



Talend Open Studio for Data Integration Release Notes

7.0.1

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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
New DMG for Talend installation on MacOS	A new DMG is provided for installation of Talend Open Studio products on MacOS to prevent macOS Sierra from setting downloaded files to "quarantine".
Enhanced Amazon EMR support	<ul style="list-style-type: none"> The tAmazonEMRManage component now allows you to specify the identifier of the Amazon EC2 security group and customize the cluster version and application information. EMR 4.9.2 and EMR 5.11.0 are now supported in the tAmazonEMRManage component.
Enhanced Amazon S3 support	<ul style="list-style-type: none"> The tS3Copy and tS3Put components now support server-side encryption with AWS KMS-Managed Keys (SSE-KMS). The tS3Put component now supports uploading data from an input stream.
Enhanced Amazon SQS support	<ul style="list-style-type: none"> A new component tSQSQueueAttributes, which allows you to get attributes of an Amazon SQS queue, has been added into Talend Studio. The tSQSOutput component now supports delivering messages to a FIFO (first-in-first-out) queue.
Enhanced DB2 support	DB2 v11 is now supported.
Enhanced FTP support	<ul style="list-style-type: none"> All FTP components now allow you to connect to an FTP server via an FTPS connection. The tFTPGet and tFTPPut components now support specifying the data channel protection level and the maximum size of the encoded data blocks when transferring data via an FTPS connection. The tFTPFileExists component now supports checking the existence of either a file or a folder.
Enhanced Generic JDBC support	Eight JDBC components (tJDBCConnect, tJDBCCommit, tJDBCConnection, tJDBCInput, tJDBCOutput, tJDBCRow, tJDBCRow, and tJDBCSP) and the Db Connections metadata wizard for creating and editing JDBC connections have been switched into the new framework and the user interface has been slightly changed.
Enhanced Google Drive support	<ul style="list-style-type: none"> The Google Drive components and metadata wizard have been switched into the new framework and the user interface has been slightly changed.

Feature	Description
	<ul style="list-style-type: none"> The Google Drive components and metadata wizard support three new authentication methods, and you can now connect to Google Drive using your client ID and client secret, client secret JSON file, or service account JSON file. The tGoogleDriveList component now supports listing removed files and folders.
Enhanced JSON support	The tWriteJSONField component now supports surrounding all values including number and boolean values in the generated JSON field with double quotation marks.
Enhanced Microsoft Azure SQL Data Warehouse support	A new component tSQLDWHBulkExec, which allows you to load data into an Azure SQL Data Warehouse table from either Azure Blob Storage or Azure Data Lake Store, has been added into Talend Studio.
Enhanced Microsoft CRM support	The tMicrosoftCrmInput and tMicrosoftCrmOutput components now support connecting to Microsoft Dynamics CRM Online Web application.
Enhanced Microsoft SQL Server support	The tMSSqlBulkExec component now supports executing any insert trigger during your bulk insert operation.
Enhanced Oracle support	The tOracleConnection component and the Db Connections metadata wizard now support connecting to Oracle using the Wallet.
Enhanced positional file support	The tFileInputPositional component now allows you to specify the unit of the fixed length value for each field.
Enhanced Salesforce support	<ul style="list-style-type: none"> The Salesforce components and metadata wizard now allow you to connect to Salesforce using OAuth 2.0 authentication JSON Web Token Flow. The tSalesforceInput component now supports specifying the timeout value for your bulk query Job to complete. The tSalesforceInput component now supports bulk querying any Salesforce field whose length is greater than 100,000 characters. Salesforce v42 is now supported.
Enhanced Snowflake support	<ul style="list-style-type: none"> A new component tSnowflakeRow, which allows you to execute any SQL command stated on a Snowflake database, has been added into Talend Studio. The tSnowflakeInput and tSnowflakeOutput components now support converting lowercases in the defined table name and schema column names to uppercases.

Feature	Description
Enhanced Sybase support	<ul style="list-style-type: none">• The tSybaseIQBulkExec and tSybaseIQOutput tBulkExec components now support loading data from the client side.• Sybase SQL Anywhere 16 is now supported.
New unified database components	Several unified database components tDB*** have been added into Talend Studio as entry points to a variety of databases.

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=27298

Talend Open Studio for Data Integration: deprecated and removed items

Data Integration: deprecated and removed items

Feature	Description
SAP	The tSAPBWInput component has been deprecated and hidden from the Palette.
Alfresco	The tAlfrescoOutput component has been removed.
Build Job types	The Axis WebService (WAR) and Axis WebService (ZIP) build job types have been removed.
Database components	Three database components tDBInput, tDBOutput, and tDBSQLRow have been removed.
Component Designer perspective	The Component Designer perspective has been removed.
HL7	The tHL7Input and tHL7Output components and the HL7 metadata wizard have been removed. We recommend you use Talend Data Mapper.

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=27297>

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 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 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: 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.
Latest Java version supported on Mac	The latest version of Java supported on Mac is 1.8.0_151 and later versions will not work correctly. See https://jira.talendforge.org/browse/TUP-19313 for details.

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. 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	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.

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 7.0.1)
- 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.