Databases:

* Source db:
  + AdventureWorks2016\_us - sql server - backup AdventureWorks2016\_us.bak
  + AdventureWorks2016\_eu - mysql
  + AdventureWorks2016\_au - postgresql
  + AdventureWorks2016\_ca - oracle
* Target db:
  + AdventureWorksDW\_neu: MySQL for Talend Target
  + AdventureWorksDW\_neu: SQL Server for SSIS Target
* SQL Scripts
  + AdventureWorksDW2014 Purchasing DW - 2018-03-01 sql server.sql
  + AdventureWorksDW2014 Purchasing DW - 2018-03-01 mysql.sql

Objectives:

* Load tables in target db that will contain data on:

|  |  |  |
| --- | --- | --- |
| TABLE\_CATALOG | TABLE\_NAME | Comments |
| AdventureWorksDW\_neu | DimStore |  |
| AdventureWorksDW\_neu | DimCustomerPerson |  |
| AdventureWorksDW\_neu | DimCurrency |  |
| AdventureWorksDW\_neu | DimPromotion |  |
| AdventureWorksDW\_neu | FactInternetSales |  |
| AdventureWorksDW\_neu | FactStoreSales |  |
| AdventureWorksDW\_neu | DimSalesTerritory |  |
| AdventureWorksDW\_neu | FactInternetSales\_Rejects |  |
| AdventureWorksDW\_neu | DimGeography |  |
| AdventureWorksDW\_neu | FactStoreSales\_Rejects |  |
| AdventureWorksDW\_neu | DimDate |  |
| AdventureWorksDW\_neu | DimProducts\_Purchased | only products that are purchased from vendors |
| AdventureWorksDW\_neu | DimVendors |  |
| AdventureWorksDW\_neu | DimShipMethod |  |
| AdventureWorksDW\_neu | DimProductVendor |  |
| AdventureWorksDW\_neu | DimEmployee |  |
| AdventureWorksDW\_neu | DimPayHistory |  |
| AdventureWorksDW\_neu | DimVendorContacts |  |
| AdventureWorksDW\_neu | FactPurchases | Purchase Orders |
| AdventureWorksDW\_neu | FactPurchases\_Rejects |  |
| AdventureWorksDW\_neu | DimLocation |  |
| AdventureWorksDW\_neu | DimScrapReason |  |
| AdventureWorksDW\_neu | Fact\_WorkOrder |  |
| AdventureWorksDW\_neu | Fact\_WorkOrderRouting |  |
| AdventureWorksDW\_neu | Fact\_WorkOrder\_Rejects |  |
| AdventureWorksDW\_neu | Fact\_WorkOrderRouting\_Rejects |  |
| AdventureWorksDW\_neu | DimProductsAll |  |

Note:

* Assume SCD Type 1 and only get current rows related to employees & employee-related data
* Cannot use AdventureWorksDW2014 for any data except DimDate
* Cannot use any views, stored procedures or functions from AdventureWorks2016

Submit:

* Schema, List of Tables, Row Counts – in spreadsheet or table
* Screen capture of success run of Talend & SSIS jobs with row counts
* Upload Talend & SSIS jobs
* BI Queries & results (SQL queries is fine, can use BI tools but NOT graded on BI)
  + Ranked order of Vendors by purchase amount $
  + Ranked order of products by amount $
    - By category
    - By subcategory
    - By product model (top 20)
    - By product (top 20)
  + Ranked list of employees purchasing products amount $
  + List of employees who purchased products with phone, email & address
  + List of purchasing contacts with vendor name, phone, email & address