running on Linux RHEL Server release 5 using Oracle 11.2

Estimated hardware requirements

- See the TIBCO OpenSpirit Runtime 4.2.0 Release Notes.

Estimated disk requirements

- Binary installation 55 MB

Certified Operating Systems

- See the TIBCO OpenSpirit Runtime 4.2.0 Release Notes.

Release 2.0.0

This release was included in the TIBCO OpenSpirit Runtime 4.1.0 release. Please refer to the Release Notes for that release for further details.

Closed Issues

The table in this section list issues that were closed in the named releases.

Closed in Release	CR #	Summary
2.0.1	28373	Fixed problem where we treating an empty string EpiWell_WellPick's ConfidenceFactor as UNKNOWN, instead of treating is as a null value. Originally released as GeoFrame_DC_v200_HF01.
2.0.1	32125	Fixed problem saving Charisma 2D/3D seismic datasets when SampleKind attribute is supplied with value not recognized in property catalog.
2.0.1	34094	For GeoFrame (Charisma) projects, the DataSelector "2D Horizon - Line List" and "2D Horizon Property - Line List" tabs now displays the 2D Line Name. Originally released as GeoFrame_DC_v200_HF01.
2.0.1	34246	For GeoFrame (Charisma) projects, the DataSelector "Fault Segment Details" tab now display the LineGeometry2dName (for 2d faults) and SeismicGeometry3dName (for 3d faults). Originally released as GeoFrame_DC_v200_HF01.
2.0.1	34417	Fixed updating Comment attribute on HorizonGrid1dSet table. Originally released as GeoFrame_DC_v200_HF01.
2.0.1	34419	Fixed updating Comment attribute on HorizonGrid2dProperty table. Originally released as GeoFrame_DC_v200_HF01.
2.0.1	34446	Last slice of a 3D volume shows up null in the 3D Viewer. It should have data. Originally released as GeoFrame_DC_v200_HF01.
2.0.1	34482	Fix IESX server crash when trying to read corrupt 3D volumes. Originally released as GeoFrame_DC_v200_HF01.
2.0.1	34613	Corrected copy workflow issue when copying 3D seismic horizons multiple times where horizon property names were the same, but the domain differed. Originally released as GeoFrame_DC_v200_HF01.
2.0.1	34764	The GeoFrame data connector was sending incorrect Z data for some 3D seismic horizons. Originally released as Runtime v4.0.3 HF12 and released with GeoFrame_DC_v200_HF01 (against Runtime v4.1.0)
2.0.1	34769	Fixed problem where the seismic horizon 3D property names/keys could get out of sync.
2.0.1	34804	Fixed GeoFrame/IESX DC bug that sometimes resulted in the same Z plane being displayed when viewing a SLICE volume in the 3dViewer and roaming the Z slider by a single increment. Originally released as GeoFrame_DC_v200_HF01.

Closed in Release	CR #	Summary
2.0.1	35167	Fixed a problem retrieving 2D lines which had an invalid trace range. When determining number of traces on a 2D line, ignore translation table trace counts greater than 250000 (if neither trace table has valid data, we use the number of XY navigation points). Originally released as GeoFrame_DC_v200_HF01.
2.0.1	35275	Fixed problem storing grid min/max values on HorizonGrid2dProperty delivered from TOAP.
2.0.1	35300	Improved logic for setting HorizonGrid1dSetProperty MinValue and MaxValue attributes.
2.0.1	35616	Fixed a problem retrieving 2D lines that had an invalid trace range. When determining number of traces on a 2D line, ignore translation table trace counts greater than 250000 (if neither trace table has valid data, we use the number of XY navigation points). Originally released as GeoFrame_DC_v200_HF02.
2.0.1	35747	Fixed a problem retrieving 2D lines that had invalid trace ranges on both CDP and SP translation tables. If the 2D line has any seismic classes, take the maximum trace range. Otherwise, use SP and navigation tables to determine trace count. If that is not possible, default to number of navigation data points. Originally released as GeoFrame_DC_v200_HF03.

Known Issues

The following are the most significant issues known at the time of the release

Key	Summary/Workaround
22036	If 2D horizon XY positions are returned with significant distance away from the 2D line XY positions, this problem can be resolved by changing the tolerance number in the IESX data manager under the map menu item Edit 2D location. The smaller the tolerance number the closer the horizon data XY approximation, but at the cost of poorer performance.
33432	Copy Manager cannot copy interpretation data (e.g. horizons and faults) to a GeoFrame (Charisma) project that has surface units of "0.1(ft)".
35647	GeoFrame will allow saving WellBore.CalcMethod (WellBore.Definitive_Survey.TVD_Computation_Method) as any string, not just the strings listed as "Allowable Values". If OpenSpirit encounters a value that is not in the "Allowable Values" list, it will return the string as-is without mapping it to an OpenSpirit allowed value.