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| **XLC Loader** |
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| **User Guide** |
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| Created by: Asim |
| Updated by: |
| Last updated: 07-Jul-2017 |

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| --- | --- | --- | --- | --- |
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| 1.00 | 7-Jul-2017 | Asim Naeem | C.K. | Initial Creation |
| 2.00 | 12-Jul-2017 | Asim Naeem |  | Step-by-step operations |

Table of Contents

[Introduction 3](#_Toc487646937)

[Getting started 3](#_Toc487646938)

[System Requirements 3](#_Toc487646939)

[Installation 3](#_Toc487646940)

[Configuration 3](#_Toc487646941)

[Template 4](#_Toc487646942)

[Creation 4](#_Toc487646943)

[Mapping 8](#_Toc487646944)

[Execution – Processing 11](#_Toc487646945)

# Introduction

XLC Loader is an application to process CSV files and dump the data into the database accordingly. Multiple instances can be invoked for this application which executes and process files in-parallel.

# Getting started

## System Requirements

Microsoft .Net Framework 4.5

## Installation

Please follow these steps to install the application on the machine.

* Download the setup file from FTP location.
  + <ftp://172.21.12.166/XLC/>
* Execute the setup file to start install shield for installation processes.
* Follow the instructions and install the application.

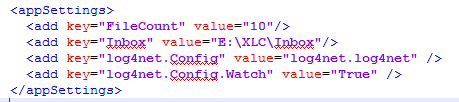
## Configuration

After Installation is finished, please find the configuration file WD.XLC.WIN.EXE.config in installation folder, and make the appropriate changes.

* ConnectionStrings



* + Please create or modify the connection string setting and put the appropriate connection of database where XLC data needs to be inserted. By default the application will read the connection string with name “DefaultConnection”.
* AppSettings



* + FileCount is the integer value which represents the number of files processed by application simultaneously.
  + Inbox is the main repository of files to be processed. Set the value as absolute path of inbox folder. The application will move files from Inbox folder to its working folder for further processing.
  + Log4net.Config is the configuration file name for Log4Net.

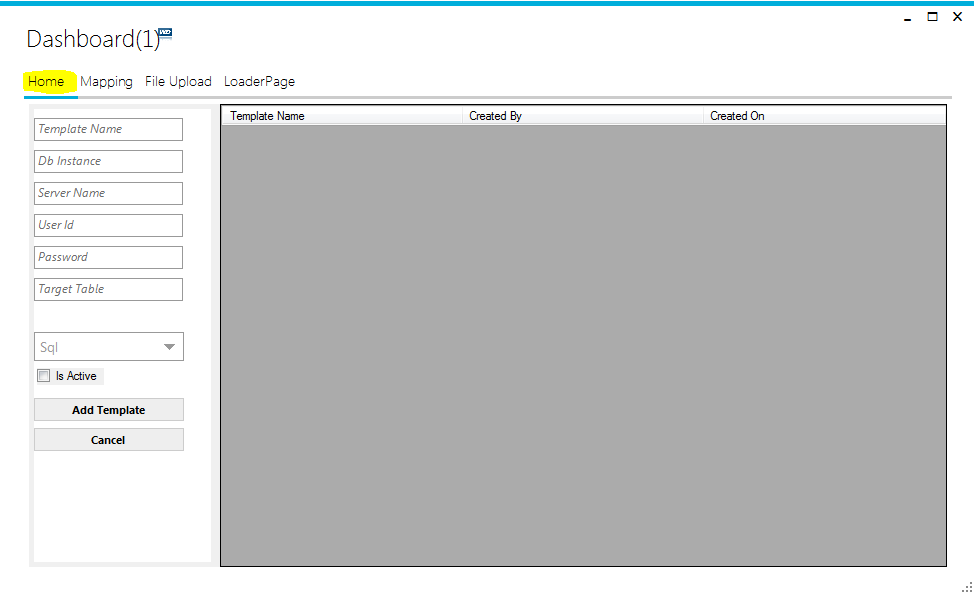
# Template

Templates are the mapping between raw data of CSV files and database structures. It provides information of each value, its target column in particular table, datatype and unique value constraint.

