

TIBCO OpenSpirit[®] Data Connector for Studio

Installation & Configuration Guide

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Table of Contents

Table of Contents	i
OpenSpirit Concepts.....	3
OpenSpirit Runtime.....	3
Application Adapter	3
Data Connector	4
OpenSpirit Tools.....	4
Starting the Install Config Manager.....	5
Install Config Manager Tool Bar.....	7
Refresh Button.....	7
Save Button	7
Create Master Button.....	7
Create Satellite Button	8
Open Button	8
Export Metadata Button.....	8
Import Metadata Button	8
Unregister Satellite Button	9
Import Data Connector Button.....	9
Enable Data Connector Button.....	9
Disable Data Connector Button.....	9
Install Data Connector Button.....	9
Extract Data Connector Button	9
Help Button.....	10
Master Data Connector Management	11
Data Connector Overview.....	11
Data Connectors Tab	11
Importing Data Connectors	12
Installing Data Connectors	13
Disabling Data Connectors.....	13
Extracting Data Connectors.....	14
Configuring Studio Data Sources	15
Studio 2015	15

Studio 2016	19
Studio 2017	23

OpenSpirit Concepts

OpenSpirit is a framework that provides multi-vendor application and data interoperability that is targeted at the upstream oil and gas business. OpenSpirit removes technology barriers that, prior to OpenSpirit, prevented applications from working directly with data residing in competing application data stores or in incompatible computing platforms.

OpenSpirit also provides an event bus that enables applications from different software vendors to cooperate in work flows as if they were produced by a common software vendor.

The following sections of this guide describe concepts that are important to understand before planning the installation of your OpenSpirit environment.

OpenSpirit Runtime

The OpenSpirit runtime is the software infrastructure and services needed to connect applications to data and to other applications. The OpenSpirit runtime is typically installed on all computers in your enterprise that are used to run applications that connect to the OpenSpirit runtime and on computers hosting data stores that feed the applications with data. Typical network configurations of the OpenSpirit runtime are illustrated in the next section of this installation guide titled OpenSpirit Runtime Configurations. Additional OpenSpirit concepts are introduced in the configuration section.

Application Adapter

A software component that connects a software application to the OpenSpirit runtime is called an application adapter. Applications that have an OpenSpirit application adapter are called an OpenSpirit enabled application.

Application adapters are typically created by the same company that creates the software application. However, some applications provide mechanisms to enable customers and other companies to plug additional capabilities into their application.



The *TIBCO OpenSpirit© Adapter for Petrel* and the *TIBCO OpenSpirit© ArcGIS Extension* are examples of application adapters that were not developed by the same company that created the application. They were developed by TIBCO Software, Inc.

Application adapters can connect to the OpenSpirit runtime in a variety of ways. They can connect to read data and/or write data that resides in a data store that has OpenSpirit data connector support. Application adapters can also interact with other OpenSpirit enabled applications using various application interaction events such as data selection, cursor tracking, and GIS spatial feature events.

Application adapters typically check out a Universal Application Adapter (UAA) license when they connect to the OpenSpirit runtime. UAA licenses are checked out per-concurrent user for a given application type. Application adapters may also require a license from the

software company that developed and sells the application adapter. Check with your application adapter supplier regarding the license requirements of a particular adapter.

Information about application adapters that are available from OpenSpirit business partners can be found in the OpenSpirit section of the TIBCO web site.

Data Connector

A software component that publishes a data store to the OpenSpirit runtime is called a data connector. Publishing a data store to the OpenSpirit runtime makes its data available to OpenSpirit enabled applications. Applications can query, create, modify, and delete data residing in the data store.

Currently all OpenSpirit data connectors are developed by TIBCO. OpenSpirit data connectors are licensed by data store type on a per-concurrent user basis. See the Data Source Configuration Tool section of the OpenSpirit Desktop help document for information about the data stores that are supported by OpenSpirit data connectors.

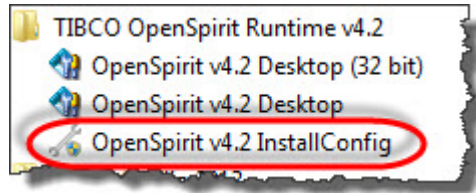
OpenSpirit Tools

OpenSpirit tools are software components included in the OpenSpirit runtime. There are also some optional OpenSpirit tools that are purchased separately and installed into the OpenSpirit runtime. The OpenSpirit tools are accessed from the OpenSpirit Desktop and are organized into three categories; administrator tools, data manager tools, and tools used in a variety of work flows that have been grouped into a category called data browsing tools. Refer to the OpenSpirit Desktop help guide for a list of the available OpenSpirit tools.

The next section of this guide introduces additional OpenSpirit concepts that are fundamental to how OpenSpirit software is installed and configured.

