

# TIBCO OpenSpirit<sup>®</sup> Scan Utility

## Release Notes

*Software Release 2016.0.0*

*May 2016*

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# Preface

The next generation of the TIBCO OpenSpirit Scan Utility allows users to scan all or selected projects in an OpenSpirit-enabled data store to create GIS spatial information to represent well, seismic and interpretation data and output spatial features as Esri Shape files, File Geodatabase and as layers in Esri ArcSDE.




The TIBCO OpenSpirit Scan Utility version 2016.0.0 is designated with U.S. Department of Commerce Export Control Classification Number **5D992**.

## Typographical Conventions

The following typographical conventions are used in this manual.

Table 1 General Typographical Conventions

Convention	Use
<i>TIBCO_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.
<i>ENV_HOME</i>	
<i>OSP_HOME</i>	
	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.

<b>bold code font</b>	<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>
<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: <i>Ctrl+C</i>.</p> <p>Key names separated by a comma and space indicate keys pressed one after the other. For example: <i>Esc, Ctrl+Q</i>.</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 TIBCOmmunity

*TIBCOmmunity* is an online destination for TIBCO customers, partners, and resident experts, a place to share and access the collective experience of the TIBCO community. *TIBCOmmunity* 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 *TIBCOmmunity*, 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 <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

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- [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 2016.0.0

Following are the new features in this release:

- Option to output thumbnail images for 3d seismic horizons, non-seismic grids, and 3d seismic time/depth slices with predefined or user-defined color scales.
- Email notification upon job completion when using with OpenSpirit Runtime v4.2.0. The notification email will contain the status and summary output of the job. Please refer to the OpenSpirit Runtime User Guide on how to setup email notification.
- Default model view used in Scan Utility v2013.0.0 is available for users wanting to continue to scan to existing scansets.
- Ability to set a measure, such as SP, CDP, on the spatial attribute for 2d live trace coverage.
- User control of the number of precision digits for attributes of type float or FloatQuantity by adding the *SignificantDigits* property for the FLOAT attribute in their custom model view. The value should be the number of digits you want for the FLOAT column.
- Multi-part name to identify the entities in the Scan output. For example, for 2d live-trace coverage, the 2d survey, 2d line name, in addition to the 2d dataset name will be shown.
- Option to output the XY array index as the measure by setting the *UseArrayIndexForM* property to *true*; on the XY spatial attribute in the Scan model view.
- New Scan output to Enterprise Search index.



# Changes in Functionality

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

## Release 2016.0.0

The following are changes in functionality in this release.

- Optimized the 3d live-trace generation algorithm for volumes with sparse data. Another option is to set an inline/xline depopulation factor on the Scan job.
- For 3d seismic live trace coverage, users can select brick, trace, and/or slice volumes.
- The default output schema (model view) for 3d seismic horizons, non-seismic grids, and 3d live trace coverage has changed if user selects the option to generate thumbnail images. Users would need to use the Scan 2013 model view if wanting to scan to existing scan feature datasets.

# 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 2016.0.0

There are no deprecated or removed features in this release.

# Migration and Compatibility

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

## Release 2016.0.0

### Migration

There are no migration procedures issues in the release; the previous version of the Scan Utility must be uninstalled prior to the new installation of Release 2016.0.0. See the *Installation Guide* for more details.

### Compatibility

The OpenSpirit Scan Utility requires either of the following products to be previously installed and available:

- TIBCO OpenSpirit Runtime 4.1.0 – Master and/or Satellite(s)
- TIBCO OpenSpirit Runtime 4.2.0 – Master and/or Satellite(s)

The OpenSpirit Scan Utility is compatible with the following Esri products:

- Esri ArcGIS Desktop
  - v10.1
  - v10.2
  - v10.3
- Esri ArcSDE (Oracle & SQL Server)
  - v10.1
  - v10.2
  - v10.3
- Databases
  - MS SQL Server 2008 R2
  - Oracle 10g 10.2.x
  - Oracle 11g 11.1.x