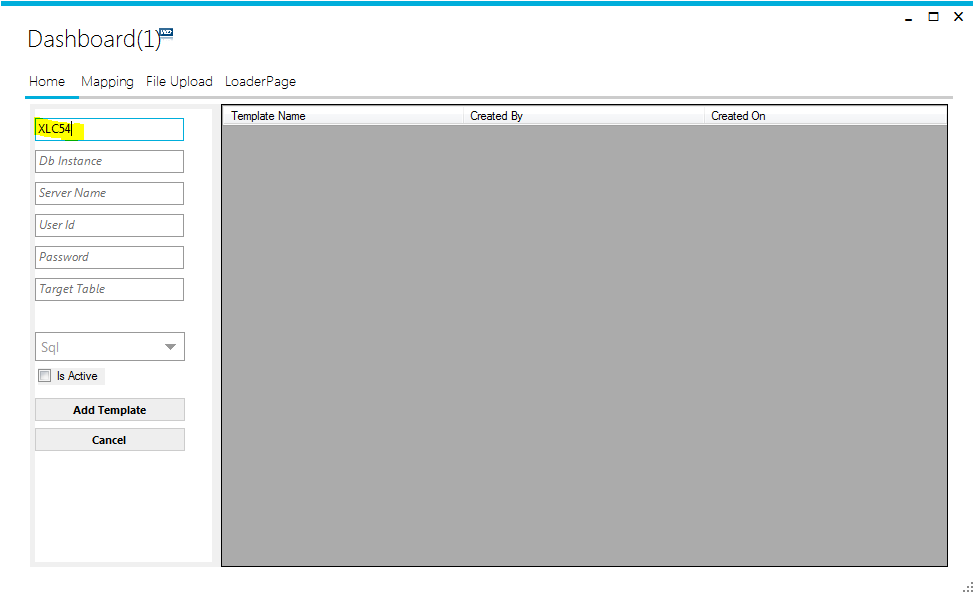
## Creation

Please follow these steps to create a new template.

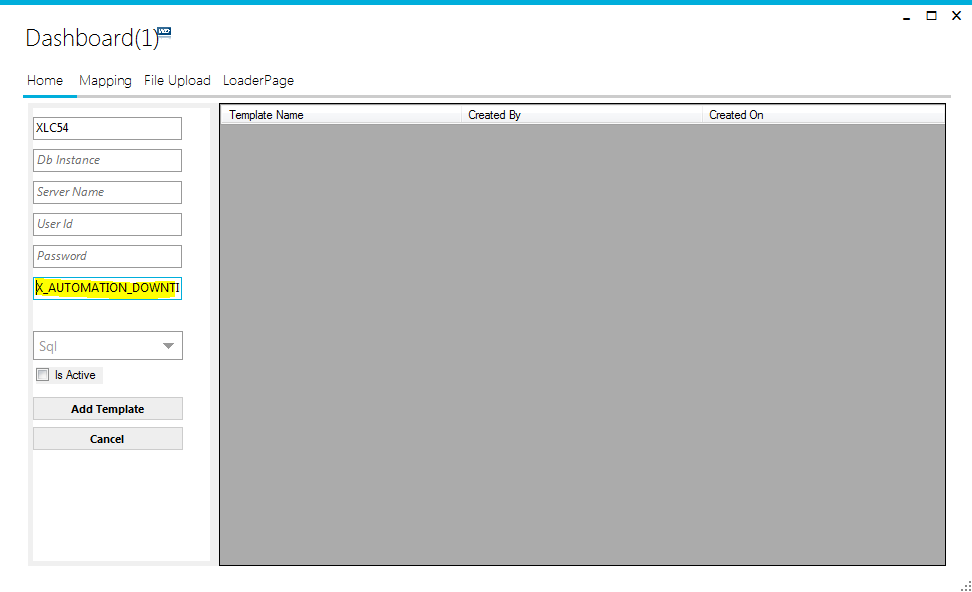
* Execute the application and choose the first tab “Home”.