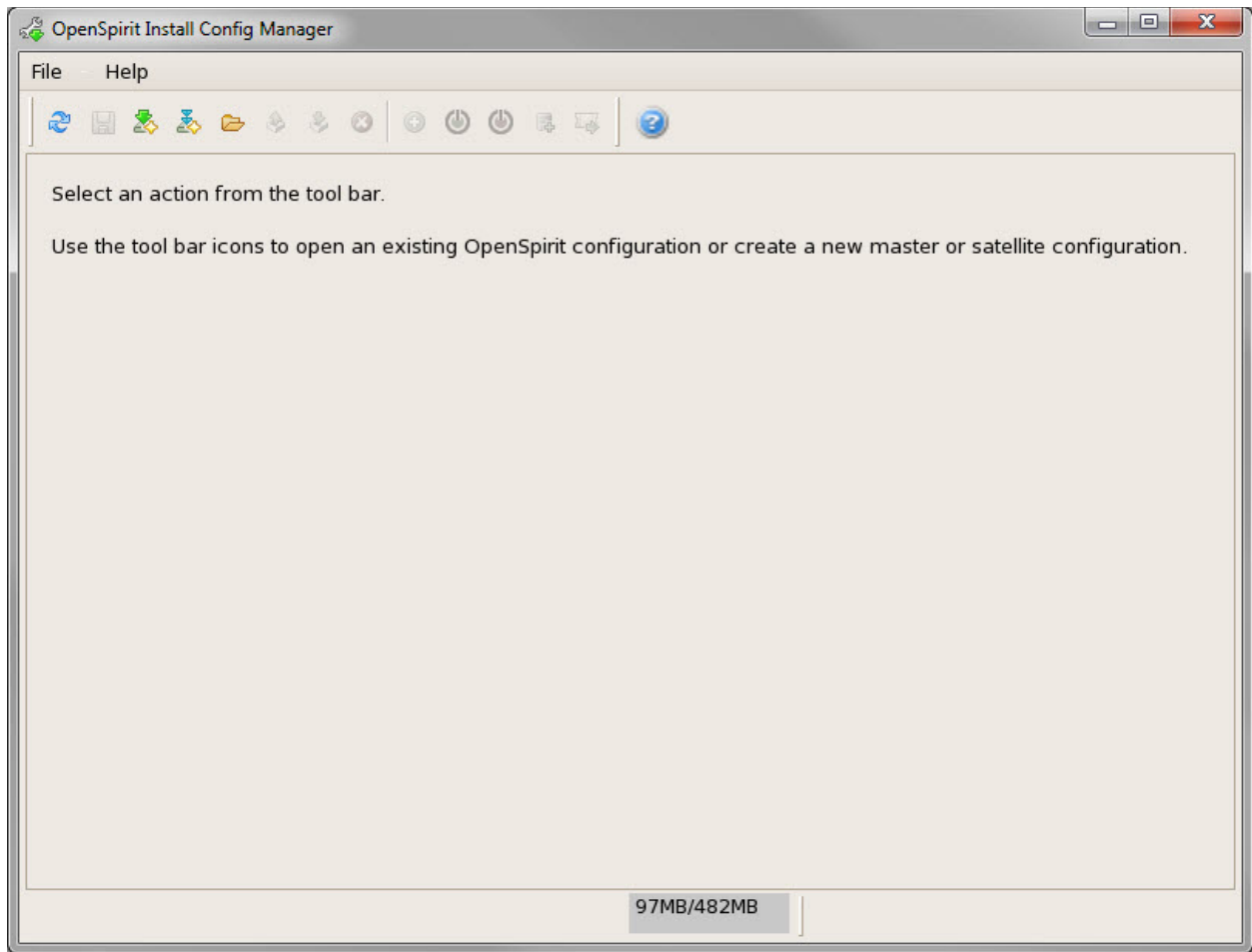
Starting the Install Config Manager

The Install Config Manager tool is automatically started at the end of an OpenSpirit software installation. It can also be started any time from a completed OpenSpirit software installation. The Install Config Manager is started on Linux by running the *installconfig* script found in the *bin* directory of the OpenSpirit software installation. The Install Config Manager is started on Windows by selecting the Install Config option created in the Windows start menu.



