# How To Guide

# Ad-hoc Data Importation

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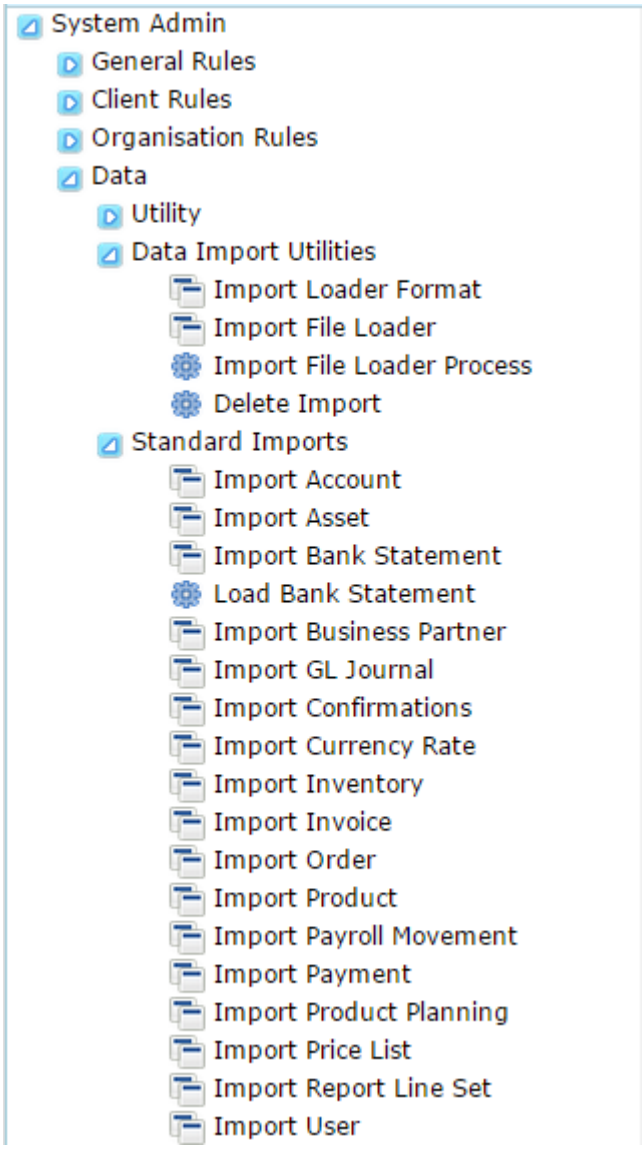
# 1 Overview

## 1.1 ADempiere standard imports

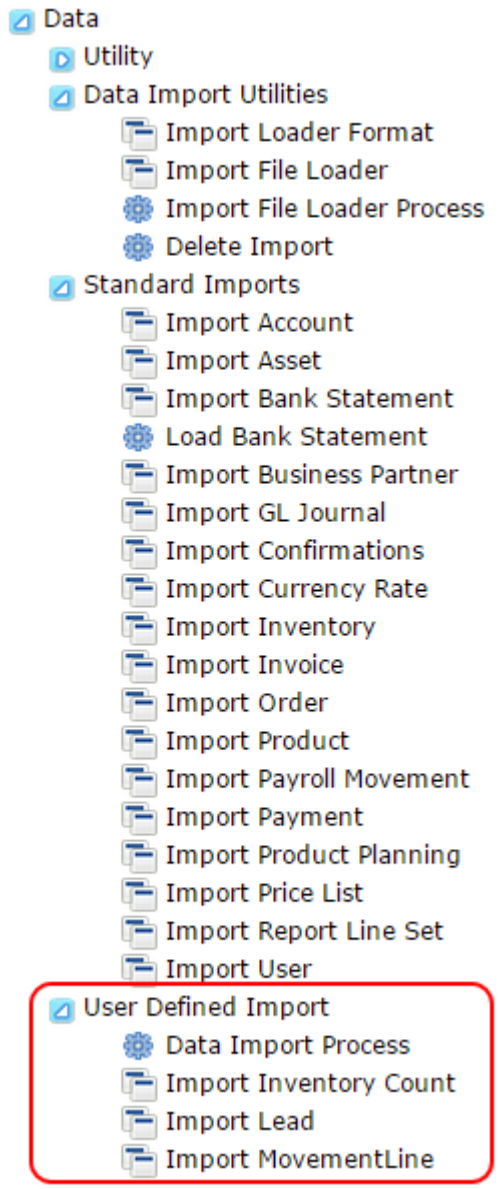
ADempiere provdes a number of importers as standard. These are visible in the menu as shown below:



