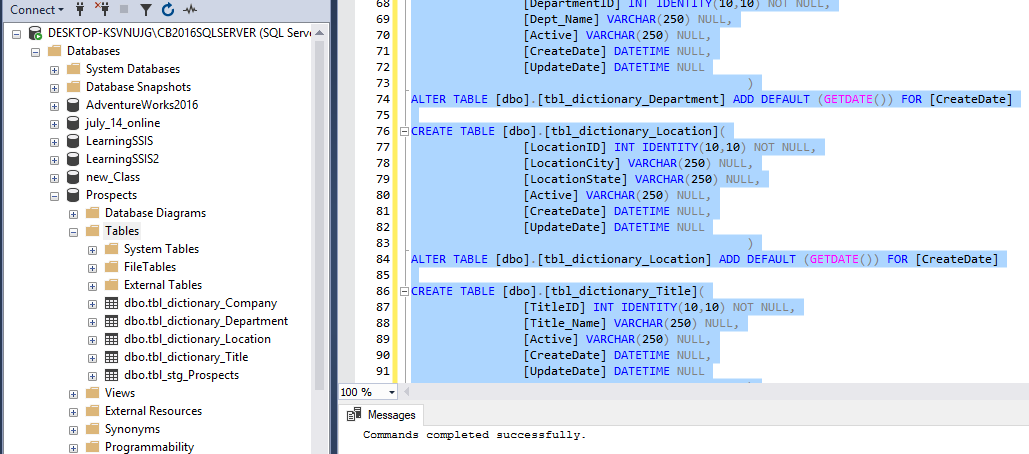
Name: Ngala Dirane

Section: Auditing and Error Handling

Date: 16/20/2018

1. Create dictionary tables in Prospects database for Title, Department, Company and Location – (Project document)

Figure : Creating Tables



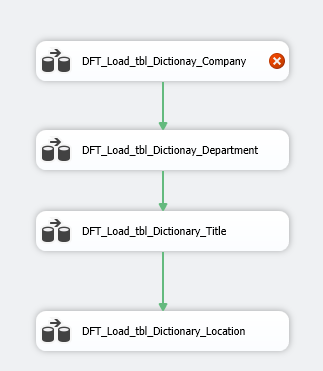
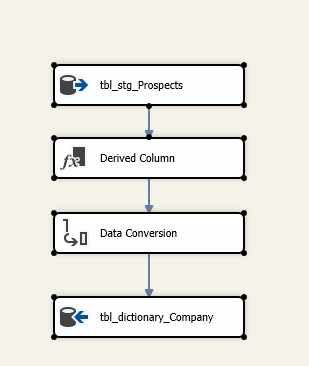
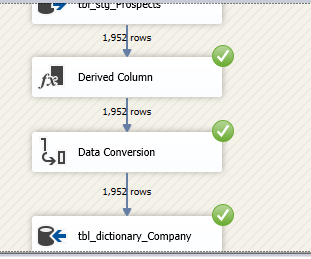
1. Create a SSIS package ***Load\_Prospects\_Dictionaries.dtsx*** to load the dictionary table (make sure to lookup for records and insert/update accordingly the dictionary table)

