



**Business School**  
UNIVERSITY OF COLORADO **DENVER**

**Information Systems Program**

# **Module 5**

## **Architectures, Features, and Details of Data Integration Tools**

### **Lesson 3: Talend Open Studio**



# Lesson Objectives

- List major features of Talend Open Studio for data integration
- Gain familiarity with Talend features for jobs and transformations
- Explore more details about Talend Open Studio



# Talend Product Editions

- Community edition with a standard open source license
- Enterprise editions with a subscription service for technical support and extended features
- Several enterprise and platform editions for Talend Data Integration product



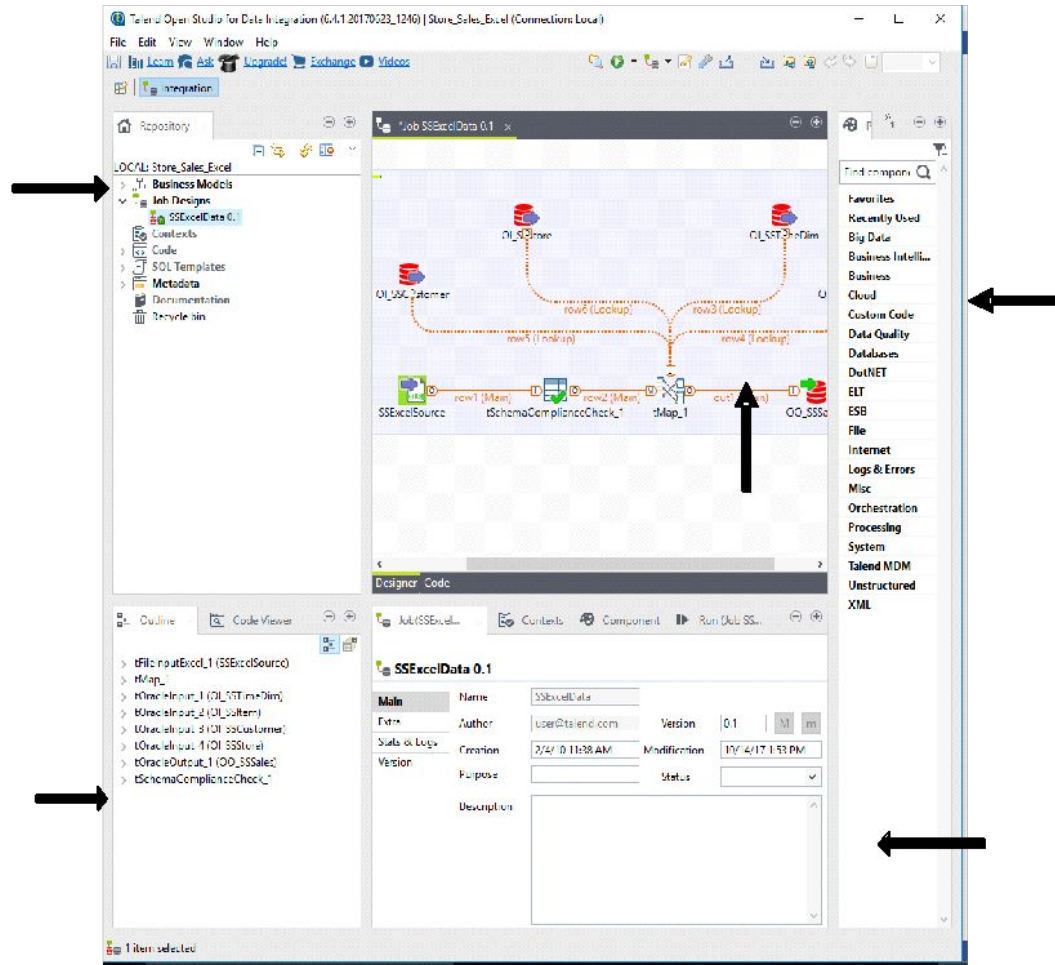
# Data Integration Features



- Graphical job design using components
- Palette of data transformation components
- Job execution with database connectivity
- Meta data repository
