The standard importers mainly deal with importing from flat files and updating multiple linked tables and enforcing the referential integrity constraints in the database.

## 1.2 ADempiere Ad-hoc Importers

The capability to import additional data into a single table has been added. See the last 3 items below in the red box.



The usage of the standard importers is covered in another Adaxa HowTo guide available from the Adaxa website.

This document details the usage of the additional importers and shows step-by-step the process to load data into ADempiere tables using Adaxa's generic data import functionality.

# 2 Import Staging Tables

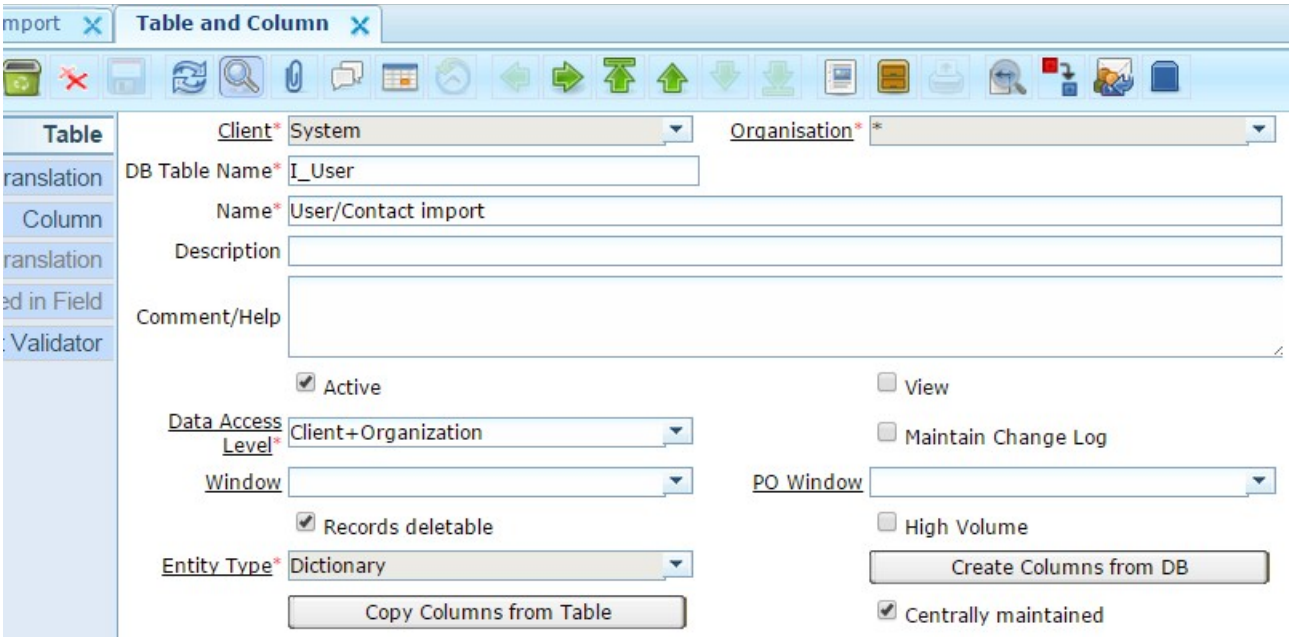
## 2.1 Import Staging Table Setup

To import data into Adempiere first create a staging table to capture the data from the external data source such as a spreadsheet saved as a CSV file.