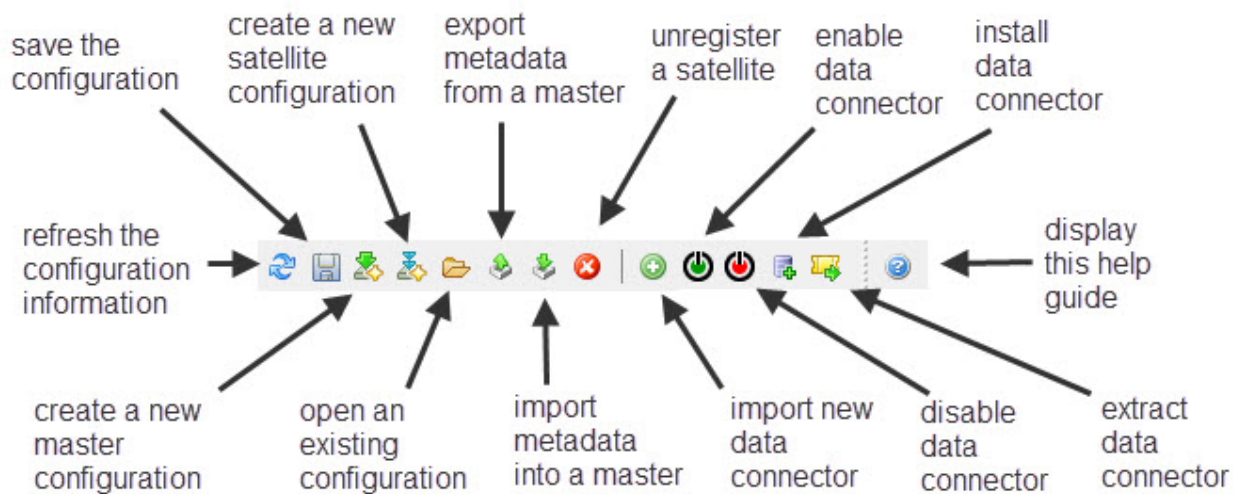
The User Account Control Settings of your Windows account may require you to run the Install Config Manager as administrator in order for it to have permissions to create and write to the files in the config directory. Right click on the Install Config Manager's Start Menu entry and choose the *Run as administrator* option.

The Install Config Manager has an appearance that is quite similar to the OpenSpirit Desktop. It provides a tool bar that contains icons for each action that can be performed. Three actions can be performed when the Install Config Manager is started. You can create a new master configuration, create a new satellite configuration, or open a previously created master or satellite configuration. The following sections of this guide describe these actions in detail.




Install Config Manager Tool Bar


The Install Config Manager tool bar contains buttons used to create and manage OpenSpirit master and satellite configurations, and tools to manage data connectors. These actions are described below.




Refresh Button

The refresh tool bar button  will refresh the currently open master or satellite configuration by re-reading the information from the configuration's *config.properties* file and from the metadata repository if it is a master installation. Any unsaved changes will be lost when a refresh is performed.


Save Button

The save tool bar button  will save a new configuration that is being created or it will save changes to an existing configuration that has been modified. The save button is not enabled until all required information has been entered when creating a new configuration and it is not enabled when no changes have been made to an existing configuration that has been opened.


Create Master Button

The create master button  will open a new master configuration form. The Configuring a Master Installation section of this guide describes the master configuration form.

Create Satellite Button

The create satellite button  will open a new satellite configuration form. The Configuring a Satellite Installation section of this guide describes the satellite configuration form.

Open Button

The open button  behaves differently on Windows than it does on Linux and Solaris. A config directory selection window appears when the open button is pressed and Install Config Manager is running on Linux or Solaris. Use the selection window to select an existing master or satellite config directory. A master or satellite configuration form will open to display the selected configuration. The forms are described in the Configuring a Master Installation and Configuring a Satellite Installation section of this guide.

The config folder is in a fixed location on Windows, so pressing the open button will either open the existing config folder, or it will display an error informing you that a configuration does not exist. The config folder location on Windows is


`%ProgramData%\OpenSpirit\v#.#`

where the "#.#" component of the folder path is the major and minor version number of the OpenSpirit Runtime you are using.




Individual users can manually create a config folder in `%LocalAppData%\OpenSpirit\v#.#` which will override the configuration under `%ProgramData%.`


Export Metadata Button

The export button  is enabled when a master configuration has been opened. This button is used to export some of the information that is stored in the master installation's metadata repository. The Exporting Metadata section of this guide describes metadata export.


Import Metadata Button

The import button  is enabled when a master configuration has been opened and *the Shared Services are not running*. This button is used to import information from another master installation into the currently opened master installation's metadata repository. The Importing Metadata section of this guide describes metadata import.


Unregister Satellite Button

The unregister satellite button  is used to remove satellite installations that have been registered with a master. The Satellite Management section of this guide explains registering and unregistering satellites.


Import Data Connector Button

The import data connector button  is used to import new versions of a data connector or to import entirely new data connectors into the currently opened master installation's metadata repository. The Importing Data Connectors section of this guide describes data connector importing.


Enable Data Connector Button

The enable data connector button  is used to re-enable a previously disabled data connector. The Disabling Data Connectors section of this guide describes data connector enabling and disabling.


Disable Data Connector Button

The disable data connector button  is used to disable a data connector. The Disabling Data Connectors section of this guide describes data connector enabling and disabling.


Install Data Connector Button

The install data connector button  is used to extract the binary executable files of a data connector from the metadata repository and install the files into the OpenSpirit installation that the Install Config Manager tool is being run from. The Installing Data Connectors section of this guide describes data connector installation.

Extract Data Connector Button

The extract data connector button  is used to extract the binary executable files of a data connector from the metadata repository and put them in a ZIP file that can then be used to install the data connector binaries manually. The Extracting Data Connectors section of this guide describes data connector extraction.