# Talend IDE



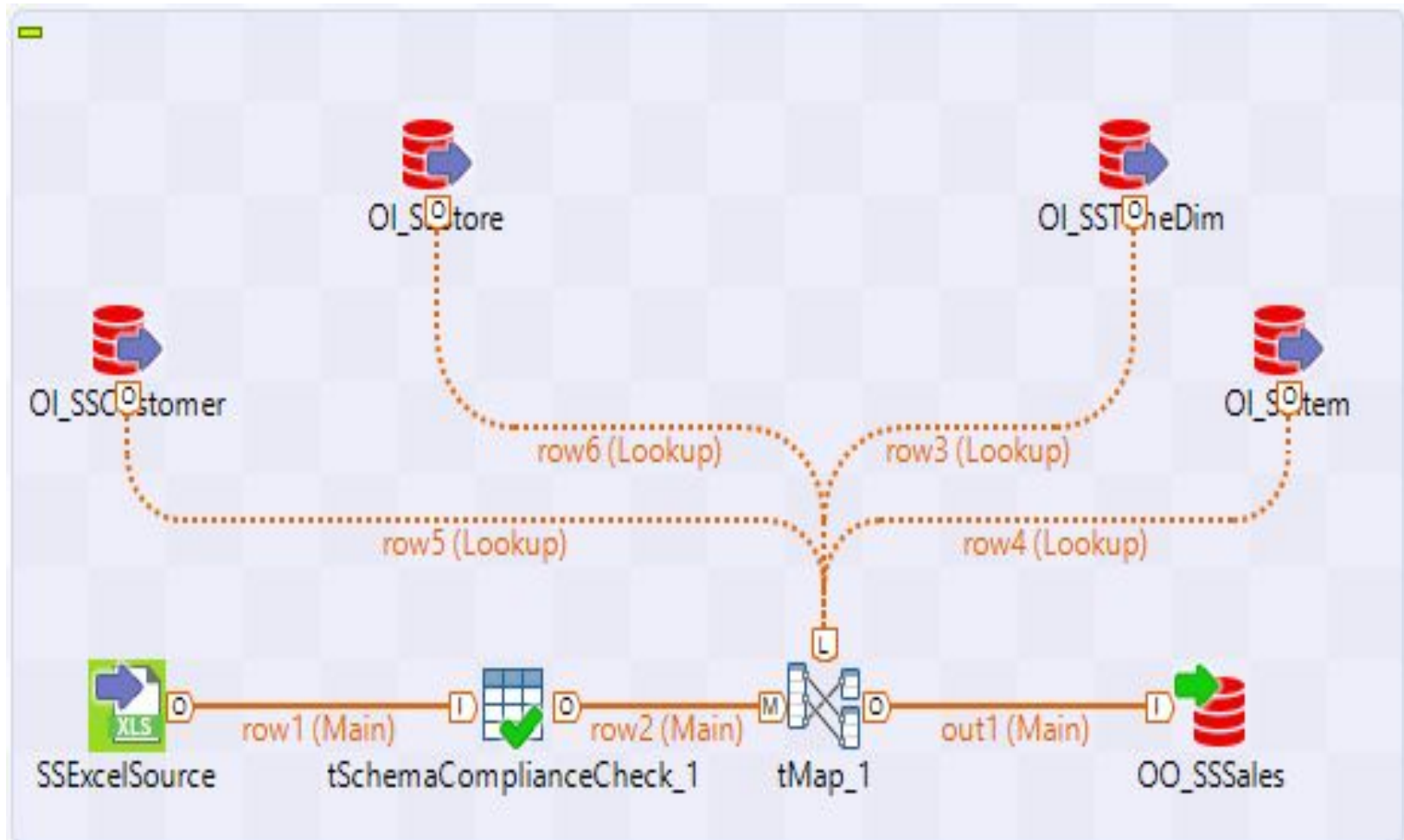


# Palette with Components

Category	Prominent Components		
Data quality	 tUniqRow	 tIntervalMatch	 tSchemaComplianceCheck
Databases	 tOracleConnection	 tOracleInput	 tOracleOutput
ELT	 tELTOracleInput	 tELTOracleOutput	 tCombinedSQLFilter
Processing	 tMap	 tSortRow	 tConvertType
Internet	 tHttpRequest	 tSendMail	 tSocketInput
XML	 tExtractXMLField	 tXSDValidator	 tXSLT
Big data	 tGSCConnection	 tGSCopy	 tGSDelete