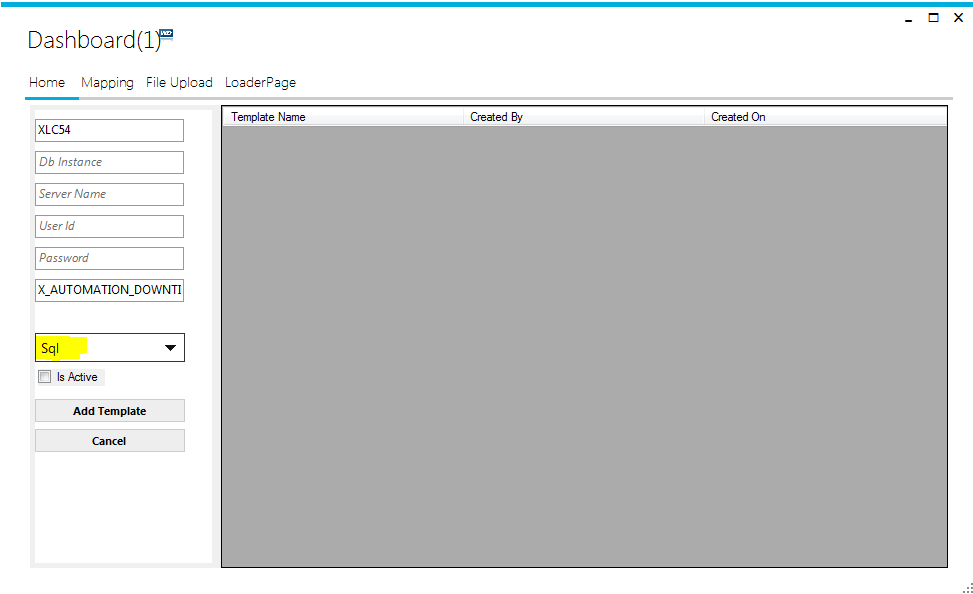
* On left hand side, there is an entry form to create new template.
* Enter a unique “Template Name” as Rec\_Id in CSV files.



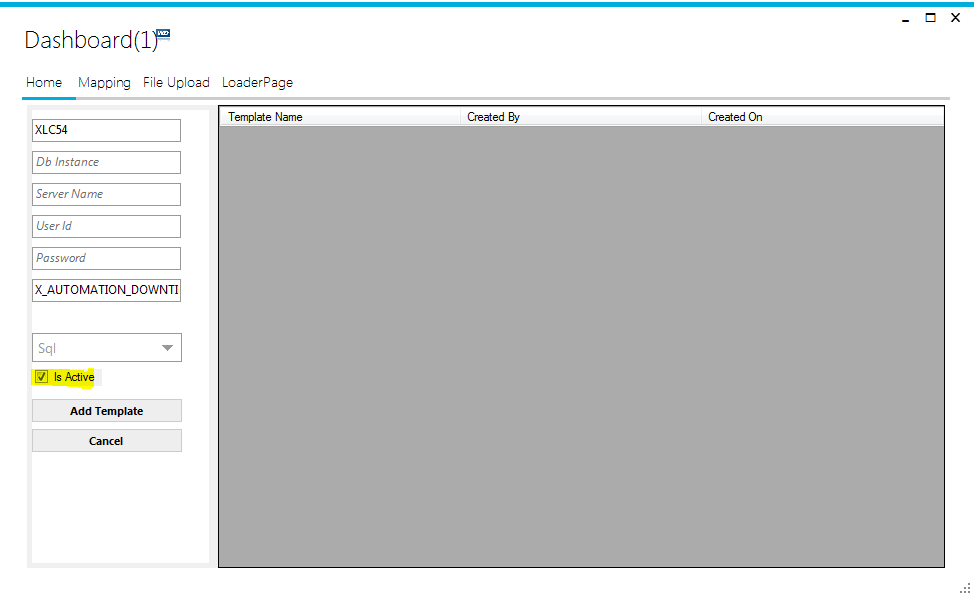
* Enter the target table name of database.