### Certified Operating Systems

- Linux
  - Red Hat Enterprise Linux Server release 5.0
  - Red Hat Enterprise Linux Server release 6.0
- Windows
  - Windows Vista (64 bit)
  - Windows 7 (64 bit)

# Closed Issues

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

Closed in Release	Key	Summary
2016.0.0	OSPSU-60 CR 33049	Alarming error in log file when scanning to a new Shapefile.
2016.0.0	OSPSU-83 CR 34945	Cannot create any scan output if in the Scan model view, an entity with the "HideDataType" property was set to "true."
2016.0.0	OSPSU-87 CR 35011	Be able to create Scan model view against native data models.
2016.0.0	OSPSU-90 CR 35193	If a 3d volume has only 1 inline/xline of data, Scan will reject it. The fix is to add a small padding to generate a polygon.
2016.0.0	OSPSU-92 CR 35234	Having BULK_DATA attribute selected for 2d dataset in the model view seems to be causing problem.
2016.0.0	OSPSU-93 CR 35253	Messages logged from a custom output plug-in do not appear in the diagnostic log.
2016.0.0	OSPSU-94 CR 35280	Scan API needs a way to save a job without running it and a way to run a previously created job.
2016.0.0	OSPSU-102 CR 35527	Like to preserve the order of the scan based on order of the entities added to the group in the model view.
2016.0.0	OSPSU-202 CR 36308	Optimized performance for outputting to Shapefile with the Scan option of "Add new and update existing."
2016.0.0	OSPSU-234 CR 36400	Optimized memory usage when scanning to SDE with option of "Add new and update existing."
2016.0.0	OSPSU-204 CR 36314	Optimized memory usage when scanning to File Geodatabase with option of "Add new and update existing."
2016.0.0	OSPSU-153 CR 36161	Reopening a Scan job with advanced scanning will lose the advanced data selections.
2016.0.0	OSPSU-145 CR 36136	Would be nice to show the version number next to the model view name.
2016.0.0	OSPSU-144 CR 36134	When cloning an existing Scan job, it did not preserve the selected data types in the source.
2016.0.0	OSPSU-143 CR 36133	Scan Utility installer was creating an empty %OSP_HOME%\classes folder.
2016.0.0	OSPSU-66 CR 33673	Cancel does not work for Scan.
2011.1.0	OSPSU-64 CR 33258	The shotpoint (first/last) columns created as NUMBER(10,5) in SDE cannot hold shotpoint above 100,000.

Closed in Release	Key	Summary
2016.0.0	OSPSU-99 CR 35404	Should only show the datasources that can serve up the data model in the selected Scan model view.

# Known Issues

The following are the most significant issues known at the time of the release of Scan Utility 2016.

Key	Summary/Workaround
OSPSU-34 CR 30542	Per ESRI Case #01759876, Scan Utility cannot register the feature classes with the feature dataset through the ArcSDE SDK devkit. <b>Workaround:</b> Use ArcPy or use ArcGIS Desktop.
OSPSU-137	Cannot use attribute that is not checked for display in the Scan model view in the query filter. Because it is not available in the model view, there's no mapping between the display name and the actual attribute name, but the queryCondition in the Scan job only shows the display name. Thus, when the job is run, it couldn't find that attribute. <b>Workaround:</b> The workaround is to create a custom model view and turn that attribute on so it will show up in the list to be used for query filter.
OSPSU-159 CR 36183	Cannot use direct connect to connect to SDE with Oracle12c using the currently bundled direct connect libraries. Please contact TIBCO OpenSpirit support for a patch.
OSPSU-161 CR 36194	Cannot output to File Geodatabase and SDE using direct connect in the same Scan job. <b>Workaround:</b> Setup 2 separate Scan jobs.
OSPSU-224 CR 36368	Once a new Scan job was created with File Geodatabase for output, user will have to start up a new OpenSpirit Desktop if they want to create Scan jobs with direct connect to SDE for output.