



# Talend Open Studio for Data Integration Release Notes

## 6.5.1

# Contents

Copyright.....	3
System requirements.....	4
Talend Open Studio for Data Integration: new features.....	4
Talend Open Studio for Data Integration: bug fixes.....	6
Talend Open Studio for Data Integration: deprecated items.....	6
Talend Open Studio for Data Integration: known issues and limitations.....	6
Talend Open Studio for Data Integration: hints and notes.....	8
Documentation.....	8
Reporting defects and issues.....	9

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Adapted for 6.5.1. Supersedes previous releases.

Publication date: January 18, 2018

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## System requirements

Users should refer to the Talend Installation and Migration Guide on the Talend Help Center (<http://help.talend.com>) for more information on Installation and System Requirements.

## Talend Open Studio for Data Integration: new features

### Data Integration: new features

Feature	Description
Db Connections metadata wizard enhancement	The Db Connections metadata wizard now supports specifying additional parameters and retrieving calculation view schemas for the SAP HANA database.
Enhanced Amazon S3 support	The tS3Connection component now supports connecting to Amazon S3 using a custom region endpoint.
Enhanced ELT support	<ul style="list-style-type: none"> <li>The tELT***Map components now allow you to set the output table name and connection name to variables.</li> <li>The tELTJDBC*** components now support aggregating Snowflake data.</li> </ul>
Enhanced Generic JDBC support	The generic JDBC components tJDBC*** now support the latest Amazon Redshift JDBC Driver.
Enhanced JSON support	The tExtractJSONFields and tFileInputJSON components now allow you to specify the JSONPath API version.
Enhanced Marketo support	<ul style="list-style-type: none"> <li>The endpoint for Marketo SOAP API has been updated to the latest API version.</li> <li>A new column marketoGUID of String type has been added to the schema of tMarkettoInput for the getLeadActivity and getLeadChanges operations.</li> </ul>

Feature	Description
Enhanced Microsoft CRM support	The tMicrosoftCrm*** components now support reading and writing data in Microsoft CRM 2016 on-premise database.
Enhanced NetSuite support	The tNetsuiteInput component now supports retrieving both body fields and sublist values of Netsuite records.
Enhanced SCD support	<ul style="list-style-type: none"> <li>• The tJDBCSCDELTA component now supports tracking data changes in Vertica 7.1 and 9.0 tables.</li> <li>• The tJDBCSCDELTA component now supports tracking Snowflake data changes using a sequence to generate the surrogate key.</li> </ul>
Enhanced Snowflake support	The tSnowflake*** components now support handling data of VARIANT type.
Enhanced Vertica support	<ul style="list-style-type: none"> <li>• The tVertica*** components now support Vertica 9.0.</li> <li>• The tVerticaBulkExec and tVerticaOutput BulkExec components now support specifying more COPY parameters when loading data into Vertica 6.0 and later.</li> <li>• The tVerticaBulkExec component can now work as an output component and you can connect a tFileInputRaw component to it to load data into Vertica.</li> </ul>
Other component enhancements	The tCreateTable component now supports creating Exasol, Redshift, and Vertica 7.1 database tables.

## Talend Open Studio for Data Integration: bug fixes

In addition to the new features a number of minor improvements within the entire products and significant bug fixes have been made. See the corresponding Change Logs on our bug tracking system for more details on the individual issues:

Module	Change Log
Data Integration	<a href="https://jira.talendforge.org/issues/?filter=26964">https://jira.talendforge.org/issues/?filter=26964</a>

## Talend Open Studio for Data Integration: deprecated items

Data Integration: deprecated items

Feature	Description
Components	Vertica 7.1 and all previous versions
Build Job types	The Axis Webservice (WAR) and Axis Webservice (ZIP) build job types
Commandline server option	The Enable Commandline server option used to add a remote CommandLine server

## Talend Open Studio for Data Integration: known issues and limitations

Data Integration: known issues and known limitations

We encourage you to consult the JIRA bug tracking tool for a full list of open issues:

<https://jira.talendforge.org/issues/?filter=26963>

Limitation	Description
Some SOQL queries are not supported for the guess schema and guess query features of tSalesforceInput.	<ul style="list-style-type: none"> <li>the SOQL query using the aggregate function</li> <li>the SOQL query using the TYPEOF expression</li> <li>the SOQL query using alias</li> <li>the prefix in the SOQL query is the same as the module name after FROM</li> </ul> <p>For example, SELECT Account.Name, (SELECT Contact.LastName FROM Account.Contacts) FROM Account is not supported, while SELECT Name, (SELECT</p>