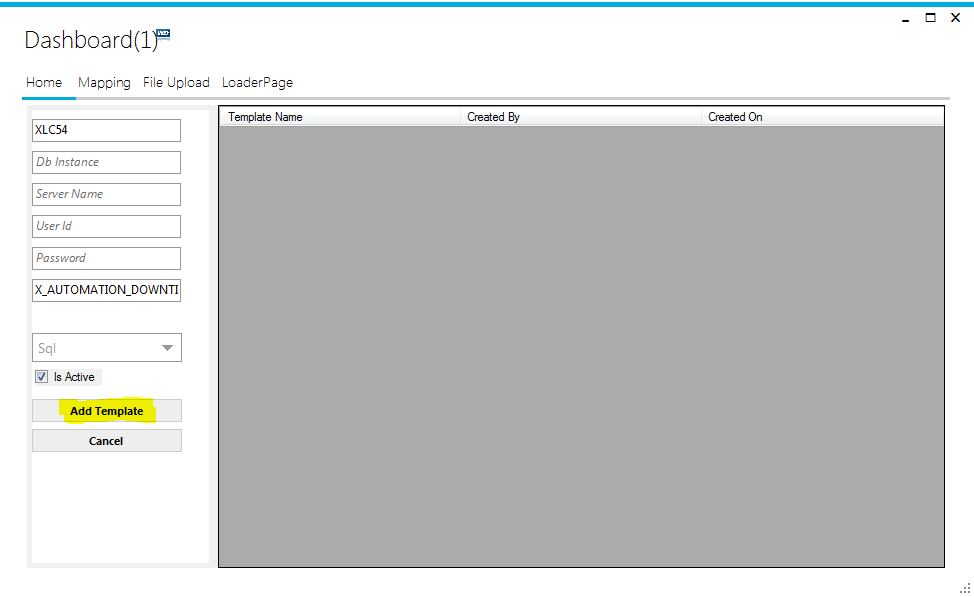
* Select the database server type from drop-down list.



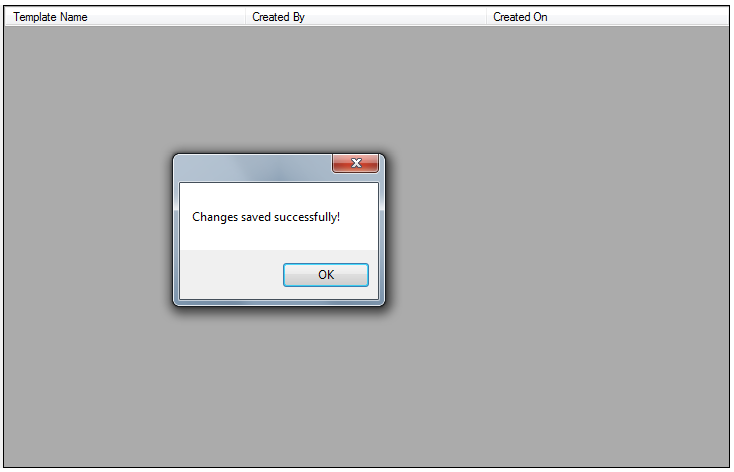
* Make sure the “Is Active” option must be checked.

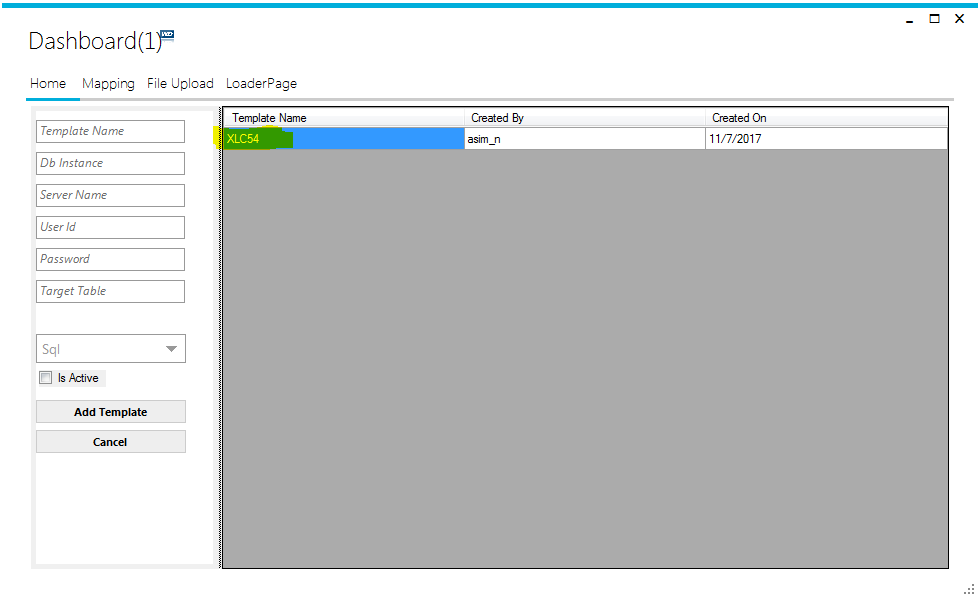


* Click on the “Add Template” button.

