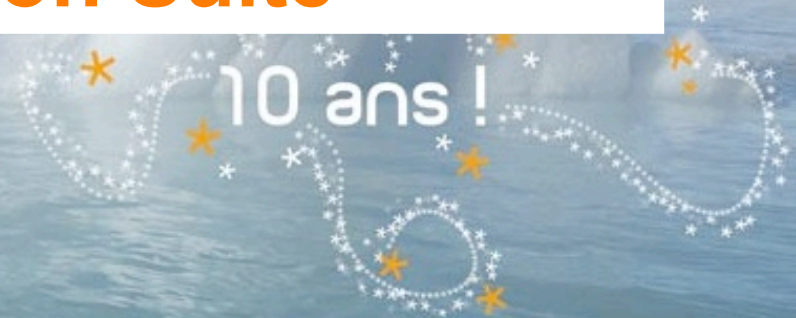


Feedback & lessons after one year of production use of **Talend Integration Suite**



➔ Cédric Carbone
Talend CTO



➔ Pierre-Eric MENUET
System Integration



Agenda

- ◆ Talend corporate overview
- ◆ DataIntegration and DataQuality products
- ◆ Eurofins corporate overview
- ◆ Projects description and feedback
- ◆ Q&A

- ◆ **Leading provider of open source data integration software**
 - ➔ Making data integration solutions available to organizations of all sizes and for all integration needs