Help Button

The help button  is used to open this help guide.

Master Data Connector Management

The **Data Connectors tab** is used to manage the OpenSpirit data connectors available in your master installation.

Data Connector Overview

Data connectors are software components that publish a data store to the OpenSpirit runtime. Publishing a data store to the OpenSpirit runtime makes its data available to OpenSpirit enabled applications. Applications can query, create, modify, and delete data residing in the data store.

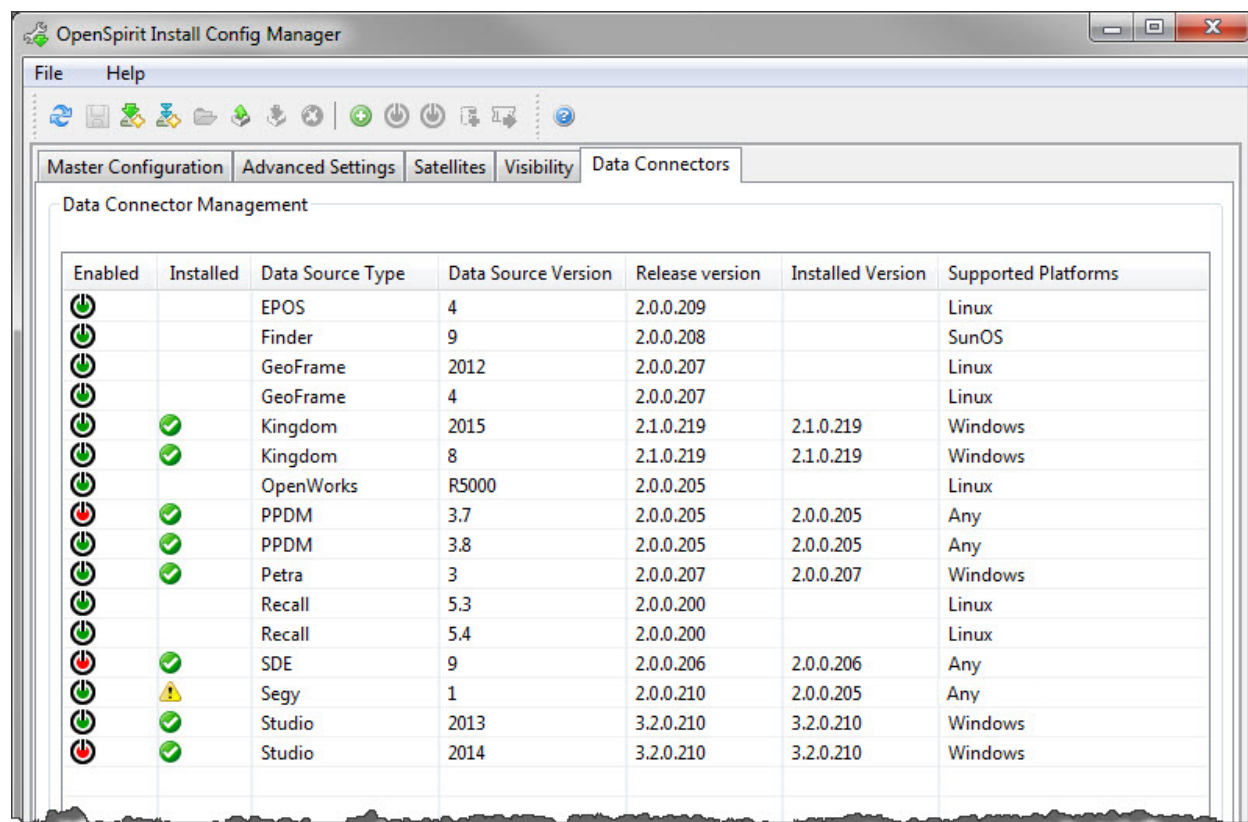
A data connector has a data source type, a data source version and a release version. The data source type indicates the type of data store the data connector can publish (e.g. OpenWorks, GeoFrame, PPDm, etc.). The data source version indicates the version of data store the data connector can publish. The release version is product version number of the OpenSpirit data connector product.

Data connectors are composed of metadata, such as data model information, unit catalogs, reference value mappings, and other information needed to publish a data store to the OpenSpirit framework. Data connectors also contain binary executable files for each operating system platform that data connector processes can be run on. The metadata and binary executable files are stored in the OpenSpirit metadata repository in the OpenSpirit master installation. The binary files must also be installed into each OpenSpirit master installation and satellite installation that will be used to run data connector processes.

The OpenSpirit Runtime is pre-populated with current versions of all OpenSpirit data connectors that are available at the time of the OpenSpirit Runtime product release. New data connectors and updates to existing data connectors may be released after an OpenSpirit Runtime is released. The new data connector releases can be imported into your OpenSpirit Runtime's master installation and managed using the Data Connectors tab.