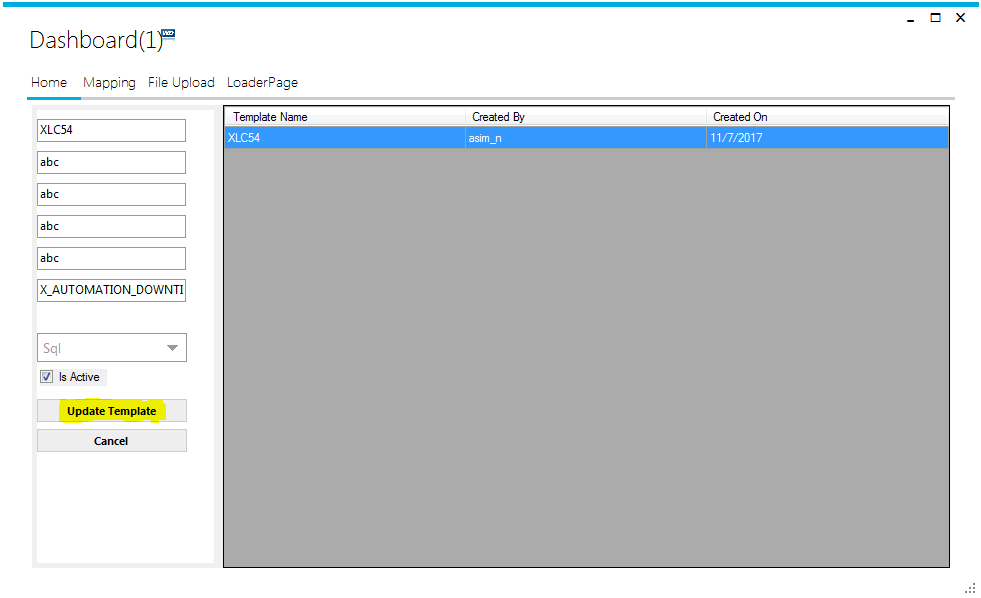


* On successful operation, the newly created template can be seen in the template list.



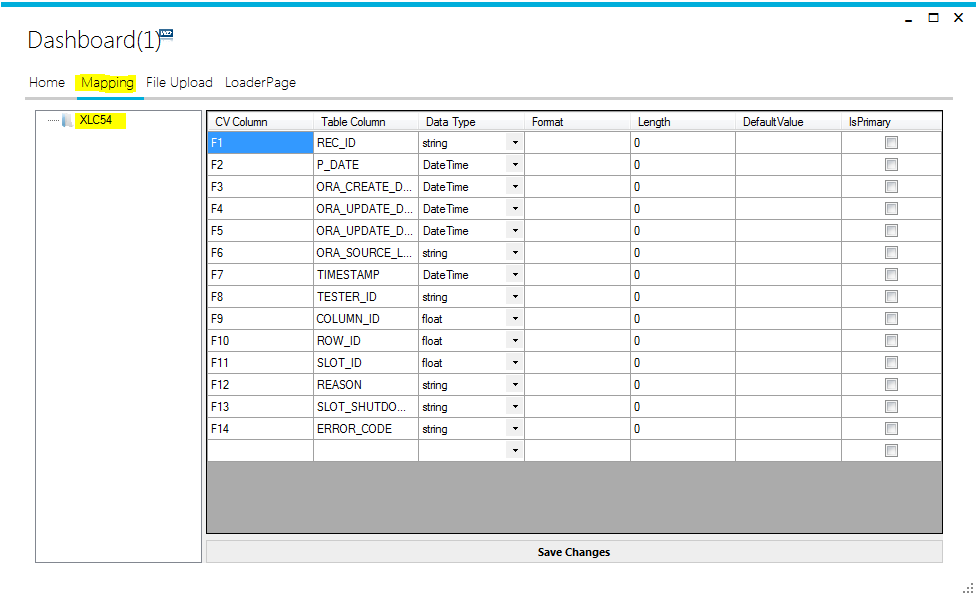


In case we need to edit the information of template, double click on the template node in the list and it will be populated in the form.



