

1. Getting Started with Talend Studio

Important concepts in Talend Open Studio
for Data Integration Launching Talend Open
Studio for Data Integration
How to launch the Studio for the first time
How to set up a project
Working with different workspace directories
How to create a new workspace directory
Working with projects
Migration tasks
Debug and Job execution preferences
Designer preferences
Adding code by default
Performance preferences
Displaying special characters for schema columns
Job Settings
Stats & Logs
Context settings
Project Settings use
Status settings
Security settings

2. Designing a Data Integration Job

What is a Job design
Getting started with a basic Job design
How to create a Job
How to drop components to the workspace
How to search components in the Palette
How to connect components together
How to drop components in the
middle of a Row link How to
define component properties

How to run a Job
How to customize your workspace
Using connections
Connection types
How to define connection settings
Using the Metadata Manager
How to use the SQL Templates
Handling Jobs: advanced subjects
How to download/ upload Talend Community components How
to install external modules
How to launch a Job periodically
How to use the tPrejob and
tPostjob components How to
use the Use Output Stream
feature
Handling Jobs: miscellaneous subjects
How to add notes to a Job
design
How to display the code or the outline of your Job

3. Managing Data Integration Jobs

Activating/Deactivating a Job or a sub-job
Importing/exporting items or Jobs
How to import items
How to export Jobs to an archive
How to export items
How to change context parameters in Jobs
Managing repository items
How to handle updates in repository items
Searching a Job in the repository
Handling Job execution

4. Mapping Data Flows

tMap and tXMLMap interfaces

tMap operation

Setting the input flow in the Map Editor

Mapping variables

Using the expression editor

Mapping the Output setting Talend Open Studio

Setting schemas in the Map Editor

Solving memory

limitation issues in tMap

tXMLMap operation

5. Managing Metadata

Objectives

Setting up a DB connection

Setting up a File Delimited schema

Setting up an XML file schema

Setting up a File Excel schema

Setting up a Salesforce connection

Setting up an Azure connection

Setting up a SAP connection

6. Managing Routines

What are routines

Accessing the System Routines

Customizing the system routines

Managing user routines

How to create user routines

How to edit user routines

How to edit user routine libraries

Calling a routine from a Job

Use case: Creating a file for the current date

7. Component List

ETL Concepts

tsortrow

tunite

tuniquerow

tbufferinput

tbuffer output

thashinput

thashoutput

tfilelist

tsleep

tloop

file input output components

database input output components

tsendmail

trePLICATE

tfiltercolumns

tfilterrows

treplace

tconverttype

tdie

tcontextload

tmemorizerow

trowgenerator

trunjob

prejob

postjob

tsamplerows

tnormalize

tddenormalize

tmap
taggrigator
tjoin
tssystem
Dynamic
tjava
tjavarow
tjavaflex
tschemaconpliancecheck
tlogrow
tlogcatcher
tststcatcher
tparallelize
tsendmail
tfilecopy
tfilearchive
tfileProperties
tfileunarchive
tfiletouch
tfiledelete
tfileexist
tfiletouch
tfilecopy
toracleBulkexec toracleClose
toracleRollback toraclecommit
tDb2Input
tDb2row
tDb2outpt
tDb2connection tDb2Bulk
tDb2Bulkexec
tDb2Close
tDb2Rollback

tDb2commit
OnsubJobOK
OnSubjobError
OnComponentOk
OnComponentError
runif
tExcelInput
tExceloutput
tfileInputdelimited
tfileoutputDelimited
tfileInputXml
tfileoutputXml

8. Component List for Cloud

tAzureStorageConnection
tAzureStorageGet
tAzureStoragePut
tAzureAdlsGen2Input
tAzureAdlsGen2Output
tSalesforceConnection
tSalesforceInput
tSalesforceOutput