Data Connectors Tab

The Data Connectors tab can be used to enable or disable data connectors, import new data connectors, and install data connector executable files into an OpenSpirit installation.



Importing Data Connectors

New releases of an OpenSpirit data connector are loaded into an OpenSpirit master installation's metadata repository using the **import data connector** button . Clicking on this button opens a file chooser window that can be used to select an OpenSpirit data connector package file. Data connector package files have a file name extension of **.osp_pkg**. Selecting a package file loads the data connector's metadata and executable files into the metadata repository. It will then appear in the data connector list as a new entry or as a new release version for a previous entry.



OpenSpirit data connector package files are obtained from the TIBCO software download site for each OpenSpirit data connector product.

Data connectors must then be installed into each satellite installation and master installation that you wish to use to run data connector processes for that data connector type.



Importing a new version of an existing data connector updates the OpenSpirit master installation's metadata repository. The metadata update cannot be reverted. You should backup your master installation's metadata repository prior to importing a new version of an existing data connector. The metadata repository can be backed up by shutting down the OpenSpirit master installation's shared services and then creating a backup of the master installation's database directory.





Importing a new version of an existing data connector updates the OpenSpirit master installation's metadata repository. Make sure no users are running data connectors during the data connector import.



Be sure to install the executables after importing the data connector. The executables should be installed into all OpenSpirit installations that are on an operating system platform that can be used to run the data connector. This includes the master installation. See the Installing Data Connectors section below for information about installing data connector executable files.

Installing Data Connectors

Data connector executable files must be installed into each satellite installation and master installation that you wish to run data connector processes from after importing a new data connector into the master installation's metadata repository. Data connectors that have been upgraded to a newer version but not yet installed in the OpenSpirit installation appear with a caution icon  in the Installed column. The caution icon indicates the executable files in the OpenSpirit installation are out of date with respect to the data connector release that was imported into the metadata repository. New data connector types that have been imported but have not been installed appear with no icon in the Installed column.

Select the data connector to install and click on the install icon . This will install the executable files for the selected data connector into the OpenSpirit installation that the Install Config Manager tool was started from.





Make sure no OpenSpirit Desktop, application, or data connector is running out of the OpenSpirit installation prior to installing a data connector. Otherwise there is risk that some files will be locked and therefore cannot be overwritten by the new executable files.




No facility is provided to un-install a data connector. Your OpenSpirit installation must be re-installed in order to revert a data connector installation.

Disabling Data Connectors

Disabling a data connector causes that data source type and version to no longer appear in any OpenSpirit tool or application. Companies may wish to disable data connectors for data store types that are not used by the company. Select one or more data connectors and click on the disable icon  in the tool bar to disable the selected data connectors. Disabled data connectors can be re-enabled by selecting one or more disabled data connector and clicking on the enable icon  in the tool bar.

Extracting Data Connectors

The data connector extraction feature is provided to enable data connector executable files to be manually installed. Manual installation of data connectors may be required by companies that control how software is deployed into an existing OpenSpirit installation.

Select the data connector to be extracted and click on the extract icon . This will open a file folder selection window. Select a file folder that you want the extracted data connector zip files to be placed in. A zip file will be created for each operating system platform supported by the data connector. The data connector can then be manually installed by unzipping the files into the top level folder of your OpenSpirit installations.

Configuring Studio Data Sources

Studio 2015

The Schlumberger Studio data connector requires the Studio Runtime to be installed on computers used to run the OpenSpirit Studio data connector. The Studio Runtime is obtained from Schlumberger.

Selecting the option to create a new Studio 2015 data source will display the following panel on the right hand side of the Data Source Configuration tool.

General Information (Studio_2015)

Data Source Name


Studio_2015

Data Source Description

Studio Database (Studio 2015)

Connection Information

Orade: :1521/



Test

License

Use Windows Authentication


☐


Query Account

Password

Studio Settings

Default Seismic Directory





Default to Storage CRS

☒

Skip well status mapping


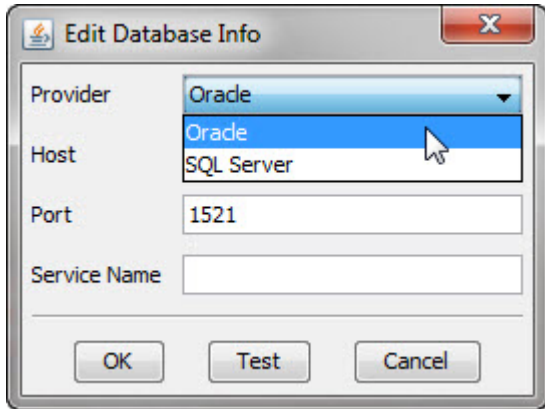



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

Connection retention timeout (seconds)

Status Information

License value is missing.

