



Talend Open Studio for ESB Release Notes

6.5.1

Contents

Copyright.....	3
System requirements.....	5
Talend Open Studio for ESB: new features.....	5
Talend Open Studio for ESB: bug fixes.....	5
Talend Open Studio for ESB: deprecated items.....	5
Talend Open Studio for ESB: known issues and limitations.....	5
Talend Open Studio for ESB: migration.....	8
Talend Open Studio for ESB: hints and notes.....	9
Documentation.....	10
Reporting defects and issues.....	11

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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 ESB: new features

ESB: new features

Feature	Description
Runtime	<ul style="list-style-type: none"> • Apache Karaf is upgraded to 4.1.3. • Apache CXF is upgraded to 3.1.14.

Talend Open Studio for ESB: 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
ESB	https://jira.talendforge.org/secure/ReleaseNote.jspa?projectId=10186&version=22866

Talend Open Studio for ESB: deprecated items

ESB: deprecated items

Item	Description
Spring Dynamic Modules on Talend Runtime	The Spring Dynamic Modules on Talend Runtime is deprecated from version 6.3 onwards and will be removed from 7.0 onwards.

Talend Open Studio for ESB: known issues and limitations

ESB: 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=26955>

All ESB use cases (Routes, REST and SOAP Data Services) require Java 8 now.

Talend Open Studio for ESB (TOS4ESB) and Talend ESB Standard Edition (OSGi Runtime) only support Java 8.

Studio

Limitation	Description
Java PSU 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>
Only WS-I Basic Profile compliant WSDL documents are supported	<p>All WSDL service descriptions should be at least WS-I Basic Profile compliant if you want to use them in Talend Studio. See http://ws-i.org/deliverables/workinggroup.aspx?wg=basicprofile%20for%20more%20information. Other WSDL documents might also work but they are more likely to fail.</p>
tRunJob is supported with limitations	<p>The tRunJob component is supported with limitations, which means that only S4 (Minor) support cases are accepted and no patches are provided. If you use tRunJob within Data Services and Routes (with cTalendJob), support is provided on a "best effort" basis only. In most cases, there are class loading issues which can sometimes be resolved but not always.</p> <p>This is because tRunJob is not designed to work in a Service/Route style (ESB) deployment, so</p>

Limitation	Description
	<p>regular support is not provided if you decide to use it, even though it may work in many cases. If you used tRunJob in the past, it is recommended to change your Job Design to use Joblets instead.</p> <p>For DI and non-ESB use cases, it is still a valuable component and will have full support as before.</p> <p>Additionally, the Use dynamic job option is not supported within ESB Routes or Data Services at all.</p>

Issue	Workaround
<p>Route Builder beans cannot be organized in packages [TESB-3701]</p> <p>Beans in a route build can be used to add Java code for the route builder routes, however all beans are currently located in one single package.</p>	None
<p>XML payload content is not fully displayed in trace or debug mode</p> <p>When starting a Data Service Job in trace/debug mode, the content of the Document fields of the flows is not displayed fully - only the first line of the XML payload is shown.</p>	<p>If you need to see the XML data you can place a tLogRow component anywhere in your models. Keep in mind that Talend Studio also allows you to disable this component, so that you can enable it for testing inside Talend Studio, but disable it for export or publishing.</p>

Runtime

Issue	Workaround
<p>OSGi Container fails to log messages that were sent to system.err / system.out [TESB-11603]</p>	<p>If you encounter this issue, you can run the same scenario in Console mode as the system.err and system.out will show up on the console.</p>

Issue	Workaround
In the tesb.log file you will not see any messages which were sent via system.err or system.out.	

Talend Open Studio for ESB: migration

ESB: migration V6.4.x to 6.5.x

Studio

Item	Description
ESB Studio upgrade	The ESB Studio requires a new installation. You need to export your 6.4.x projects from your local 6.4.x workspace and import the project with the ESB Studio 6.5.x.
Studio project upgrade	Studio projects can be used without any manual migration. When the Data Services, Jobs and Routes are opened in the ESB Studio, the components that need changes will be upgraded automatically.

Runtime

Item	Description
ESB Runtime upgrade	The ESB Runtime (OSGi Container) requires a new installation. See also Compatibility notes on page 8 for details.

Compatibility notes

Item	Description
Talend ESB container migration	If you want to run your existing Data Services or Routes on the new 6.5.x Container, you need

Item	Description
	<p>to re-build, re-publish and re-deploy the Studio models to use the latest code changes.</p> <p>We support the mixed installation and use of Talend ESB container 6.4.x/6.3.x/6.2.x/6.1.x/6.0.x/5.6.x with Data Services and Routes generated by Talend ESB Studio 6.4.x/6.3.x/ 6.2.x/6.1.x/6.0.x/5.6.x and the Talend ESB Infrastructure Services in 6.5.x.</p>
Studio Routes migration	<p>From 6.3.1 onwards, the cMessageEndpoint Libraries are not shipped with the ESB Studio anymore. For more information about how to use Routes generated by ESB Studio older than 6.3.1, see the <code><Studio_Home>/esb/Readme_cMessageEndpoint_Libraries.txt</code> for details.</p>

Talend Open Studio for ESB: hints and notes

ESB: hints and notes

Studio

Item	Description
cAMQP requires the Client ID to be set	<p>When you use the cAMQP component in the Route Builder, make sure you always set the Client ID to a unique value which is not used in other Routes (the <code>clientId</code> header in cAMQP advanced settings.) If more than one cAMQP based Routes are executed in the same Talend Runtime container and the Client ID is not set, you will see some exceptions like:</p> <pre>org.springframework.jms.UncaughtException: Uncategorized exception occurred during JMS</pre>

Item	Description
	processing; nested exception is javax.jms.JMSEException: Broker: localhost - Client: tlnd-spappala(6968):2 already connected from tcp://127.0.0.1:49729

Runtime

Item	Description
Copying an ESB Container might lead to unexpected behaviour	A Talend Runtime container which was started once can't be copied to a different directory or machine. We recommend to always use the container that is shipped with the product.

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>.

New documents

Talend Job Script Reference Guide is a new guide that provides general information on designing Jobs using Job scripts, property settings of frequently used components in Job scripts, and scenarios of Job designs using Job scripts.

The Getting Started Guide for the subscription version of Talend Data Preparation has been translated into French.

Revised documents

The online version of the components documentation has been reorganized into domain-specific landing pages around an extensive master page.

The Talend Data Preparation documentation, which was previously published in the form of standalone articles, has been reorganized into three guides:

- Getting Started with Talend Data Preparation
- Talend Data Preparation User Guide
- Talend Data Preparation Quick Examples.

The Talend Data Stewardship documentation, which was previously published in the form of standalone articles, has been reorganized into three guides:

- Getting Started with Talend Data Stewardship
- Talend Data Stewardship Use Cases
- Talend Data Stewardship User Guide

Use cases for Big Data, Data Governance, Data Integration, Data Profiling and Cleansing, and Data Services and ESB Routing are now published separately from the Studio User Guide, as standalone guides.

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 6.5.1)
- 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_60)
- 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.