

# ICE Talend Connector



## Infobright Community Edition (ICE) Talend Connector

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The ICE Talend connector is a component that is designed to load data into an Infobright table.

The connector is supported on Linux. ICE is currently also supported on Windows, and support for the connector on Windows will be added in future.

### Prerequisites

Install Talend Open Studio 3.x.

### Installation

The instructions assume you are using Talend 3.0 GA release (TOS-All-r18993-V3.0.0). If not, then update the pathnames as appropriate.

Unpack the package into the Talend folder under the path:

```
TOS-All-r18993-V3.0.0/plugins/  
org.talend.designer.components.localprovider_3.0.0.r18993/components
```

### Usage

The connector is found in the components selection under  
**Databases->MySQL->tInfobrightOutput.**

The list of columns passed to the connector must match the column types and must be of compatible types to the underlying table, and in the same order. The column names need not match.

Select the Infobright product version that corresponds to the version you are using. The options are: Community (ICE), or Enterprise (IEE).

You can use most of the standard MySQL components with Infobright (tMysqlInput, etc.) With Infobright Enterprise Edition, you can use tMysqlOutput to load data into an Infobright table, which works using the INSERT statement via JDBC. The difference with tInfobrightOutput is that it uses the Infobright bulk loader through a named pipe, not the INSERT statement.

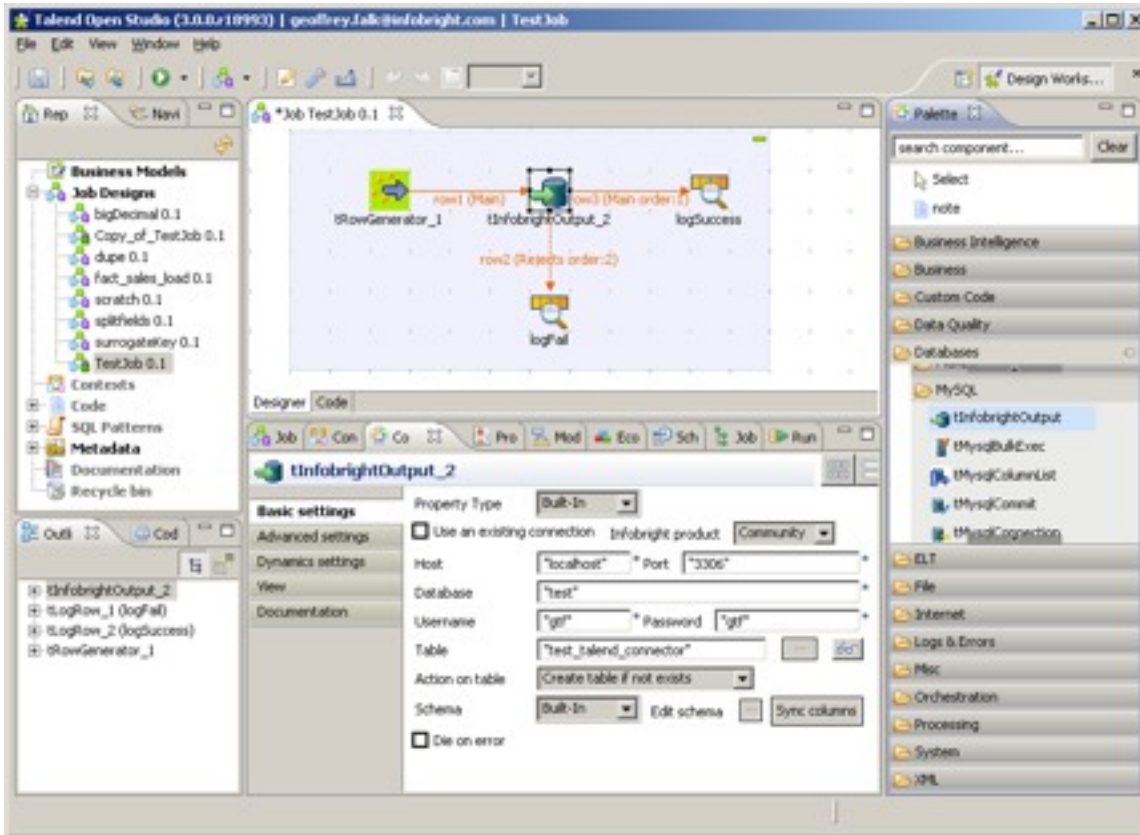


Figure 1: Screenshot

*commitEvery* setting:

Value	Behaviour
0	Autocommit is enabled. If the job is stopped or aborts, all rows loaded up to that point will remain in the table.
N (number >0)	Commit every N valid rows. If the job is stopped or aborts, all rows committed will remain in the table. Rows from the last partial batch will be rolled back.
(blank)	Autocommit is disabled. If the job is stopped or aborts, all rows will be rolled back (all-or-nothing).

**Note:** When using the CREATE TABLE option of Talend, be sure to define the ICE table with data types that are supported by ICE. For example, for Boolean data types, Talend creates a column of type BIT(0) which is not supported by Infobright. In this particular example, create the table within ICE using an integer type such as TINYINT and avoid creating the table within Talend. If unsure whether the data type is supported by ICE, do not use any of the table options within Talend such as "create" or "drop if exists and create."

### Known Issues

In very rare cases, if the transformation is killed while a load is being initiated to the ICE database, the LOAD DATA INFILE process may remain running. This will leave the table locked, so queries and subsequent loads will hang up. This scenario is very rare. Typically the Commit Size is set to a large number (e.g. 1000000) so the probability of killing a transformation while a new load is being initiated is unlikely.

In the case where a transformation process is killed and the LOAD DATA INFILE process remains running, it can be resolved by:

1. Going into the MySQL console and doing a "show processlist;"
2. Doing a "kill <session#>;" where session# is the session of the LOAD DATA INFILE process.