Figure : Package created with four Data flow tasks

Figure 3: Populating Company table by configuring source and destination



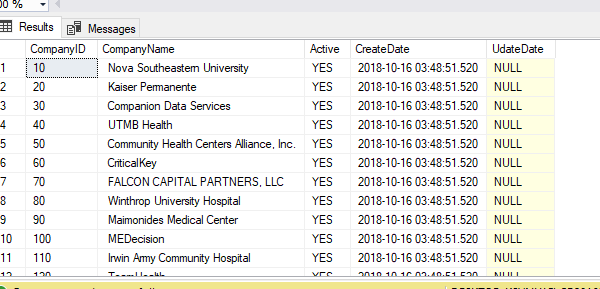
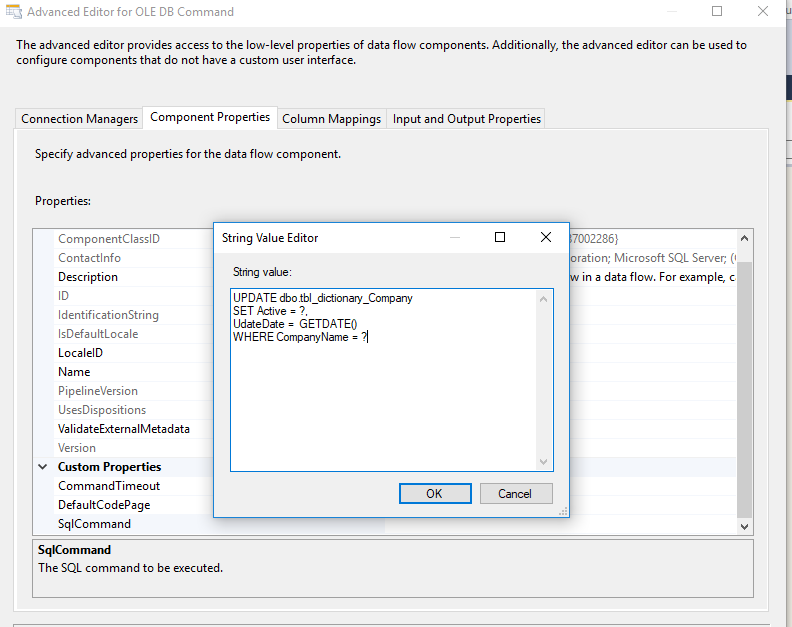


Figure : Company table populated on Insert

Figure : Configuration Of Lookup for dictionary\_Company table



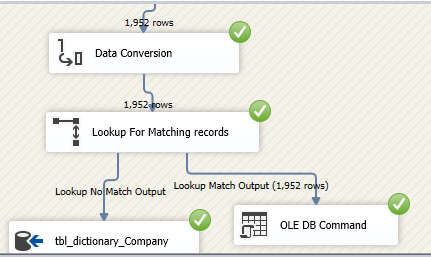
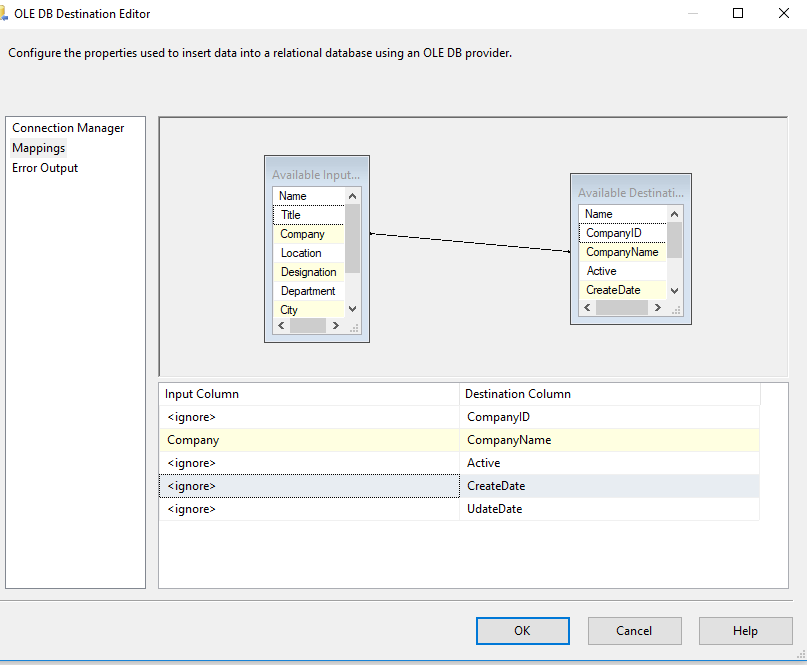
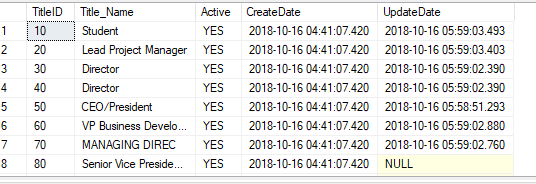
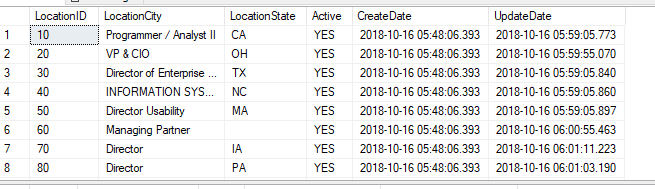
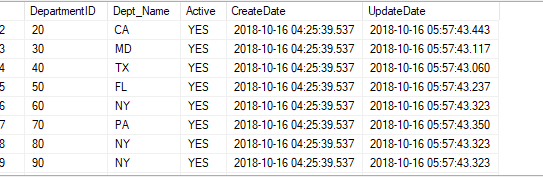
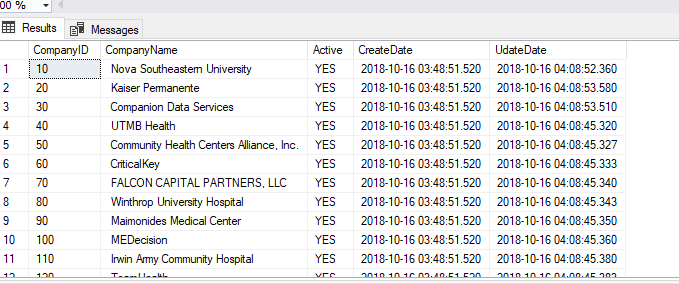