# Simple Job Design

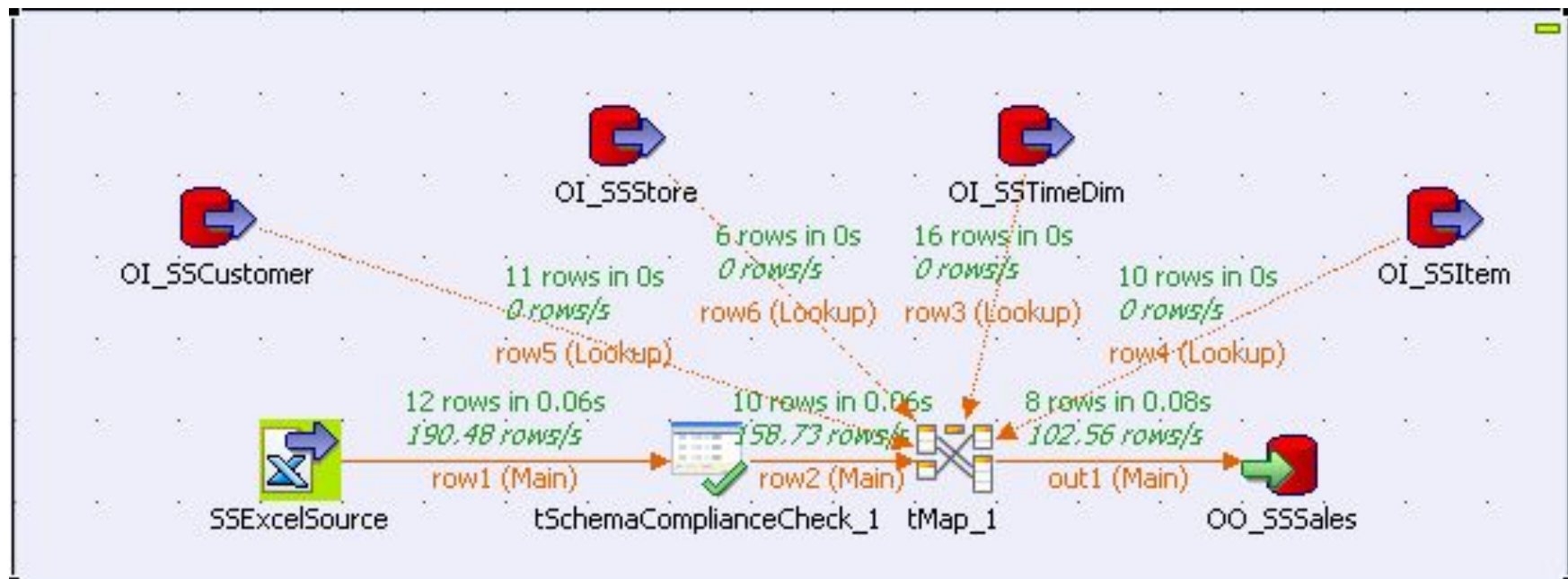


# Component Details

row1	
Column	
SaleUnits	
SalesDollar	
SaleCost	
CustID	
StoreID	
ItemID	
Day	
Month	
Year	
row2	
Unique match <input type="checkbox"/> Inner join	
Expr. key	Column
	TIMENO
row1.Day	TIMEDAY
row1.Month	TIMEMONTH
	TIMEQUARTER
row1.Year	TIMEYEAR
	TIMEDAYOFW...
	TIMEFISCALY...



# Job Execution Example



# Summary

- Prominent open source data integration tool
- Supports graphical specification of transformations, components, and job management
- Install and use Talend for more details



# Open Core Model

- Feature-limited core product under a standard open source
- Commercial versions with proprietary extensions
- Paid support services
- First commercial open source vendor
- Becoming widespread