While logged in as System Administrator, add a new Import Table if necessary or re-use an existing 'I_<something>' table and add extra columns to it if necessary. Creating a new table or adding columns to an existing table can be done in the ADempiere Dictionary and exported to the database by clicking the . If you need a new table you will probably be able to copy from some existing table and just make changes and upload to the database by clicking the 'Synchronise Column' button.

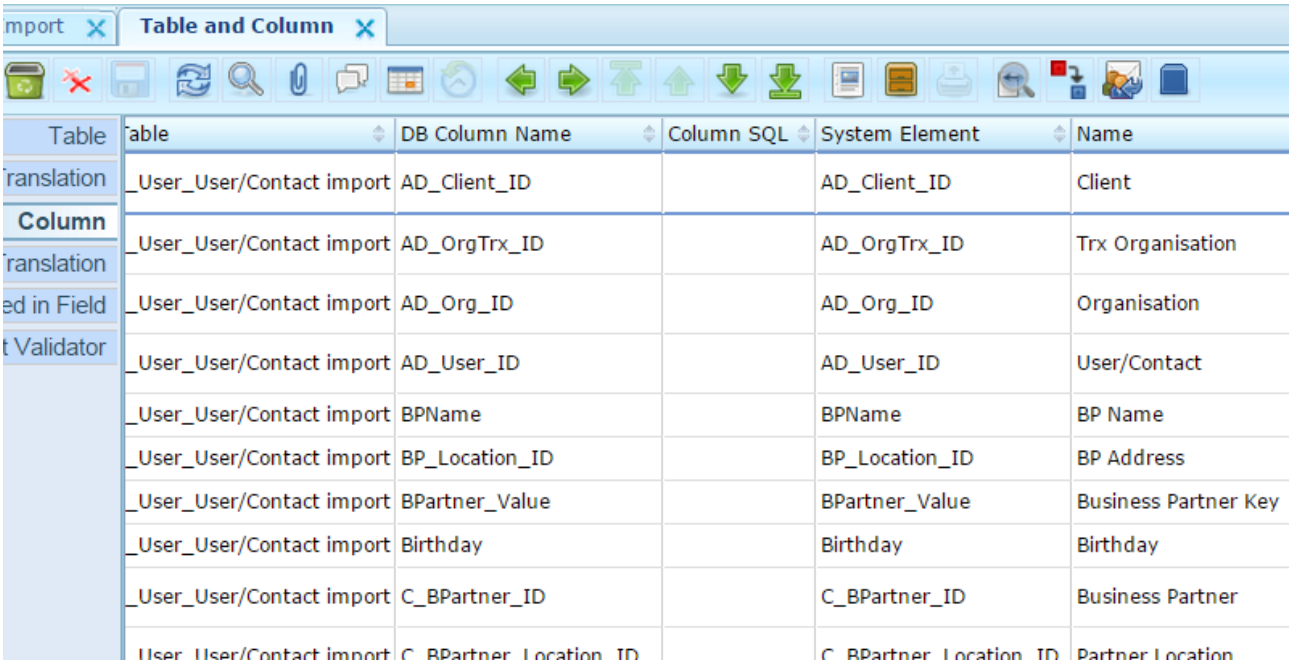
## 2.2 Add/Extend an Import Staging Table

Refer to the screenshot below



## 2.3 Add Columns to Import Staging Table

Refer to the screenshot below




## 2.4 Create/Update Window

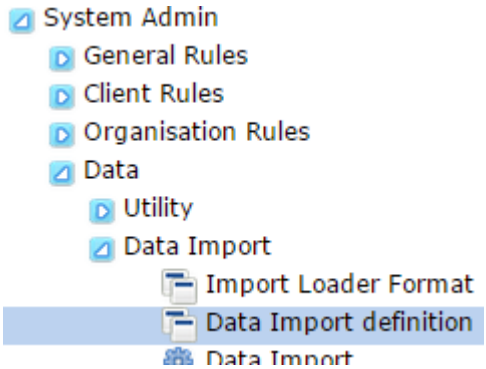
Create or Update the window needed to display the contents of the import staging table. To create a new window, add a new record in the 'Window Tab and Field' window and click the 'Create Fields' button on the window 'Tab' record.