Figure : Mapping Input to output columns for dictionary\_company

Figure : Images showeing data for all the four tables with Active column set, On Insert and Update Date



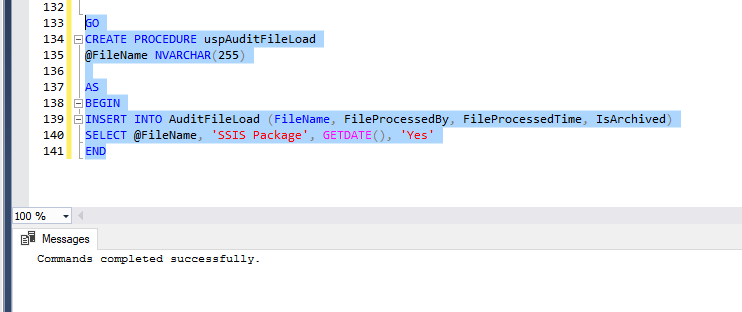
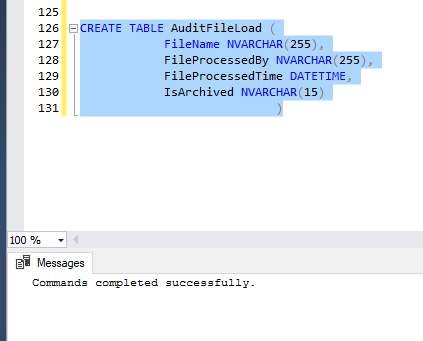
1. Create the audit table to log file load process – (Project document)