Following are descriptions of the values and some guidelines for filling out this panel:

Name	Description	Hints & Finding Values
Data Source Name	Free form name for data source	Names may NOT contain blanks, the period character ("."), or other special characters that are not allowed in UNIX file names. Also, the data source name must be unique within the same OpenSpirit installation.
Connection Information	The Studio database connection information (database provider, host, port and service name).	<p>Click on the edit button  to open a window used to enter the connection information.</p>  <p>Select the database provider (i.e. the type of database), then enter the host, port, and service name of your Studio database.</p> <p> This is the same information used when connecting to the Studio database from Petrel or from Studio Manager.</p>
License	The port and host of the license server that provides your Studio Runtime license.	<p>This value should be in the form of a port@host.</p> <p> This is likely to be the same port and host specified in your Studio Manager license server environment variable.</p>
Use Windows Authentication	Select this option if you want Windows authentication to be used by all users that will be accessing this data source. Windows authentication is required if <i>SQL Server</i> is selected as the database provider.	<p>A query account is required when using Windows authentication.</p> <p> The PCs that users will be running their Studio data connectors on will need to have an Oracle client installed and configured if your Studio database provider is Oracle and Windows authentication is selected. See the installation instructions for Studio Manager for more information about configuring a PC for Oracle Windows authentication.</p>

Name	Description	Hints & Finding Values
Query Account	The query account and password fields are enabled if the Use Windows Authentication option is chosen. Enter the account name and account password for a Studio database account. A query account is not needed if Windows authentication is not being used.	<p>The query account is used to determine which projects a Studio user has access to. Any Studio database user account that uses database authentication rather than Windows authentication can be used as the query account.</p> <p> The query account must SELECT permissions on the SKS_SYS.SDS_ACCOUNT, SKS_SYS.SDS_GRANT, and SKS_SYS.SDS_PIPE tables in the Studio database.</p>
Default Seismic Directory	The default directory used when creating new seismic data files.	<p>The default location where Studio creates seismic data files.</p> <p> It is recommended to use a shared network drive for this location.</p>
Default to Storage CRS	Convert spatial data to the Studio repository's storage coordinate system when inserting new data that is in a coordinate system that is not in the Studio coordinate system catalog. This option is enabled by default.	<p>Note, the setting of the <i>Create Custom CRS</i> will affect the behavior of this setting.</p> <p> Some Studio data types are always stored in the repository's storage coordinate system because the Studio data model does not provide for storing the value's original coordinate system. An example is drilling targets. The spatial information for drilling targets is always converted to the repository's storage system regardless of this configuration setting and regardless of the original's system being in the Studio coordinate catalog.</p>
Skip well status mapping	Selecting this option causes well status values to be passed through as is on both read and write rather than converting them to the OpenSpirit canonical status values.	<p>Enabling this option will likely prevent successful copying of well status information when using OpenSpirit Copy Manager to copy data from one data store type to a different data store type. Copying between dissimilar data store types usually requires well status information to be mapped from the source data store's well status values to the OpenSpirit well status values and then to the target data store's allowable values. Disabling this mapping may cause copied wells to have an UNKNOWN status. The skip option is typically used when importing well status information from a data store to an application such as Petrel. Select this option if you want to preserve the original well status value rather than using the OpenSpirit canonical well status values.</p>

Name	Description	Hints & Finding Values
Connection Retention Timeout	Enter a value to change the default Studio cache retention time. Default is 600 sec (10 mins).	Enter a value lower than the default in order to view <i>changed</i> data in the Studio data connector cache.

Studio 2016

The Schlumberger Studio data connector requires the Studio Runtime to be installed on computers used to run the OpenSpirit Studio data connector. The Studio Runtime is obtained from Schlumberger.

Selecting the option to create a new Studio 2016 data source will display the following panel on the right hand side of the Data Source Configuration tool.

General Information (Studio_2016)

Data Source Name Studio_2016

Data Source Description

Studio Database (Studio 2016)

Connection Information

Orade: :1521/

License

Use Windows Authentication

Query Account

Password

Test

Studio Settings

Default Seismic Directory

Well Symbol Group

Petrel

User Defined Group


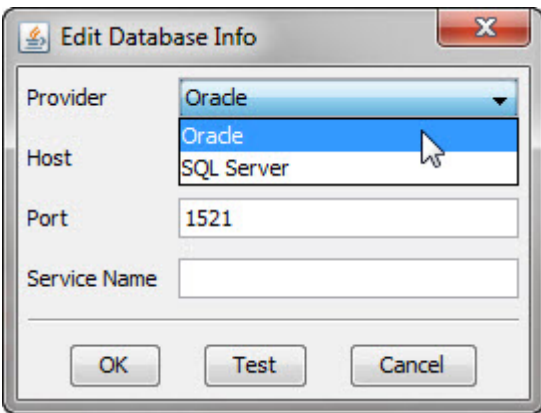



Default to Storage CRS






Skip well status mapping

Connection retention timeout (seconds)

Status Information

Following are descriptions of the values and some guidelines for filling out this panel:

