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

3. Managing Data Integration Jobs

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

tuniqerow

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

tdenormalize

tmap

taggrigator

tjoin

tsystem

Dynamic

tjava

tjavarow

tjavaflex

tschemacompliancecheck

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