Figure : Store Procedure

Figure : Creating the audit file load table

Figure : Configuration of the execution of Stored procedure

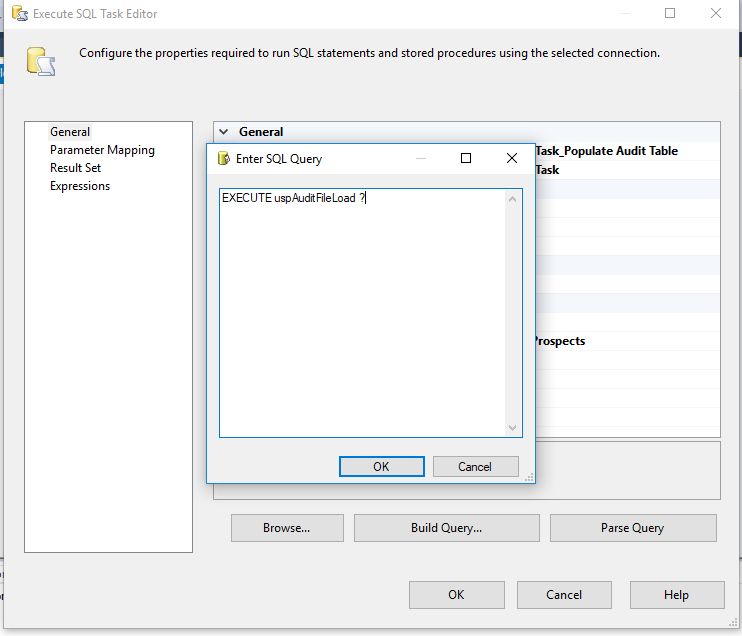
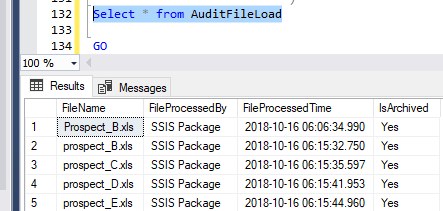


Figure : Result after audit file load



1. Modify ***Load\_Prospects\_Staging.dtsx*** to include the following
   1. Move the rejected files to the error folder

Figure : Configuring table for bad files

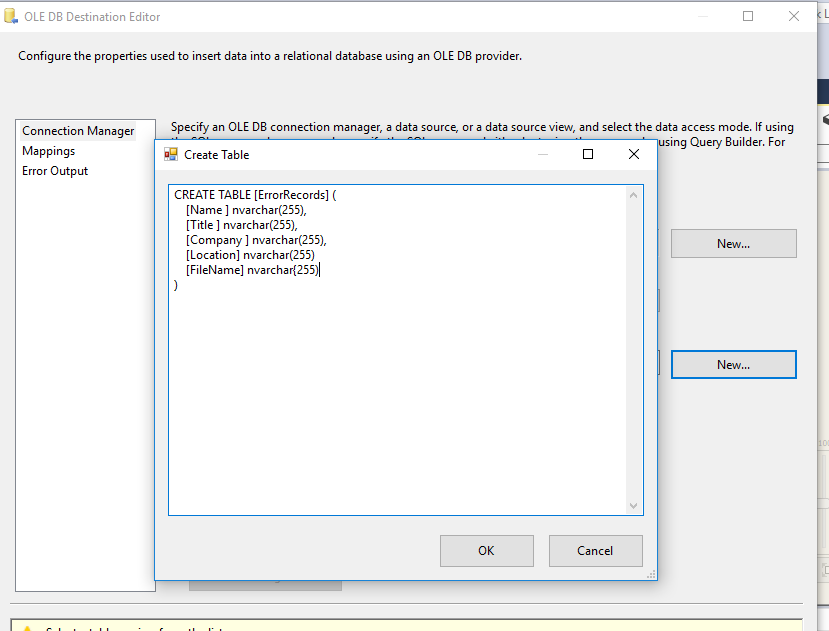


Figure : Successful run of file separation into good and bad files using multicast to different destinations