## Mapping

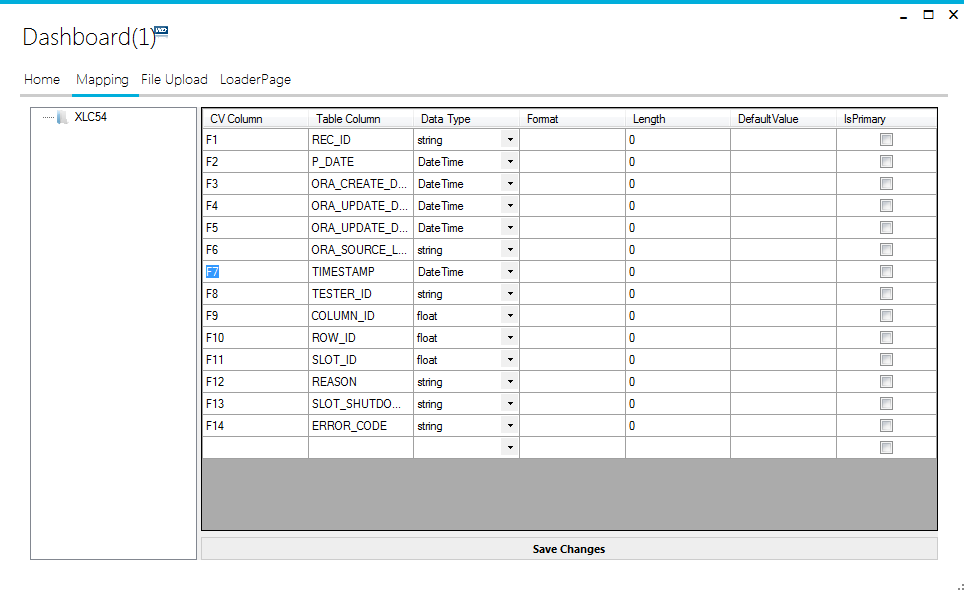
The second tab “Mapping” of the application is to map table columns to CSV values. By default it loads all columns of the associated table for the selected template.

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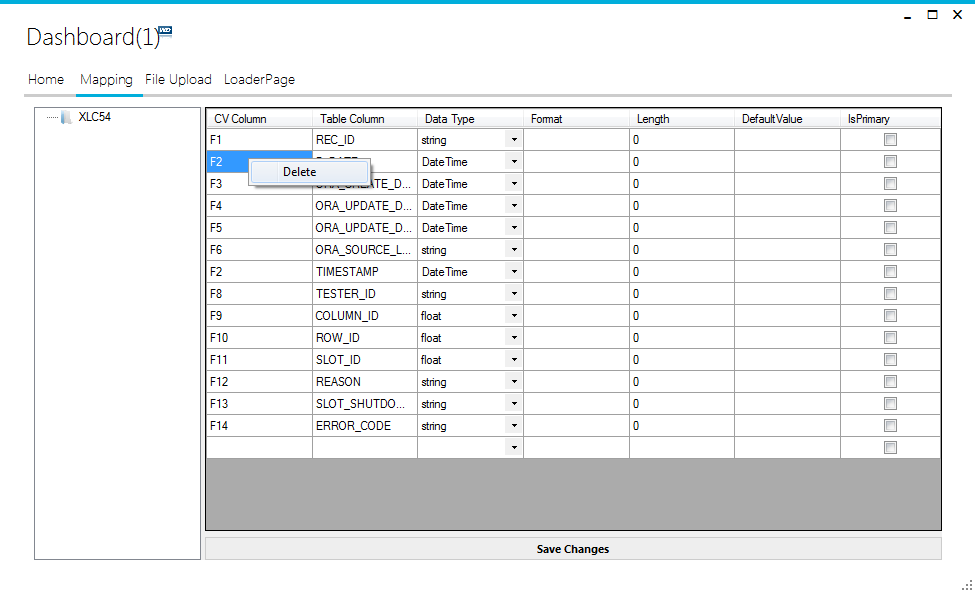
* First Column is the order of values in CSV file been read by application.
* Second column tis the column name of associated table. That column is attached to that particular value of CSV file.
* Third Column is to define the data type of the values.
* Forth column is to define the format of the value read from CSV file. This setting is useful for reading DateTime values.
* Fifth column is to define the character length of the value to be inserted in the database. It is particularly useful for columns with string datatype.
* The sixth column is to define the default value if any. This value will be inserted into database in case if there is not value exist in CSV file for this column.
* Seventh column is to set if the column has primary key or part of unique key index in database.