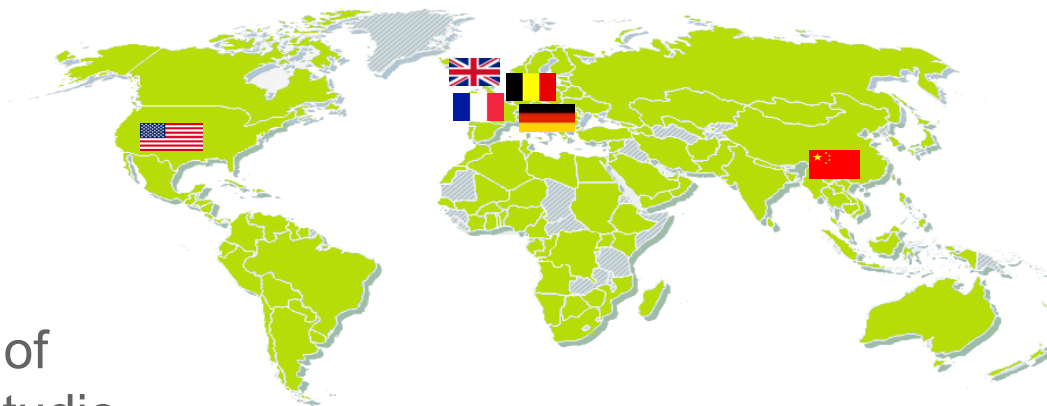
- ◆ **Venture-backed**



- ◆ **Worldwide operations and users**



1 download of
Talend Open Studio
per minute

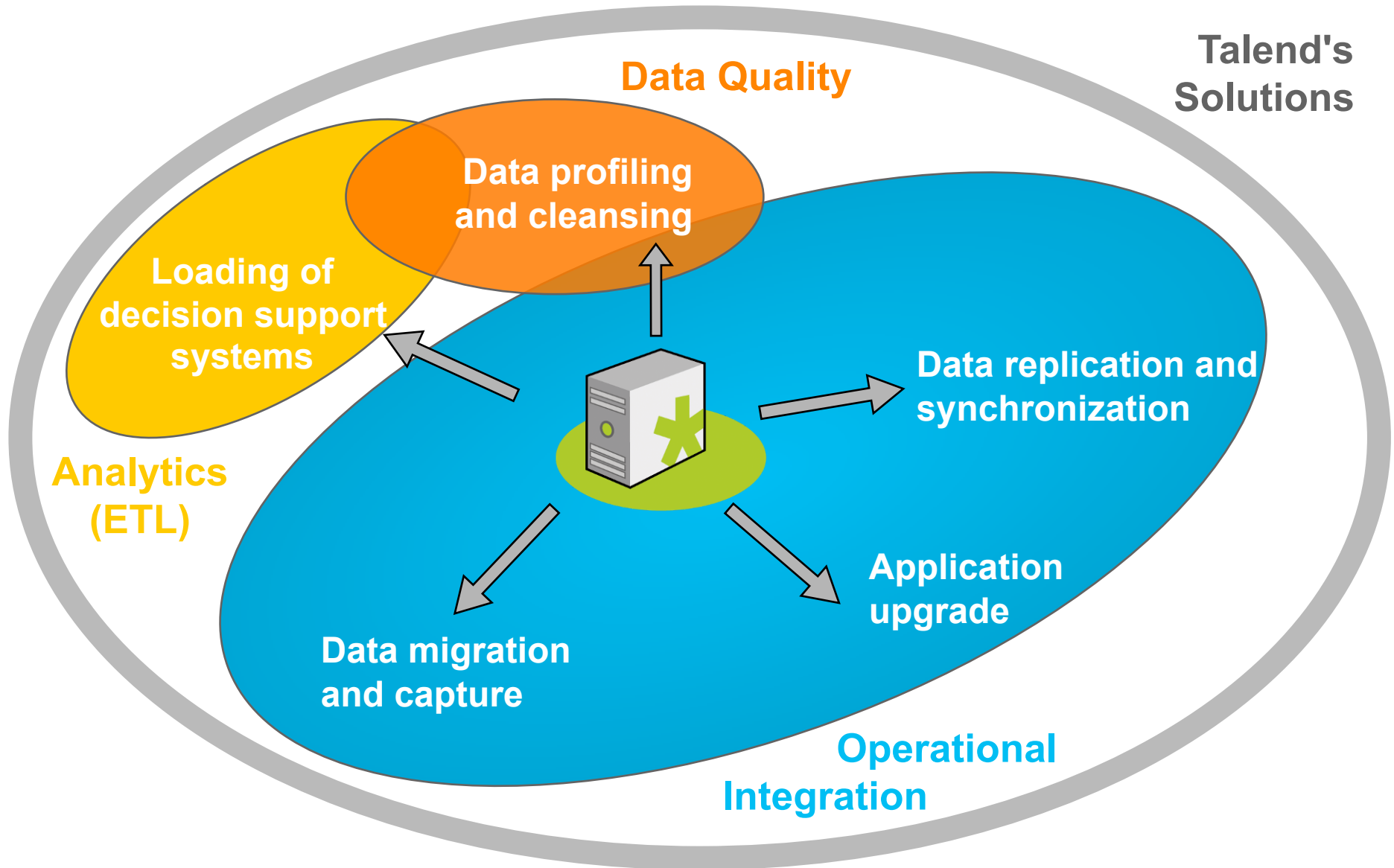


1 new customer
per day

Talend Positioning



Talend's
Solutions



Talend Open Studio



Industry's first open source data integration software comprises 3 major applications:

- ◆ Business Modeler
- ◆ Job Designer
- ◆ Metadata Manager

The screenshot displays the Talend Open Studio interface, which is divided into several key areas:

- Business Modeler (Left):** Shows a conceptual data model. It includes a 'Datawarehouse feed' connected to 'SugarCRM' and a 'CRM application'. A 'BusinessApplication' is shown with the instruction 'Import all data'. A 'DataWarehouse' is connected to the CRM application with a filter: 'Filter : only active customers'. A 'Delete' button is also visible.
- Job Designer (Top Right):** Shows a 'Discovery Job' workflow. The process starts with 'File Fetch over HTTP' leading to 'Orders Delimited File'. This feeds into a 'Mapping' component, which then connects to 'ValidOrders (Main order:1)' and 'ValidOrders MySQL Bulk'. A 'Customers Lookup SQLServer' component is also present, with a 'row2 (Lookup)' connection to the Mapping component. A 'rejects (Main order:2)' path leads to 'Rejected Orders XML File'. The interface includes a 'Palette' on the right with various components like 'tAggregateSortedRow', 'tExternalSortRow', 'tFilterColumns', 'tFilterRow', 'tJoin', 'tMap', 'tReplace', 'tSortRow', and 'tSystem'. There are also 'Stats & Traces' and 'Ecosystem' panels.
- Metadata Manager (Bottom):** Shows a 'Comprehensive' metadata view. It displays a table with columns for 'Expression' and 'Column'. The 'Expression' column contains SQL-like expressions such as '\$row1[ID_Owners]', '\$row1[Registration]', '\$row1[Make]', '\$row1[Color]', '\$row2[Name]', '\$row2[ID_Insurance]', '\$row1[ID_Reseller]', '\$row3[Name_Reseller]', '\$row3[Address_Reseller]', '\$row3[ZipCode]', and '\$row3[City]'. The 'Column' column lists corresponding database columns like 'ID_Owners', 'Registration', 'Make', 'Color', 'Name', 'ID_Insurance', 'Name_Reseller', 'Address_Re...', and 'City'. Below this, there are 'Schema editor' and 'Expression editor' tabs, each showing a table of metadata with columns for 'Column', 'Key', 'Type', 'Nullable', 'Len...', 'Pre...', and 'Co...'. The 'row1' schema table has columns: ID_Owners (int, nullable), Registration (String, nullable), Make (String, nullable), and Color (String, nullable). The 'Comprehensive' table has columns: Make (String, nullable), Color (String, nullable), Name (String, nullable), and ID_Insurance (String, nullable).

