|  |
| --- |
| , RD Dep. |
| BI.Talend\_Data\_Integration |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| REVISION HISTORY | | | | | |
| Ver. | Description of Change | Author | Date | Approved | |
| Name | Effective Date |
| 1 | Initial version | Sergey Moukavoztchik | 12/01/2018 |  |  |
| 2 | Minor updates | Sergey Moukavoztchik | 08/05/2018 |  |  |

Contents

[1. Preparation 3](#_Toc503770876)

[2. Tasks 3](#_Toc503770877)

[2.1. DB & ELT 3](#_Toc503770878)

[2.2. Internet components 3](#_Toc503770879)

# Preparation

1. Download and unarchive Talend Open Studio for Data Integration.
2. Create project
3. Created jobs and other repository elements should be Exported and pushed to separate repo at github.
4. Link to the repo need to be added to google sheet https://docs.google.com/spreadsheets/d/1PaA-xGj1087e0Uzd5vstPeCj8e198EyUO2j-3s\_9DK4/edit?usp=sharing
5. Optionally you can add text document with a description of your jobs.

# Tasks

## DB & ELT

1. Load four files from input folder to the database.
2. Split orders.Location to 3 columns (country, region, sub\_region). Substitute country by country\_key.
3. Build a new orders table with new fields and with discounts applied. Unload this final table to a file
4. Calculate total revenue with brakedown by Region and by Region/Sub-region. Save it to Excel spreadsheet.

## Internet components

1. Query any open REST service from an internet at your choice store data to a file.