



Talend Open Studio for Data Integration Release Notes

7.1.1

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The content of this document is correct at the time of publication.

However, more recent updates may be available in the online version that can be found on [Talend Help Center](#).

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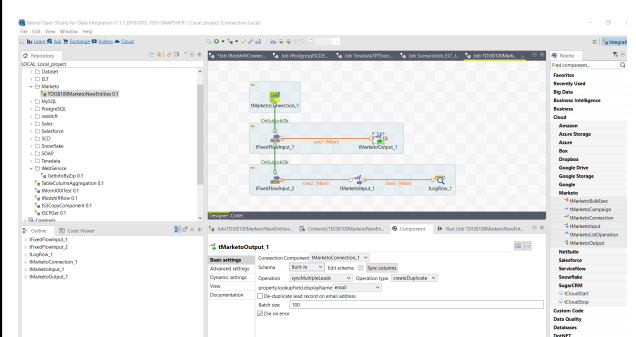
This product includes software developed at AOP Alliance (Java/J2EE AOP standards), ASM, Amazon, AntLR, Apache ActiveMQ, Apache Ant, Apache Axiom, Apache Axis, Apache Axis 2, Apache Batik, Apache CXF, Apache Chemistry, Apache Common Http Client, Apache Common Http Core, Apache Commons, Apache Commons Bcel, Apache Commons JXPath, Apache Commons Lang, Apache Derby Database Engine and Embedded JDBC Driver, Apache Geronimo, Apache Hadoop, Apache Hive, Apache HttpClient, Apache HttpComponents Client, Apache JAMES, Apache Log4j, Apache Lucene Core, Apache Neethi, Apache POI, Apache ServiceMix, Apache Tomcat, Apache Velocity, Apache WSS4J, Apache WebServices Common Utilities, Apache Xml-RPC, Apache Zookeeper, Box Java SDK (V2), CSV Tools, DataStax Java Driver for Apache Cassandra, Ehcache, Ezmorph, Ganymed SSH-2 for Java, Google APIs Client Library for Java, Google Gson, Groovy, Guava: Google Core Libraries for Java, H2 Embedded Database and JDBC Driver, Hector: A high level Java client for Apache Cassandra, Hibernate Validator, HighScale Lib, HsqlDB, Ini4j, JClouds, JLine, JSON, JSR 305: Annotations for Software Defect Detection in Java, JUnit, Jackson Java JSON-processor, Java API for RESTful Services, Java Agent for Memory Measurements, Jaxb, Jaxen, Jettison, Jetty, Joda-Time, Json Simple, LightCouch, MetaStuff, Mondrian, OpenSAML, Paracel JDBC Driver, PostgreSQL JDBC Driver, Resty: A simple HTTP REST client for Java, Rocoto, SL4J: Simple Logging Facade for Java, SQLite JDBC Driver, Simple API for CSS, SshJ, StAX API, StAXON - JSON via StAX, The Castor Project, The Legion of the Bouncy Castle, W3C, Woden, Woodstox: High-performance XML processor, Xalan-J, Xerces2, XmlBeans, XmlSchema Core, Xmlsec - Apache Santuario, Zip4J, atinject, dropbox-sdk-java: Java library for the Dropbox Core API, google-guice. Licensed under their respective license.

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
OpenJDK support	In addition to Oracle JDK, Talend supports OpenJDK 1.8 to generate, execute, and build Jobs.
Enhanced Amazon Redshift support	<ul style="list-style-type: none"> The tRedshiftUnload, tRedshiftBulkExec, tRedshiftOutputBulk and tRedshiftOutputBulkExec components now allow you to unload the data from Redshift to AWS S3 bucket. The tRedshift components (except for tRedshiftOutputBulk) now allow you to use SSO.
Enhanced Amazon S3 support	<ul style="list-style-type: none"> The tS3Connection, tS3Get and tS3Put components now support acceleration mode. The tS3Copy component now allows you to copy large file (more than 5GB). The tS3Get component now supports specifying the file to be retrieved.
Enhanced CreateTable support	<ul style="list-style-type: none"> The tCreateTable component now allows you to create a Snowflake table. The tCreateTable component now allows you to use temporary and unlogged tables for PostgreSQL.
Enhanced FTP support	The tFTPFileExist component now allows the next FTP component in the Job to take current directory as the root of the remote directory.
Enhanced FileInput support	<ul style="list-style-type: none"> The tFTP components now support SSH2 type private keys. The tFileInputDelimited component now allows you to specify a custom encoding type.
Enhanced Greenplum support	Greenplum 5.x is now supported.
Enhanced Marketo support	Three new Marketo components tMarketoCampaign, tMarketoInput and tMarketoOutput have been integrated to allow you to retrieve lead and campaign records. 

Feature	Description
Enhanced SOAP support	The tSOAP component now allows you to use special Latin characters in SOAP messages.
Enhanced MySQL Server support	<ul style="list-style-type: none"> • The tMysqlBulkExec, tMysqlOutputBulk and tMysqlOutputBulkExec components now support load data into an Amazon Aurora database during your bulk operations. • MySQL 8 is now supported.
Enhanced Oracle support	<ul style="list-style-type: none"> • Oracle 18c is now supported.
Enhanced PostgreSQL support	The tPostgreSQLOutputBulkExec component now allows you to use the COPY command.
Enhanced Snowflake support	<ul style="list-style-type: none"> • The Snowflake components now support OAuth access and allow you to take action on tables. • The Snowflake components are now available on Azure.
Enhanced Teradata support	The tTeradataTPTEExec component now allows you to customize scripts.
New unified ELT components	Three ELT components tELTJDBCMap, tELTJDBCInput and tELTJDBCOutput have been unified into tELTMap, tELTInput and tELTOutput as generic version.

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	https://jira.talendforge.org/issues/?filter=28369

Talend Open Studio for Data Integration: deprecated and removed items

Data Integration: deprecated and removed items

Feature	Description
Publishing settings	The following settings are deprecated from Talend 7.1 onwards: <ul style="list-style-type: none"><li data-bbox="815 566 1054 595">• Publish to SpagoBI<li data-bbox="815 600 1038 629">• Publish to Spagic

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=28366>

Limitation	Description
Some SOQL queries are not supported for the guess schema and guess query features of tSalesforceInput.	<ul style="list-style-type: none"> the SOQL query using the aggregate function the SOQL query using the TYPEOF expression the SOQL query using alias the prefix in the SOQL query is the same as the module name after FROM <p>For example, SELECT Account.Name, (SELECT Contact.LastName FROM Account.Contacts) FROM Account is not supported, while SELECT Name, (SELECT LastName FROM Contacts) FROM Account that performs the same function is supported.</p> <ul style="list-style-type: none"> the SOQL query with multiple modules after FROM <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"> the SOQL query using toLabel() the field with the underscore character '_' in its name
Java PSU is not supported.	<p>Talend is only supported on Java CPU 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 CPU Version (such as jdk8_u91) the problem was resolved.</p> <p>See also: http://www.oracle.com/technetwork/java/javase/cpu-psu-explained-2331472.html</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.

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	<p>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.</p> <p>If you find Talend Studio is using too much memory on your system, you can add this parameter to the Studio <code>.ini</code> file: <code>-XX:MaxMetaspaceSize=512m</code></p>
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. 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>
Use of recursive Jobs	<p>Avoid using recursive Jobs because this forces recursive Jobs with the same dependencies build. In a normal case each Job has its own Maven project, but with the use of recursive Jobs, all the Jobs linked might be compiled inside the same project. This can easily cause some compilation issues between the Jobs.</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>.

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 7.1.1)
- 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_161)
- 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.