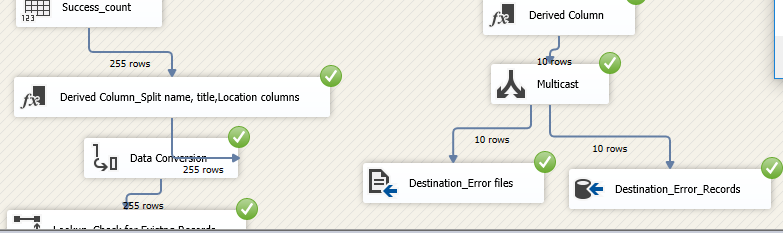


Figure : Content of error folder

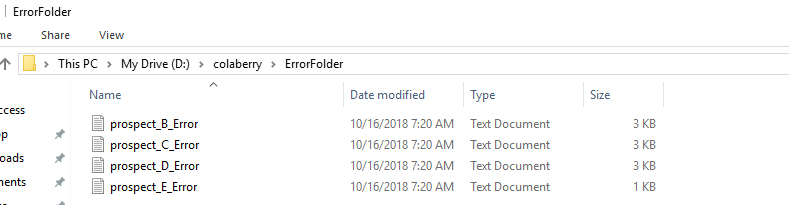


Figure : List showing the variables used for this lab

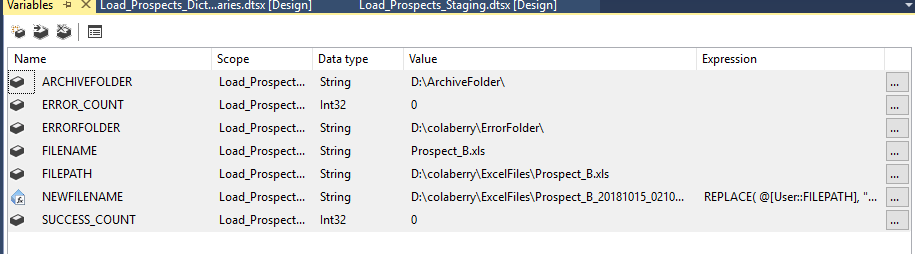


Figure : Configuring Script Task to implement count of good and bad files

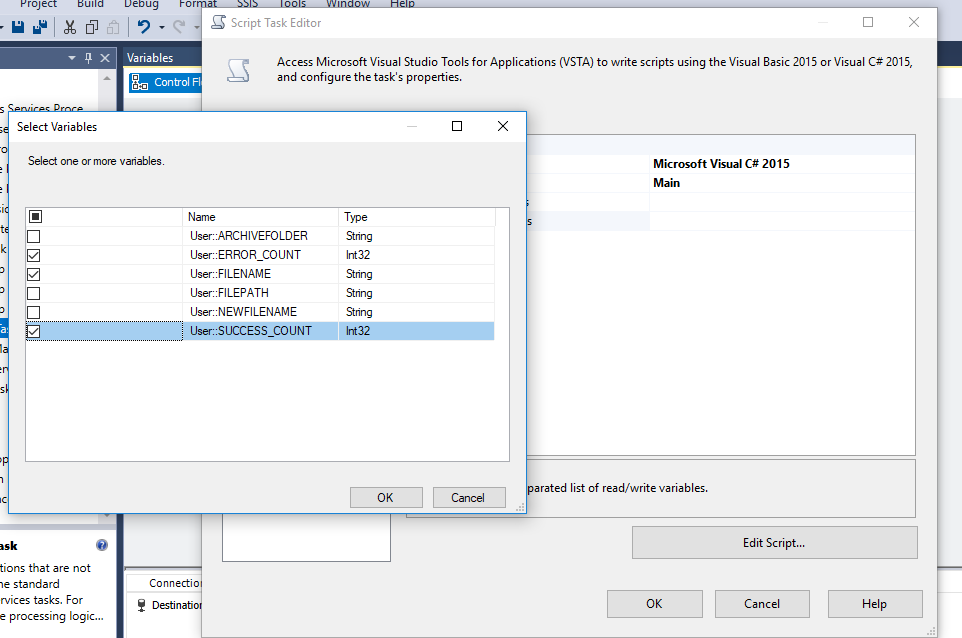


