



Talend Open Studio for Big Data Release Notes

7.1.1

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Adapted for 7.1.1. 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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StAX, Super SCV, The Castor Project, The Legion of the Bouncy Castle, Twitter4J, Uuid, W3C, Windows Azure Storage libraries for Java, Woden, Woodstox: High-performance XML processor, Xalan-J, Xerces2, XmlBeans, XmlSchema Core, Xmlsec - Apache Santuario, YAML parser and emitter for Java, Zip4J, atinject, dropbox-sdk-java: Java library for the Dropbox Core API, google-guice. Licensed under their respective license.

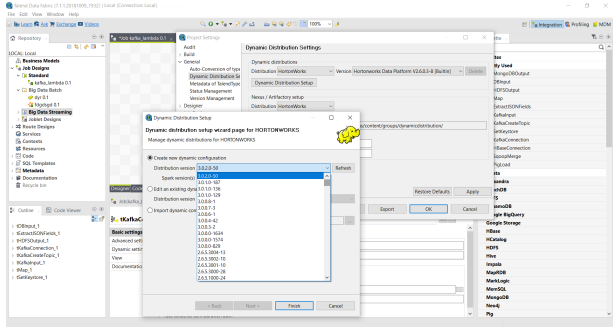
System requirements

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 Big Data: new features

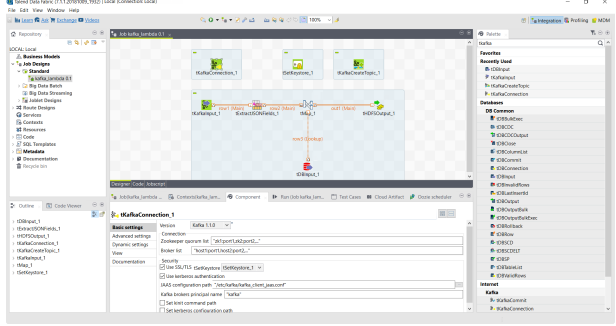
Big Data: new features

Support for Big Data platforms

Feature	Description
<p>Cloud Big Data platforms</p>	<p>Support for the following platforms has been added:</p> <ul style="list-style-type: none"> • Databricks: <ul style="list-style-type: none"> • DBFS components have been created. • Qubole: <ul style="list-style-type: none"> • Support for this platform has been added to Hive and the Pig components. <p>Together, all of the above changes help bring return-on-investment with Serverless Big Data and reduce processing costs by using Spark as a service in the Cloud. They enable transient usage for data management, bring more flexibility with elastic processing, and enable pay-per-use for Spark computing.</p>
<p>Upgraded support for Hadoop distributions</p>	<ul style="list-style-type: none"> • Hortonworks Data Platform V2.6.0.3-8 • EMR 5.15 • MapR 6.0.1 with MEP 5.0
<p>Dynamic Hadoop distributions</p>	<p>The ability to use a Cloudera or Hortonworks version that was not released at the moment your Talend Studio was released, by simply adding this version yourself through several clicks, brings unprecedented agility and flexibility.</p>  <p>Dynamic distributions for HDP 3.x and CDH 6.x are in technical preview in this release.</p>

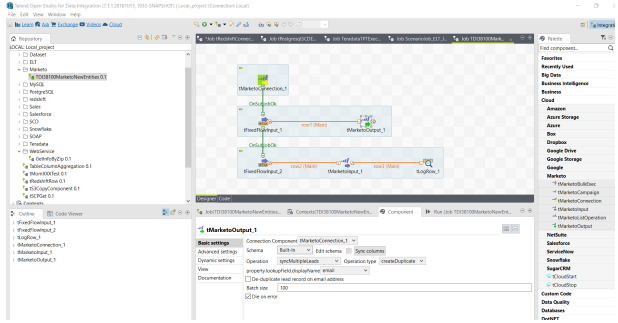
Other components

Feature	Description
<p>Kafka components</p>	<p>The Kafka components support Kafka V1.1.0 in Standard Jobs.</p>

Feature	Description
	
Sqoop and Hcatalog	tSqoopExport can now read schema from Hcatalog.
Hive metastore	Users are enabled to set up an HA (High Availability) Hive metastore using the Hive connection metadata wizard or.
HDFS	The explicit support for the WebHDFS scheme and the ADLS scheme has been added to the HDFS components.
Google BigQuery	The Google service account mode is supported to authenticate to Google BigQuery.
MapR OJAI	The tMapROjaiInput component is created.
MarkLogic	Marklogic V9.0.5 is supported.

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.

Feature	Description
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	<p>Three new Marketo components tMarketoCampaign, tMarketoInput and tMarketoOutput have been integrated to allow you to retrieve lead and campaign records.</p> 
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	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 tTeradataTPTExec 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 Big Data: 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
Big Data	https://jira.talendforge.org/issues/?filter=28393

Talend Open Studio for Big Data: deprecated and removed items

Big Data: deprecated and removed items

Deprecated items	Description
MongoDB version	MongoDB 2.6 is now deprecated.

Data Integration: deprecated and removed items

Feature	Description
Publishing settings	<p>The following settings are deprecated from Talend 7.1 onwards:</p> <ul style="list-style-type: none">• Publish to SpagoBI• Publish to Spagic

Talend Open Studio for Big Data: known issues and limitations

Big Data: 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=28394>

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>

Talend Open Studio for Big Data: hints and notes

Big Data: hints and notes

Item	Description
MapR 6.0 connection on Windows	<p>You need to add the following properties to the Studio startup .ini file to ensure successful connection to MapR 6.0:</p> <ul style="list-style-type: none"> • -Djava.security.auth.login.config=/opt/mapr/conf/mapr.login.conf • -Dhadoop.login=hybrid • -Djava.library.path=/opt/mapr/lib <p>Related issue: https://jira.talendforge.org/browse/TBD-6411.</p>

Data Integration: hints and notes

Item	Description
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.