Talend Integration Suite (1/2)



Subscription service extends Talend Open Studio

◆ Modules

- ⇒ Advanced Studio
- ⇒ Shared Repository
- ⇒ Automated Deployment & Load Balancing
- ⇒ Activity Monitoring Dashboard

◆ Key benefits

- ⇒ Increase development productivity
- ⇒ Facilitate collaboration and promote best practices
- ⇒ Manage enterprise-scale deployments
- ⇒ Centralize monitoring of integration processes

Talend Integration Suite (2/2)

Subsidiary's

Administrator - Mozilla Firefox
 http://localhost:8080/org.talend.administrator302/Administrator.html

Talend Activity Monitoring Console (1.0.0.qualifier)

Jobs

Project: All
 Filter (Regex):

Project	Job	Status	Started at	Ended at	Elapsed
AGATHE	componentListStat	ok	2007-07-05 08:02:02	2007-07-05 08:02:02	0.5
AGATHE	componentIcons	ok	2007-07-05 00:00:01	2007-07-05 00:00:08	6.5
MIGRATELOG	bugOriginNull	warning	2007-05-23 09:54:50	2007-05-23 09:54:52	1.8
MIGRATELOG	child	ok	2007-05-21 12:27:40	2007-05-21 12:27:41	1.5
MIGRATELOG	parent	ok	2007-05-21 12:27:38	2007-05-21 12:27:41	3.4
MIGRATELOG	Prior2	ok	2007-05-18 19:43:21	2007-05-18 19:43:21	1.4
MIGRATELOG	SubJob1	ok	2007-05-18 12:20:08	2007-05-18 12:20:10	1.5
MIGRATELOG	walou	ok	2007-05-18 12:20:01	2007-05-18 12:20:10	9.5
ERWANN	componentListStat	failure	2007-05-02 09:05:01		
STATS	Prior	ok	2007-04-23 18:36:50	2007-04-23 18:36:52	2.5

componentIcons history

Start Time	Elapsed Time	Status	Context	Job Version	System Pid
2007-07-05 00:00:01	6.5	ok	Default	0.1	12539
2007-07-04 12:00:01	6.4	ok	Default	0.1	12264
2007-07-04 00:00:01	8.1	ok	Default	0.1	11906
2007-07-03 12:00:02	6.6	ok	Default	0.1	11643
2007-07-03 00:00:01	7.4	ok	Default	0.1	11168
2007-07-02 12:00:02	5.9	ok	Default	0.1	10299
2007-07-02 00:00:02	5.5	ok	Default	0.1	9289
2007-07-01 12:00:01	6.1	ok	Default	0.1	8291
2007-07-01 00:00:01	6.2	ok	Default	0.1	7003
2007-06-30 12:00:02	7.0	ok	Default	0.1	5901
2007-06-30 00:00:02	8.0	ok	Default	0.1	4641
2007-06-29 12:00:01	8.1	ok	Default	0.1	3490
2007-06-29 00:00:01	5.6	ok	Default	0.1	8481
2007-06-28 12:00:02	6.7	ok	Default	0.1	7601
2007-06-28 00:00:02	8.2	ok	Default	0.1	6599
2007-06-27 12:00:01	324.6	ok	Default	0.1	5693
2007-06-27 00:00:01	6.7	ok	Default	0.1	5171

Execution time of jobs componentIcons

Execution logged events | Error report | Threshold Charts | Fixed chart

Sub-processes details on componentIcons execution

tMysqlOutput_1 = 4,9 sec (75%)
 tSystem_1 = 1,6 sec (25%)

