



# Talend Open Studio for Big Data Release Notes

7.2.1

# Contents

<b>Copyleft.....</b>	<b>3</b>
<b>System requirements.....</b>	<b>5</b>
<b>Talend Open Studio for Big Data: new features.....</b>	<b>6</b>
Big Data: new features.....	6
Data Integration: new features.....	6
<b>Talend Open Studio for Big Data: bug fixes.....</b>	<b>9</b>
<b>Talend Open Studio for Big Data: deprecated and removed items.....</b>	<b>10</b>
Big Data: deprecated and removed items.....	10
Data Integration: deprecated and removed items.....	10
<b>Talend Open Studio for Big Data: known issues and limitations.....</b>	<b>12</b>
Big Data: known issues and known limitations.....	12
Data Integration: known issues and known limitations.....	12
<b>Talend Open Studio for Big Data: hints and notes.....</b>	<b>13</b>
Big Data: hints and notes.....	13
Data Integration: hints and notes.....	13
<b>Documentation.....</b>	<b>14</b>
<b>Reporting defects and issues.....</b>	<b>15</b>

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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.

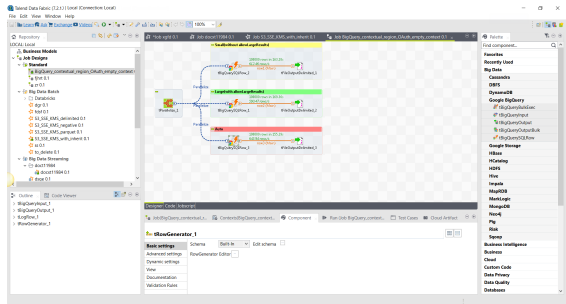
# Talend Open Studio for Big Data: new features

## Big Data: new features

### Support for Big Data platforms

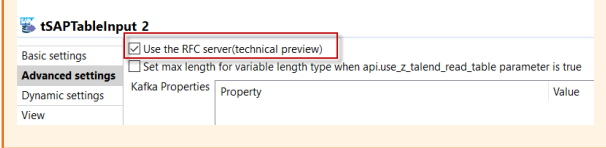
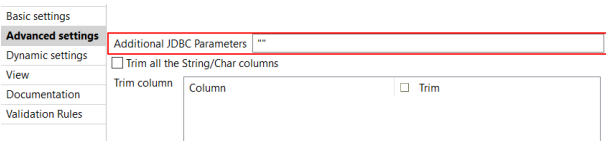
Feature	Description
Cloudera	<ul style="list-style-type: none"> <li>Cloudera CDH V6.1 is now supported.</li> <li>The Cloudera CDH V6.x series is now officially available among the Dynamic Distributions. They are not on technical preview anymore</li> </ul>
MapR	The support for MapR has been updated to MapR V6.1 with MEP (MapR Ecosystem Pack) V6.1


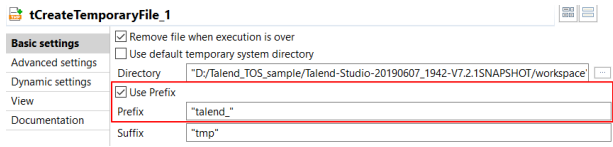
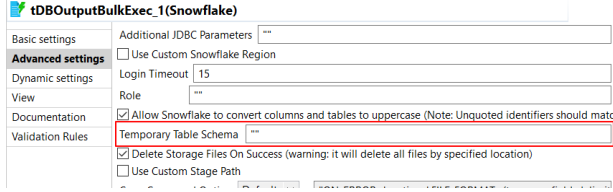
### Other components

Feature	Description
Google BigQuery	<ul style="list-style-type: none"> <li>The Google BigQuery components now support the regional locations in the Standard Jobs.</li> <li>The tBigQuerySQLRow component has been added.</li> </ul> 
Couchbase API	<ul style="list-style-type: none"> <li>New tCouchbaseInput and tCouchbaseOutput components have been created to better reflect the logic of the Couchbase Java SDK API.</li> <li>The old tCouchbaseInput and tCouchbaseOutput components have been renamed to tCouchbaseDCPI nput and tCouchbaseDCPOutput, respectively, as they use the Database Change Protocol to stream data changes to buckets.</li> </ul>

## 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.

Feature	Description
Enhanced SAP support	<p>tSAPTableInput and tELTSAPMap let you select the <b>Use the RFC server</b> option, which allows you to directly extract large volumes of data from an SAP application.</p> <div data-bbox="815 338 1423 568" style="border: 1px solid orange; padding: 5px;"> <p><b>Warning:</b> 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"> <li>• tFirebirdInput, tFirebirdOutput, tFirebirdRow</li> <li>• tIngresInput, tIngresOutput, tIngresRow, tIngresSCD</li> <li>• tInterbaseInput, tInterbaseOutput, tInterbaseRow</li> <li>• tNetezzaBulkExec, tNetezzaInput, tNetezzaNzLoad</li> <li>• tParAccelBulkExec, tParAccelInput, tParAccelOutput, tParAccelOutputBulkExec, tParAccelRow, tParAccelSCD</li> <li>• tPostgresPlusBulkExec, tPostgresPlusInput, tPostgresPlusOutput, tPostgresPlusRow, tPostgresPlusSCD, tPostgresPlusSCDELT</li> <li>• tPostgresqlBulkExec, tPostgresqlInput, tPostgresqlOutput, tPostgresqlOutputBulkExec, tPostgresqlRow, tPostgresqlSCD, tPostgresqlSCDELT</li> <li>• tVectorWiseInput, tVectorWiseOutput, tVectorWiseRow</li> </ul> <div data-bbox="815 1182 1423 1323" style="border: 1px solid gray; padding: 5px;">  </div>
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"> <li>• tSalesforceWaveBulkExec to tSalesforceEinsteinBulkExec</li> <li>• tSalesforceWaveOutputBulkExec to tSalesforceEinsteinOutputBulkExec</li> </ul>
Json Web Token audience	<p>Studio users can now set Json Web Token audience in the following components:</p> <ul style="list-style-type: none"> <li>• tSalesforceConnection</li> <li>• tSalesforceInput</li> <li>• tSalesforceOutput</li> <li>• tSalesforceBulkExec</li> <li>• tSalesforceGetDeleted</li> <li>• tSalesforceGetUpdated</li> <li>• tSalesforceOutputBulkExec</li> <li>• tSalesforceGetServerTimeStamp</li> </ul>

