

Talend Open Studio for Data Integration Release Notes

7.2.1

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Adapted for 7.2.1. Supersedes previous releases.

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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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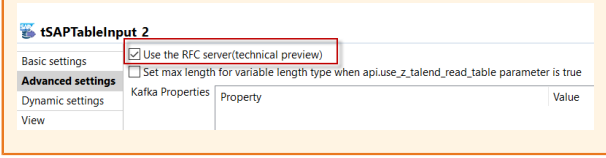
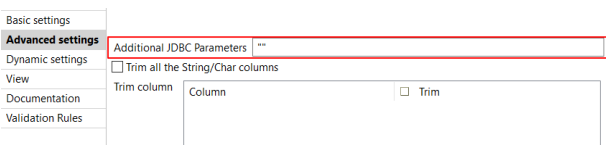
This product includes software developed at AOP Alliance (Java/J2EE AOP standards), ASM, Amazon, AntLR, Apache ActiveMQ, Apache Ant, Apache Axiom, Apache Axis, Apache Axis 2, Apache Batik, Apache CXF, Apache Chemistry, Apache Common Http Client, Apache Common Http Core, Apache Commons, Apache Commons 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.


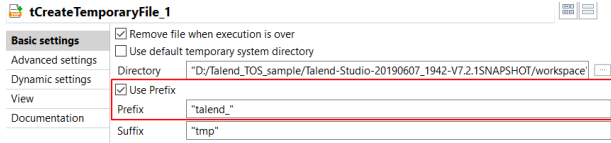
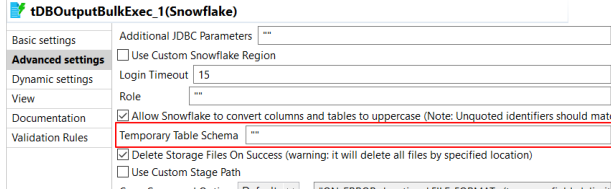
System requirements

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
Eclipse upgrade	The Talend Studio is now based on Eclipse 4.10 to benefit the latest features that Eclipse offers.
Java 11 support	The Talend Studio can now run on Java 11.
No-Internet mode	Now Studio users can launch the Talend Studio without Internet access.
Enhanced SAP support	<p>tSAPTableInput and tELTSAPMap let you select the Use the RFC server option, which allows you to directly extract large volumes of data from an SAP application.</p> <div style="border: 1px solid orange; padding: 5px; margin: 10px 0;"> <p>Warning: This feature is in technical preview status and an experimental feature.</p> </div> 
Enhanced Microsoft CRM support	Microsoft Dynamics WebAPI v9.1 (2018) is now supported.
Additional JDBC parameters support in components	<p>Studio users can now provide additional JDBC parameters in the following components:</p> <ul style="list-style-type: none"> tFirebirdInput, tFirebirdOutput, tFirebirdRow tIngresInput, tIngresOutput, tIngresRow, tIngresSCD tInterbaseInput, tInterbaseOutput, tInterbaseRow tNetezzaBulkExec, tNetezzaInput, tNetezzaNzLoad tParAccelBulkExec, tParAccelInput, tParAccelOutput, tParAccelOutputBulkExec, tParAccelRow, tParAccelSCD tPostgresPlusBulkExec, tPostgresPlusInput, tPostgresPlusOutput, tPostgresPlusRow, tPostgresPlusSCD, tPostgresPlusSCDELT tPostgresqlBulkExec, tPostgresqlInput, tPostgresqlOutput, tPostgresqlOutputBulkExec, tPostgresqlRow, tPostgresqlSCD, tPostgresqlSCDELT tVectorWiseInput, tVectorWiseOutput, tVectorWiseRow 
Additional JDBC parameters support in metadata connections	Studio users can now provide additional JDBC parameters for all database connections in the metadata wizard.
Components renamed	<p>The following components are renamed:</p> <ul style="list-style-type: none"> tSalesforceWaveBulkExec to tSalesforceEinsteinBulkExec

Feature	Description
	<ul style="list-style-type: none"> tSalesforceWaveOutputBulkExec to tSalesforceEin steinOutputBulkExec
<p>Json Web Token audience</p>	<p>Studio users can now set Json Web Token audience in the following components:</p> <ul style="list-style-type: none"> tSalesforceConnection tSalesforceInput tSalesforceOutput tSalesforceBulkExec tSalesforceGetDeleted tSalesforceGetUpdated tSalesforceOutputBulkExec tSalesforceGetServerTimeStamp 
<p>Default Salesforce API version changed</p>	<p>The default Salesforce API version changed to 45.0.</p>
<p>New check box available for the tCreateTemporaryFile component</p>	<p>Studio users can now specify a prefix in temporary filenames in the tCreateTemporaryFile component.</p> 
<p>Specifying a schema for the temporary table</p>	<p>Studio users can now specify a schema for the temporary table in the following components:</p> <ul style="list-style-type: none"> tSnowflakeBulkExec tSnowflakeOutputBulkExec 
<p>Support for PostgreSQL 11</p>	<p>The following components now support PostgreSQL 11 when the database version is 9.0 or later:</p> <ul style="list-style-type: none"> tPostgresqlBulkExec tPostgresqlCDC tPostgresqlConnection tPostgresqlInput tPostgresqlInvalidRows tPostgresqlOutput tPostgresqlOutputBulkExec tPostgresqlRow tPostgresqlSCD tPostgresqlSCDELTA tPostgresqlValidRows
<p>Support for UUID database type</p>	<p>The following components now support UUID type when the database version is Vertica 9.0 or later:</p>

Feature	Description
	<ul style="list-style-type: none">• tVerticaBulkExec• tVerticaConnection• tVerticaInput• tVerticaOutput• tVerticaOutputBulkExec• tVerticaRow• tVerticaSCD

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=29827

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"> • Publish to SpagoBI • Publish to Spagic
MicrosoftAX components	The following MicrosoftAX components are deprecated from Talend 7.2 onwards: <ul style="list-style-type: none"> • tMSAXInput • tMSAXOutput
Sage X3 components	The following Sage X3 components are deprecated from Talend 7.2 onwards: <ul style="list-style-type: none"> • tSageX3Input • tSageX3Output
OleDB components	The following OleDB components are deprecated from Talend 7.2 onwards: <ul style="list-style-type: none"> • tOleDBInput • tOleDBOutput • tOleDBRow
CentricCRM components	The following CentricCRM components are deprecated from Talend 7.2 onwards: <ul style="list-style-type: none"> • tCentricCRMInput • tCentricCRMOutput
SugarCRM components	The following SugarCRM components are deprecated from Talend 7.2 onwards: <ul style="list-style-type: none"> • tSugarCRMInput • tSugarCRMOutput
SAS components	The following SAS components are deprecated from Talend 7.2 onwards: <ul style="list-style-type: none"> • tSasInput • tSasOutput
SPSS components	The following SPSS components are deprecated from Talend 7.2 onwards: <ul style="list-style-type: none"> • tSPSSInput • tSPSSOutput • tSPSSProperties • tSPSSStructure
MySQL 4 support	The support for MySQL 4 is deprecated.

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=29826>

Limitation	Description
	<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 Some SOQL queries are not supported for the guess schema and the prefix in the SOQL query is the same as the module name after FROM 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. the SOQL query with multiple modules after FROM 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. 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.
tFileCopy can work only with Java 8	To prevent errors, users should run Jobs containing tFileCopy only on Java 8.

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 .ini 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.