Legend: tSystem_1 (blue), tMysqlOutput_1 (red)

Talend Open Profiler



Industry's first open source data profiling software

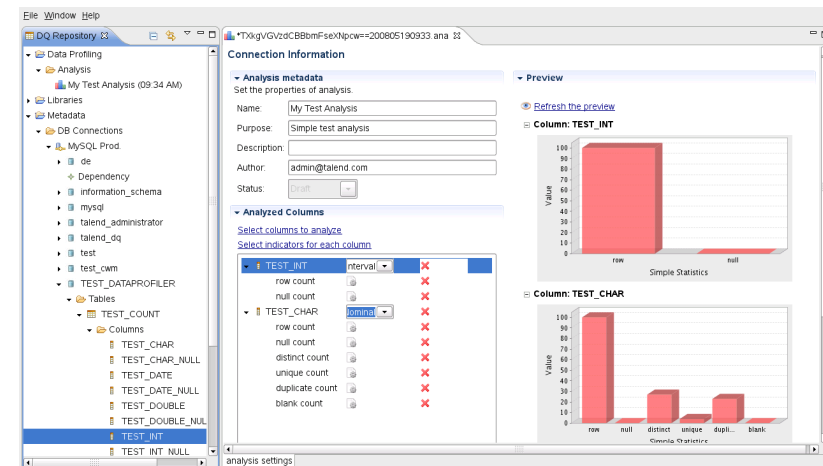
- ➔ Examine data contained in data sources
- ➔ Collect information and statistics about the data

◆ Features

- ➔ Metadata discovery
- ➔ Statistics
- ➔ Data validation

◆ Benefits

- ➔ Discover level of quality of data
- ➔ Understand data characteristics
- ➔ Identify potential problems before beginning data projects
- ➔ Reduce time and resources needed to find problematic data
- ➔ Allow business analysts to have more control of maintenance and data management



Talend Data Quality



◆ Benefits



































- ➔ Integrated suite for diagnosing and fixing erroneous data
 - Data profiling
 - Measure and track level of quality
 - Preserve historical records for measuring improvement or degradation
 - Data cleansing
 - Eliminate data inconsistencies, duplicates, etc.
 - Produce augmented/enriched data
 - Standardizes data (Postal Address...)
- ➔ Complete data quality lifecycle management

◆ Natively integrated with Data Integration

- ➔ Implement a "Data Quality Firewall" in data integration processes

Partnerships (Examples)



OEM <i>Powered by Talend</i>	Technology	Systems Integrators	
     	       	    	       
<div data-bbox="248 1155 689 1278" style="background-color: #4a7ebb; color: white; padding: 10px; text-align: center; font-weight: bold;">Alliances</div>  	 	 	

Selected Talend Customers



Finance & Insurance



Services



Manufacturing & Retail



Public Sector & Education



- ◆ Eurofins Scientific is a life sciences company operating laboratories
- ◆ Comprehensive range of analytical testing services drawing on the latest developments in biotechnology
- ◆ range of **testing and support services** to the pharmaceutical, food, environmental and consumer products industries and to governments.
- ◆ 8000 employees across 150 sites in 29 countries
- ◆ Many integration needs

- ◆ After more than one year of usage of Talend Integration Suite
 - ◆ 4 projects finished with success
 - ◆ Different projects :
 - ◆ EDI project
 - ◆ Data migration
 - ◆ Synchronization

- ◆ Talend benefits :
 - ◆ Open : specific components has been developed
 - ◆ Specific release management process for TALEND migration

#1 : Electronic Data Interchange (EDI)



- ◆ EDI between online Platform and LIMS system (Laboratory information and management system)
- ◆ Multi technologies
 - ◆ XML
 - ◆ SQL Server
 - ◆ FTP

#2 : ERP migration

- ⇒ Critical project with very short deadlines
- ⇒ Data migration for accounting and purchase
- ⇒ Migrate 30 companies to Microsoft AXAPTA
 - ⇒ 4 legacy accounting software
 - ⇒ 7 legacy purchase software
 - ⇒ 4 fixed asset software

- ⇒ 3 developers full time during 5 months
- ⇒ 400 Talend jobs
- ⇒ 350 metadata

#2 : ERP synchronization

- ➔ Synchronization between ERP production systems and AXAPTA
- ➔ XML exchange in a two-ways interface