To map the database columns and CSV values follow these steps:

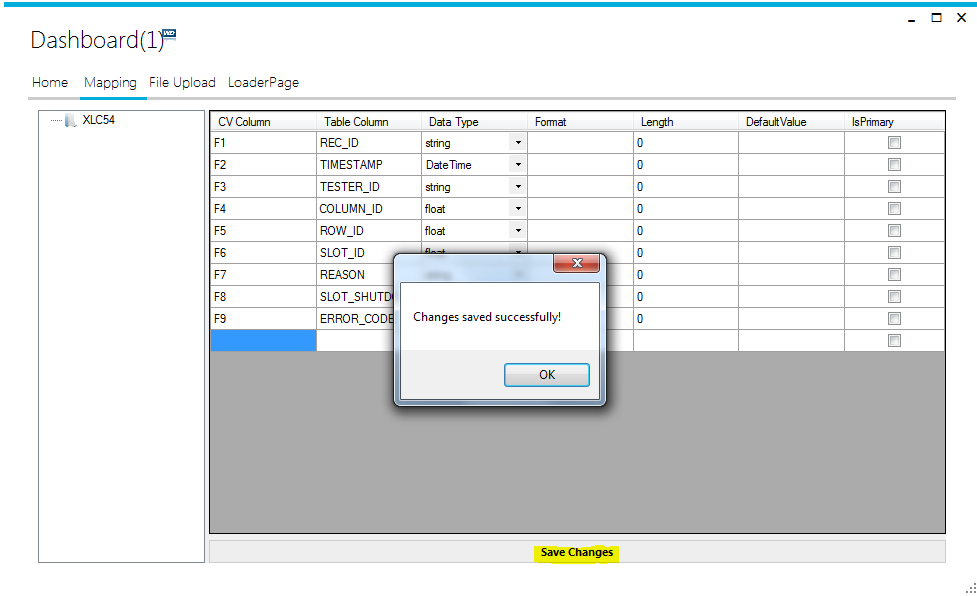
* To edit value in any cell of grid
  + Double click in the target cell,
  + Change the value
  + Press enter



* To delete a row from grid
  + Right click on the row and select “Delete”.
  + Make sure the row must be selected before.



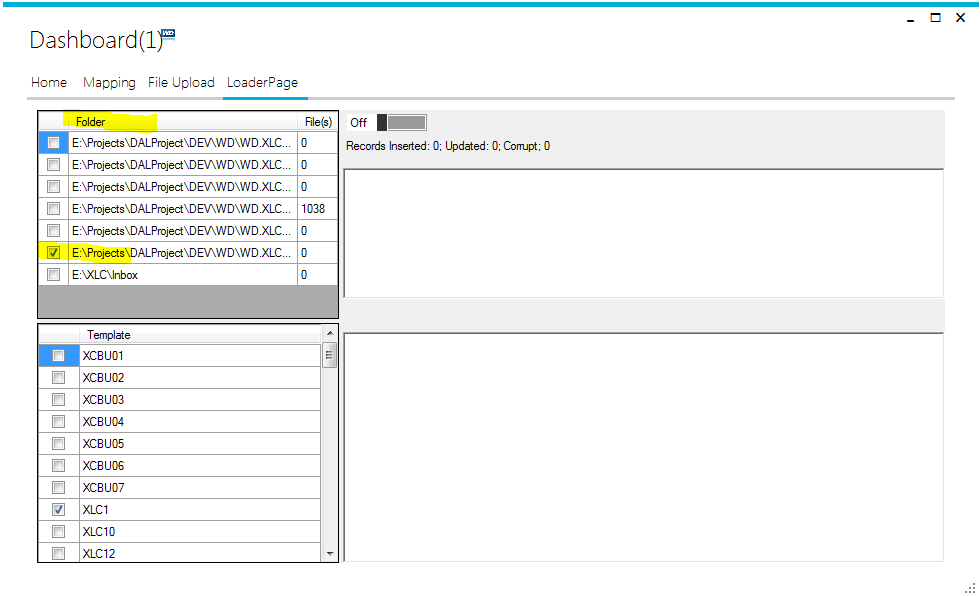
* After defining all information, click on “Save Changes” button to save the changes permanently for selected template.