Name	Description	Hints & Finding Values
Data Source Name	Free form name for data source	Names may NOT contain blanks, the period character ("."), or other special characters that are not allowed in UNIX file names. Also, the data source name must be unique within the same OpenSpirit installation.
Connection Information	The Studio database connection information (database provider, host, port and service name).	<p>Click on the edit button  to open a window used to enter the connection information.</p>  <p>Select the database provider (i.e. the type of database), then enter the host, port, and service name of your Studio database.</p> <p> This is the same information used when connecting to the Studio database from Petrel or from Studio Manager.</p>
License	The port and host of the license server that provides your Studio Runtime license.	<p>This value should be in the form of a port@host.</p> <p> This is likely to be the same port and host specified in your Studio Manager license server environment variable.</p>
Use Windows Authentication	Select this option if you want Windows authentication to be used by all users that will be accessing this data source. Windows authentication is required if <i>SQL Server</i> is selected as the database provider.	<p>A query account is required when using Windows authentication.</p> <p> The PCs that users will be running their Studio data connectors on will need to have an Oracle client installed and configured if your Studio database provider is Oracle and Windows authentication is selected. See the installation instructions for Studio Manager for more information about configuring a PC for Oracle Windows authentication.</p>

Name	Description	Hints & Finding Values
Query Account	The query account and password fields are enabled if the Use Windows Authentication option is chosen. Enter the account name and account password for a Studio database account. A query account is not needed if Windows authentication is not being used.	<p>The query account is used to determine which projects a Studio user has access to. Any Studio database user account that uses database authentication rather than Windows authentication can be used as the query account.</p> <p> The query account must SELECT permissions on the SKS_SYS.SDS_ACCOUNT, SKS_SYS.SDS_GRANT, and SKS_SYS.SDS_PIPE tables in the Studio database.</p>
Default Seismic Directory	The default directory used when creating new seismic data files.	<p>The default location where Studio creates seismic data files.</p> <p> It is recommended to use a shared network drive for this location.</p>
Well Symbol Group	The Well Symbol Group to use.	<p>Petrel, Shell, Maersk, Russian, PDVSA or UserSymbols are valid choices.</p> <p> Petrel is the default choice. When UserSymbols is chosen, the file %OSP_HOME%\plugins\Studio_2016\UserSymbolFile.xml must exist and contain the symbol group name specified in the User Defined Group field.</p>
User Defined Group	The User Defined Well Symbol Group to use when UserSymbols is the selected Well Symbol Group.	<p>When Well Symbol Group is UserSymbols, this name specifies the group in the XML file to use.</p> <p> This name must appear in the file %OSP_HOME%\plugins\Studio_2016\UserSymbolFile.xml as a group name.</p>
Default to Storage CRS	Convert spatial data to the Studio repository's storage coordinate system when inserting new data that is in a coordinate system that is not in the Studio coordinate system catalog. This option is enabled by default.	<p>Note, the setting of the <i>Create Custom CRS</i> will affect the behavior of this setting.</p> <p> Some Studio data types are always stored in the repository's storage coordinate system because the Studio data model does not provide for storing the value's original coordinate system. An example is drilling targets. The spatial information for drilling targets is always converted to the repository's storage system regardless of this configuration setting and regardless of the original's system being in the Studio coordinate catalog.</p>

Name	Description	Hints & Finding Values
Skip well status mapping	Selecting this option causes well status values to be passed through as is on both read and write rather than converting them to the OpenSpirit canonical status values.	Enabling this option will likely prevent successful copying of well status information when using OpenSpirit Copy Manager to copy data from one data store type to a different data store type. Copying between dissimilar data store types usually requires well status information to be mapped from the source data store's well status values to the OpenSpirit well status values and then to the target data store's allowable values. Disabling this mapping may cause copied wells to have an UNKNOWN status. The skip option is typically used when importing well status information from a data store to an application such as Petrel. Select this option if you want to preserve the original well status value rather than using the OpenSpirit canonical well status values.
Connection Retention Timeout	Enter a value to change the default Studio cache retention time. Default is 600 sec (10 mins).	Enter a value lower than the default in order to view <i>changed</i> data in the Studio data connector cache.

Studio 2017

The Schlumberger Studio data connector requires the Studio Runtime to be installed on computers used to run the OpenSpirit Studio data connector. The Studio Runtime is obtained from Schlumberger.


Selecting the option to create a new Studio 2017 data source will display the following panel on the right hand side of the Data Source Configuration tool.