Feature	Description
	
<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"> <li>• tSnowflakeBulkExec</li> <li>• tSnowflakeOutputBulkExec</li> </ul> 
<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"> <li>• tPostgresqlBulkExec</li> <li>• tPostgresqlCDC</li> <li>• tPostgresqlConnection</li> <li>• tPostgresqlInput</li> <li>• tPostgresqlInvalidRows</li> <li>• tPostgresqlOutput</li> <li>• tPostgresqlOutputBulkExec</li> <li>• tPostgresqlRow</li> <li>• tPostgresqlSCD</li> <li>• tPostgresqlSCDELT</li> <li>• tPostgresqlValidRows</li> </ul>
<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> <ul style="list-style-type: none"> <li>• tVerticaBulkExec</li> <li>• tVerticaConnection</li> <li>• tVerticaInput</li> <li>• tVerticaOutput</li> <li>• tVerticaOutputBulkExec</li> <li>• tVerticaRow</li> <li>• tVerticaSCD</li> </ul>



## 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	<a href="https://jira.talendforge.org/issues/?filter=29841">https://jira.talendforge.org/issues/?filter=29841</a>

# Talend Open Studio for Big Data: deprecated and removed items

## Big Data: deprecated and removed items

Deprecated items	Description
Pig	The Pig components are deprecated from Talend 7.2 onwards.
Oozie	The support for Oozie is deprecated from Talend 7.2 onwards.
CouchDB components	The following components are deprecated from Talend 7.2 onwards: <ul style="list-style-type: none"> <li>tCouchDBConnection</li> <li>tCouchDBCLOSE</li> <li>tCouchDBInput</li> <li>tCouchDBOutput</li> </ul>
MemSQL components	The following components are deprecated from Talend 7.2 onwards: <ul style="list-style-type: none"> <li>tMemSQLClose</li> <li>tMemSQLConnection</li> <li>tMemSQLInput</li> <li>tMemSQLOutput</li> <li>tMemSQLRow</li> </ul>

## 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>Publish to SpagoBI</li> <li>Publish to Spagic</li> </ul>
MicrosoftAX components	The following MicrosoftAX components are deprecated from Talend 7.2 onwards: <ul style="list-style-type: none"> <li>tMSAXInput</li> <li>tMSAXOutput</li> </ul>
Sage X3 components	The following Sage X3 components are deprecated from Talend 7.2 onwards: <ul style="list-style-type: none"> <li>tSageX3Input</li> <li>tSageX3Output</li> </ul>
OleDB components	The following OleDB components are deprecated from Talend 7.2 onwards: <ul style="list-style-type: none"> <li>tOleDBInput</li> <li>tOleDBOutput</li> </ul>

Feature	Description
	<ul style="list-style-type: none"> <li>• tOleDbRow</li> </ul>
CentricCRM components	<p>The following CentricCRM components are deprecated from Talend 7.2 onwards:</p> <ul style="list-style-type: none"> <li>• tCentricCRMInput</li> <li>• tCentricCRMOutput</li> </ul>
SugarCRM components	<p>The following SugarCRM components are deprecated from Talend 7.2 onwards:</p> <ul style="list-style-type: none"> <li>• tSugarCRMInput</li> <li>• tSugarCRMOutput</li> </ul>
SAS components	<p>The following SAS components are deprecated from Talend 7.2 onwards:</p> <ul style="list-style-type: none"> <li>• tSasInput</li> <li>• tSasOutput</li> </ul>
SPSS components	<p>The following SPSS components are deprecated from Talend 7.2 onwards:</p> <ul style="list-style-type: none"> <li>• tSPSSInput</li> <li>• tSPSSOutput</li> <li>• tSPSSProperties</li> <li>• tSPSSStructure</li> </ul>
MySQL 4 support	The support for MySQL 4 is deprecated.

# 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=29842>

Limitation	Description
Java 11	Java 11 is not supported in the Standard Jobs or the Metadata Repository once they involve Big Data distributions.  This limitation is due to the constraint to support Java 11 of the Big Data distributions.

## 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>

# 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"> <li>• -Djava.security.auth.login.config=/opt/mapr/conf/mapr.login.conf</li> <li>• -Dhadoop.login=hybrid</li> <li>• -Djava.library.path=/opt/mapr/lib</li> </ul> <p>Related issue: <a href="https://jira.talendforge.org/browse/TBD-6411">https://jira.talendforge.org/browse/TBD-6411</a>.</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.