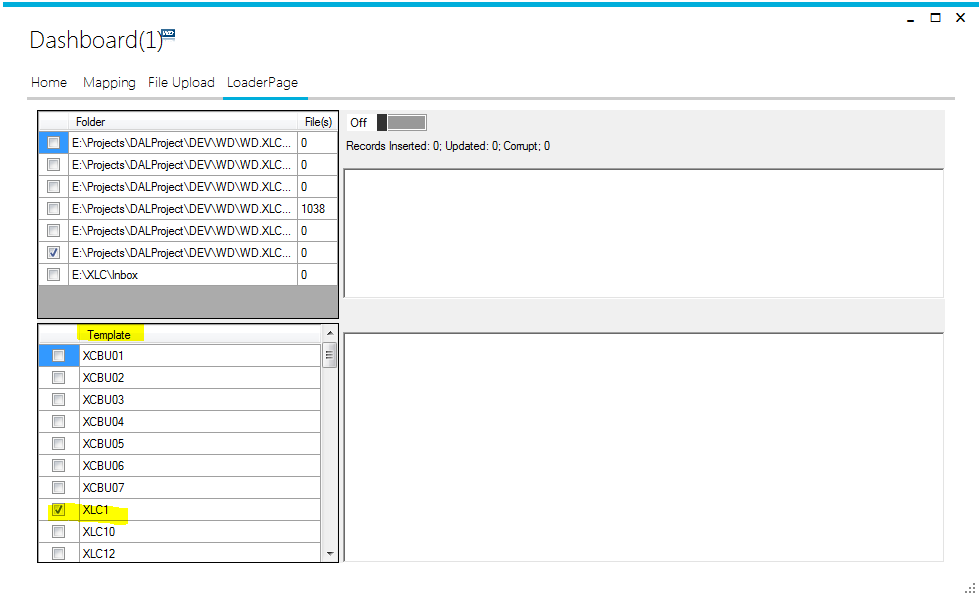
# Execution – Processing

The forth tab “LoaderPage” of the application is to process the files and see the results while application is processing files.

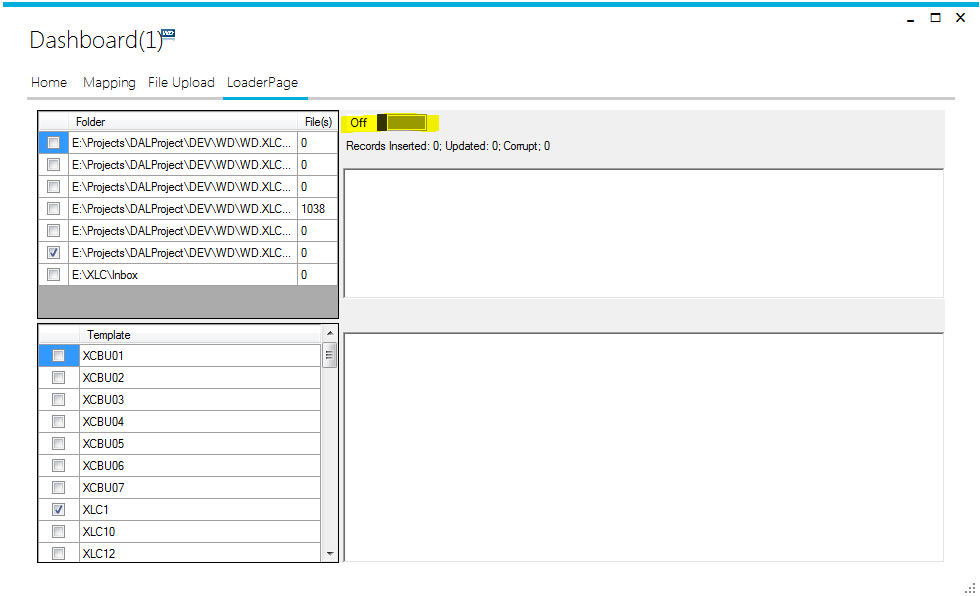
* Select the “Working” folder path from the folder list available at top left Hand side.



* Select the template(s) to be processed during the execution, from the template list available at bottom-left corner.



* After appropriate selections, click on the switch button to turn-on the file processing.



* During the processing of files, the application shows the statistical results e.g
  + Date & Time when processing starts
  + Current Date & Time
  + Number of rows inserted into the database
  + Number of files processed
  + Number of “Bad” records
* The processing can be stop at any time by turning off the switch button.