General Information (Studio_2017)

Data Source Name: Studio_2017

Data Source Description:

Studio Database (Studio 2017)




Connection Information: Orade: :1521/  Test



License: 

Use Windows Authentication: ☐

Query Account: Password:

Studio Settings

Default Seismic Directory:   

Well Symbol Group: Petrel  

User Defined Group:


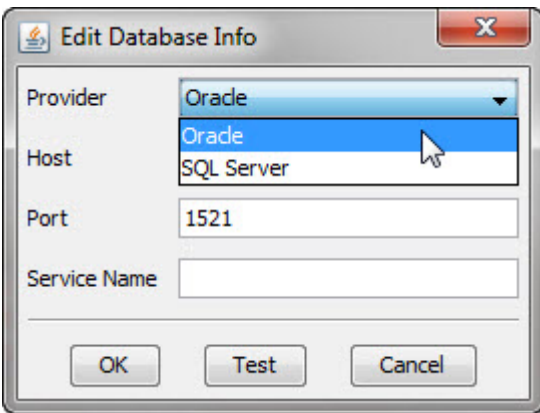



Default to Storage CRS: ☒






Skip well status mapping: ☐

Connection retention timeout (seconds):

Status Information

Following are descriptions of the values and some guidelines for filling out this panel:

Name	Description	Hints & Finding Values
Data Source Name	Free form name for data source	Names may NOT contain blanks, the period character ("."), or other special characters that are not allowed in UNIX file names. Also, the data source name must be unique within the same OpenSpirit installation.
Connection Information	The Studio database connection information (database provider, host, port and service name).	<p>Click on the edit button  to open a window used to enter the connection information.</p>  <p>Select the database provider (i.e. the type of database), then enter the host, port, and service name of your Studio database.</p> <p> This is the same information used when connecting to the Studio database from Petrel or from Studio Manager.</p>
License	The port and host of the license server that provides your Studio Runtime license.	<p>This value should be in the form of a port@host.</p> <p> This is likely to be the same port and host specified in your Studio Manager license server environment variable.</p>
Use Windows Authentication	Select this option if you want Windows authentication to be used by all users that will be accessing this data source. Windows authentication is required if <i>SQL Server</i> is selected as the database provider.	<p>A query account is required when using Windows authentication.</p> <p> The PCs that users will be running their Studio data connectors on will need to have an Oracle client installed and configured if your Studio database provider is Oracle and Windows authentication is selected. See the installation instructions for Studio Manager for more information about configuring a PC for Oracle Windows authentication.</p>

Name	Description	Hints & Finding Values
Query Account	The query account and password fields are enabled if the Use Windows Authentication option is chosen. Enter the account name and account password for a Studio database account. A query account is not needed if Windows authentication is not being used.	<p>The query account is used to determine which projects a Studio user has access to. Any Studio database user account that uses database authentication rather than Windows authentication can be used as the query account.</p> <p> The query account must SELECT permissions on the SKS_SYS.SDS_ACCOUNT, SKS_SYS.SDS_GRANT, and SKS_SYS.SDS_PIPE tables in the Studio database.</p>
Default Seismic Directory	The default directory used when creating new seismic data files.	<p>The default location where Studio creates seismic data files.</p> <p> It is recommended to use a shared network drive for this location.</p>
Well Symbol Group	The Well Symbol Group to use.	<p>Petrel, Shell, Maersk, Russian, PDVSA or UserSymbols are valid choices.</p> <p> Petrel is the default choice. When UserSymbols is chosen, the file %OSP_HOME%\plugins\Studio_2016\UserSymbolFile.xml must exist and contain the symbol group name specified in the User Defined Group field.</p>
User Defined Group	The User Defined Well Symbol Group to use when UserSymbols is the selected Well Symbol Group.	<p>When Well Symbol Group is UserSymbols, this name specifies the group in the XML file to use.</p> <p> This name must appear in the file %OSP_HOME%\plugins\Studio_2016\UserSymbolFile.xml as a group name.</p>
Default to Storage CRS	Convert spatial data to the Studio repository's storage coordinate system when inserting new data that is in a coordinate system that is not in the Studio coordinate system catalog. This option is enabled by default.	<p>Note, the setting of the <i>Create Custom CRS</i> will affect the behavior of this setting.</p> <p> Some Studio data types are always stored in the repository's storage coordinate system because the Studio data model does not provide for storing the value's original coordinate system. An example is drilling targets. The spatial information for drilling targets is always converted to the repository's storage system regardless of this configuration setting and regardless of the original's system being in the Studio coordinate catalog.</p>

Name	Description	Hints & Finding Values
Skip well status mapping	Selecting this option causes well status values to be passed through as is on both read and write rather than converting them to the OpenSpirit canonical status values.	Enabling this option will likely prevent successful copying of well status information when using OpenSpirit Copy Manager to copy data from one data store type to a different data store type. Copying between dissimilar data store types usually requires well status information to be mapped from the source data store's well status values to the OpenSpirit well status values and then to the target data store's allowable values. Disabling this mapping may cause copied wells to have an UNKNOWN status. The skip option is typically used when importing well status information from a data store to an application such as Petrel. Select this option if you want to preserve the original well status value rather than using the OpenSpirit canonical well status values.
Connection Retention Timeout	Enter a value to change the default Studio cache retention time. Default is 600 sec (10 mins).	Enter a value lower than the default in order to view <i>changed</i> data in the Studio data connector cache.