Figure : Code to display count figures for good and bad files

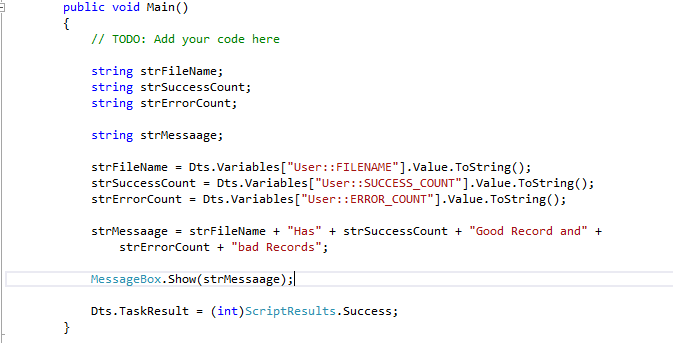
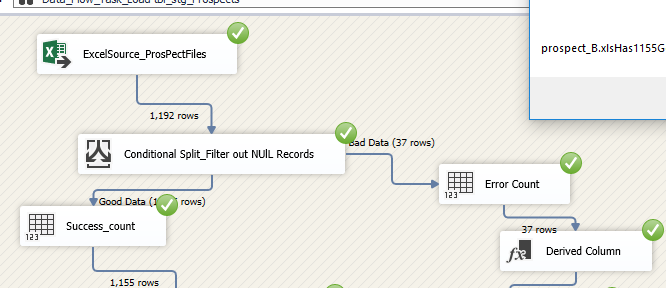


Figure : Display message for count files



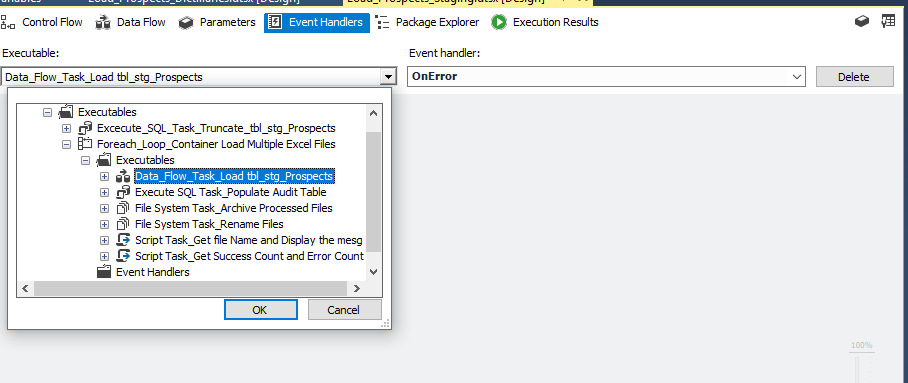


Figure : Implementing Event Handling

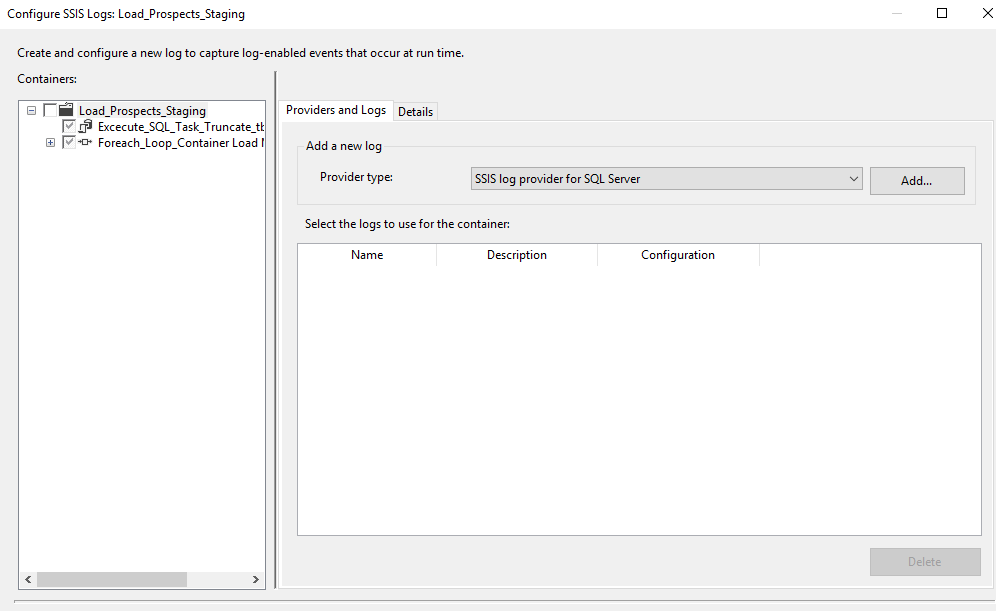


Figure : Logging

Figure : Log file