If it is an existing window and you have added columns to the database table then click the 'Create Fields' button on the window 'Tab' record to pick up the new fields. Reorganise the fields if desirable.

# 3 Data Import Definition

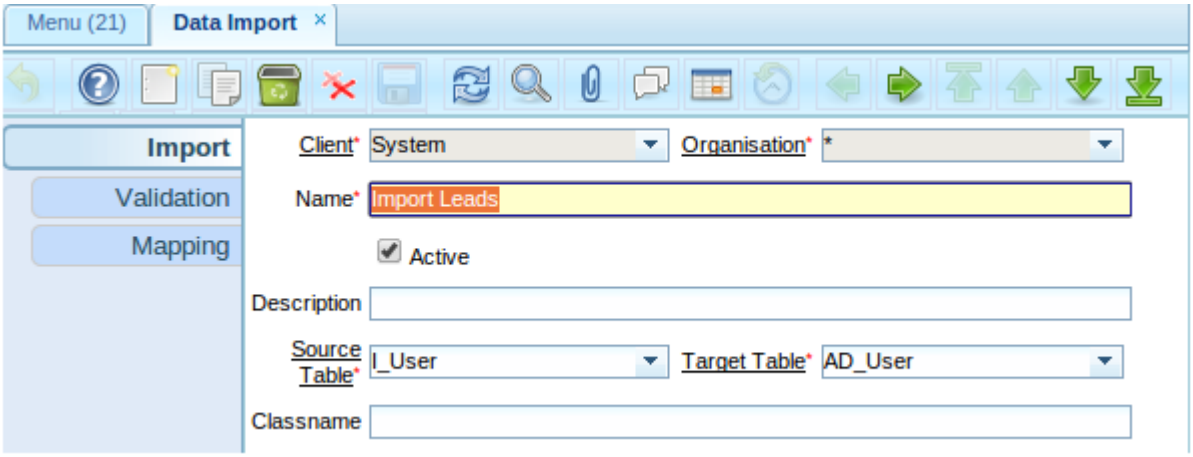
## 3.1 The Data Import Definition

The Data Import Definition defines the mapping between the temporary Import Staging Table and the final ADempiere table to be populated or updated.