Limitation	Description
	<p>LastName FROM Contacts) FROM Account that performs the same function is supported.</p> <ul style="list-style-type: none"> <li>the SOQL query with multiple modules after FROM</li> </ul> <p>For example, SELECT Contact.Firstname, Account.Name FROM Contact, Contact.Account is not supported. However, the child-to-parent and parent-to-child relationship queries are supported, so this query can be improved to SELECT Firstname, Account.Name FROM Contact.</p> <ul style="list-style-type: none"> <li>the SOQL query using toLabel()</li> <li>the field with the underscore character '_' in its name</li> </ul>
Java PSU is not supported.	<p>Talend is only supported on Java CPS Versions, not Java PSU.</p> <p>Some users reported problems using Talend Studio with Java PSU versions (such as jdk8_u92), but when reverting to a Java CPS Version (such as jdk8_u91) the problem was resolved.</p> <p>See also: <a href="http://www.oracle.com/technetwork/java/javase/cpu-psu-explained-2331472.html">http://www.oracle.com/technetwork/java/javase/cpu-psu-explained-2331472.html</a></p>
Collation limitation with Access	Since 6.0, the Access components in Talend Studio support only the General collation mode.
OAuth mode in the Salesforce wizard	To establish a Salesforce connection using OAuth2 authentication, you need first to execute a Talend Job to obtain your token file and then initialize it in the wizard.
Issue	Workaround
By default, macOS Sierra sets all downloaded files to "quarantine". This prevents you running the Studio.	<ol style="list-style-type: none"> <li>Unzip Talend Studio as usual.</li> <li>Open a <b>Terminal</b> window on the folder where you unzipped your Talend Studio.</li> <li>Execute either of the following commands:  <pre>xattr -d com.apple.quarantine * or xattr -c *</pre> </li> </ol>

## Talend Open Studio for Data Integration: hints and notes

### Data Integration: hints and notes

Item	Description
Out of memory when building Jobs on Java 8	Note that Java 8 uses more memory. If your project uses Java 8, you may need to increase the JVM memory used by Talend Studio.
Notes about Git support	<p>All branches/tags are visible for all projects on the same Git repository. Therefore, if you create some branches/tags for one project, all other projects on the same Git repository will have the same list.</p> <p>About the unlock mode: Any item modified will be kept locally, and will never be committed / pushed to the server until the item is unlocked.</p> <p>Project items will be stored temporarily on the stash system of Git if needed, so that they are not pushed until they are unlocked.</p>

## Documentation

### Talend Help Center

Find out more about how to get the most out of your Talend products on the Talend Help Center: <http://help.talend.com>.

### New documents

Talend Job Script Reference Guide is a new guide that provides general information on designing Jobs using Job scripts, property settings of frequently used components in Job scripts, and scenarios of Job designs using Job scripts.

The Getting Started Guide for the subscription version of Talend Data Preparation has been translated into French.



## Revised documents

The online version of the components documentation has been reorganized into domain-specific landing pages around an extensive master page.

The Talend Data Preparation documentation, which was previously published in the form of standalone articles, has been reorganized into three guides:

- Getting Started with Talend Data Preparation
- Talend Data Preparation User Guide
- Talend Data Preparation Quick Examples.

The Talend Data Stewardship documentation, which was previously published in the form of standalone articles, has been reorganized into three guides:

- Getting Started with Talend Data Stewardship
- Talend Data Stewardship Use Cases
- Talend Data Stewardship User Guide

Use cases for Big Data, Data Governance, Data Integration, Data Profiling and Cleansing, and Data Services and ESB Routing are now published separately from the Studio User Guide, as standalone guides.

## Open issues

We encourage you to consult the JIRA bug tracking tool for a full list of open issues:

<https://jira.talendforge.org/issues/?filter=18375>

## Reporting defects and issues

As a customer of Talend with a valid support contract, you can use our Talend Online Helpdesk or you can contact our customer support by phone and e-mail as stated in your contract.

Often the following information is needed and would help us to more easily evaluate your issue:

- Product and Version which you used (for example, Talend Data Fabric 6.5.1)
- Operating System, for example Windows Server 2008 R2 SP1 (64bit)
- Version of Java Platform JDK / JRE in use (for example, ORACLE JDK 1.8.0\_60)
- Log files and/or screenshots

Also, in order to ensure that the technical support team has sufficient information to help you, describe at least the following in detail:

- your actions up to the point when the problem occurred
- the results you expected

In addition to our support helpdesk, you can also use our community support tools:

- [Talend Community](#).
- You can also look into the [Talend Bug Tracker](#).
- Just keep in mind that only cases you create via one of the Talend Support channels in our Talend Support Helpdesk are treated under the service level agreements we provided in the related contract to you.