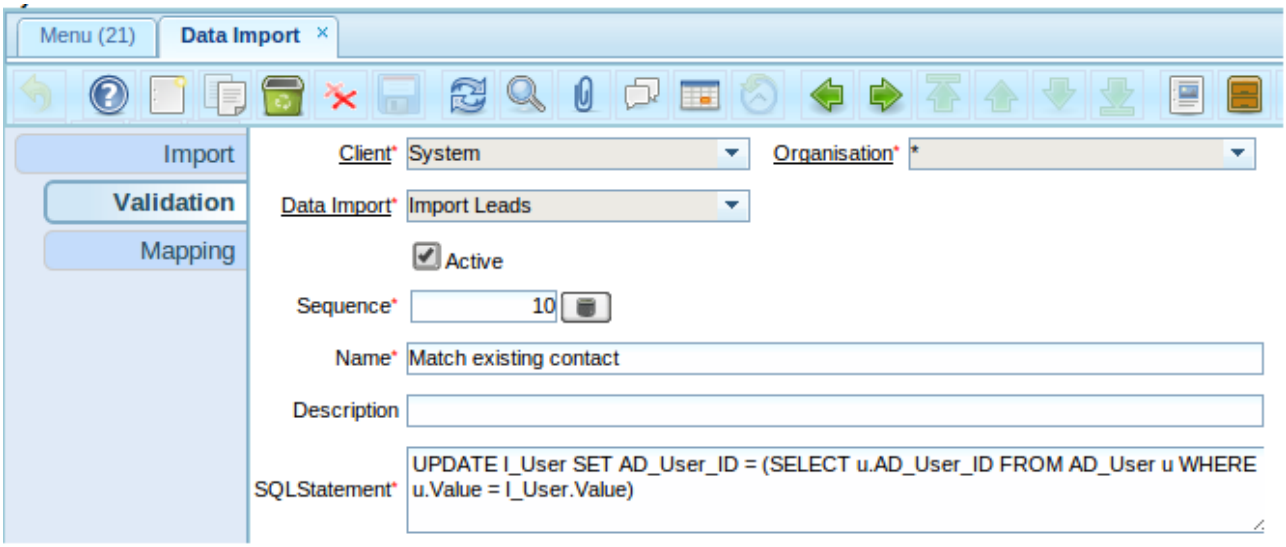



(When a Data Inport Definition has been defined it will later become visible in the dropdown in the Data Import process).

## 3.2 Specify the Source and Target Tables



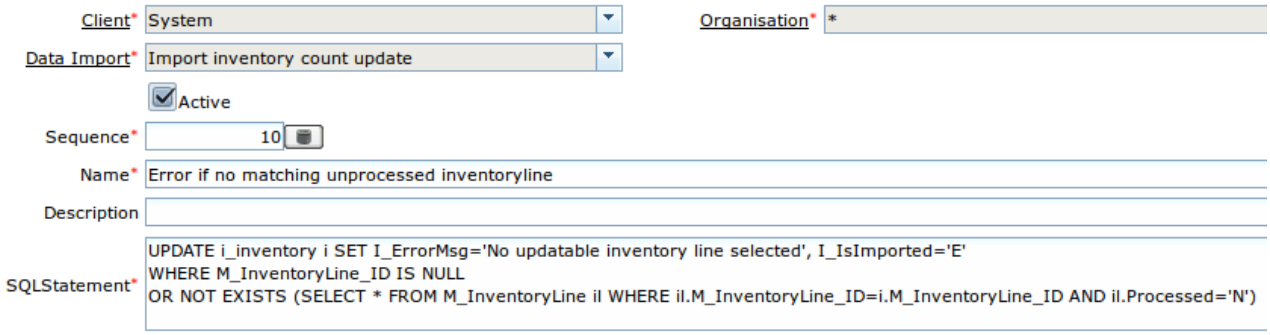
## 3.3 Define Validation rules



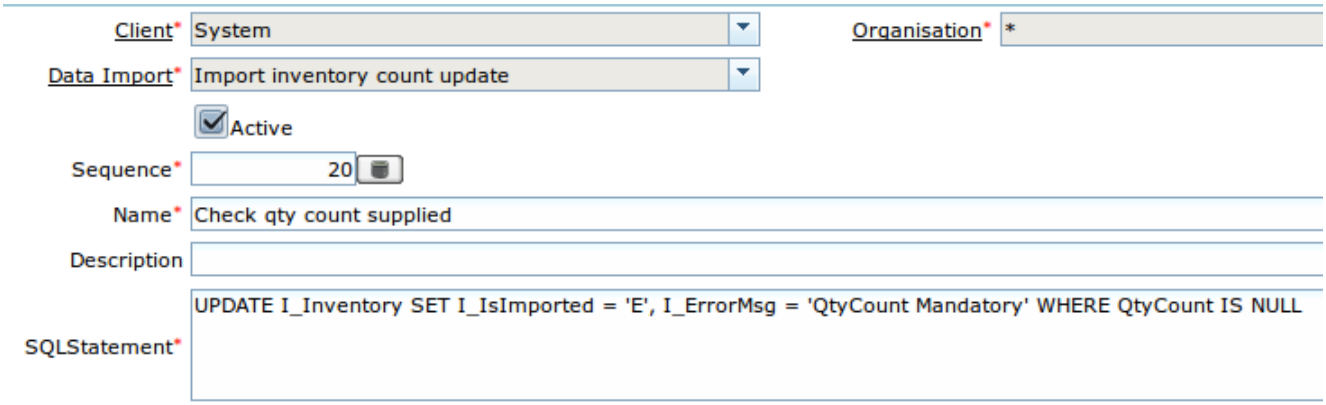

## 3.4 Validation Error Definition

Note that the system will allow multiple Validation records in a single import definition and the Validation step can generate error messages.

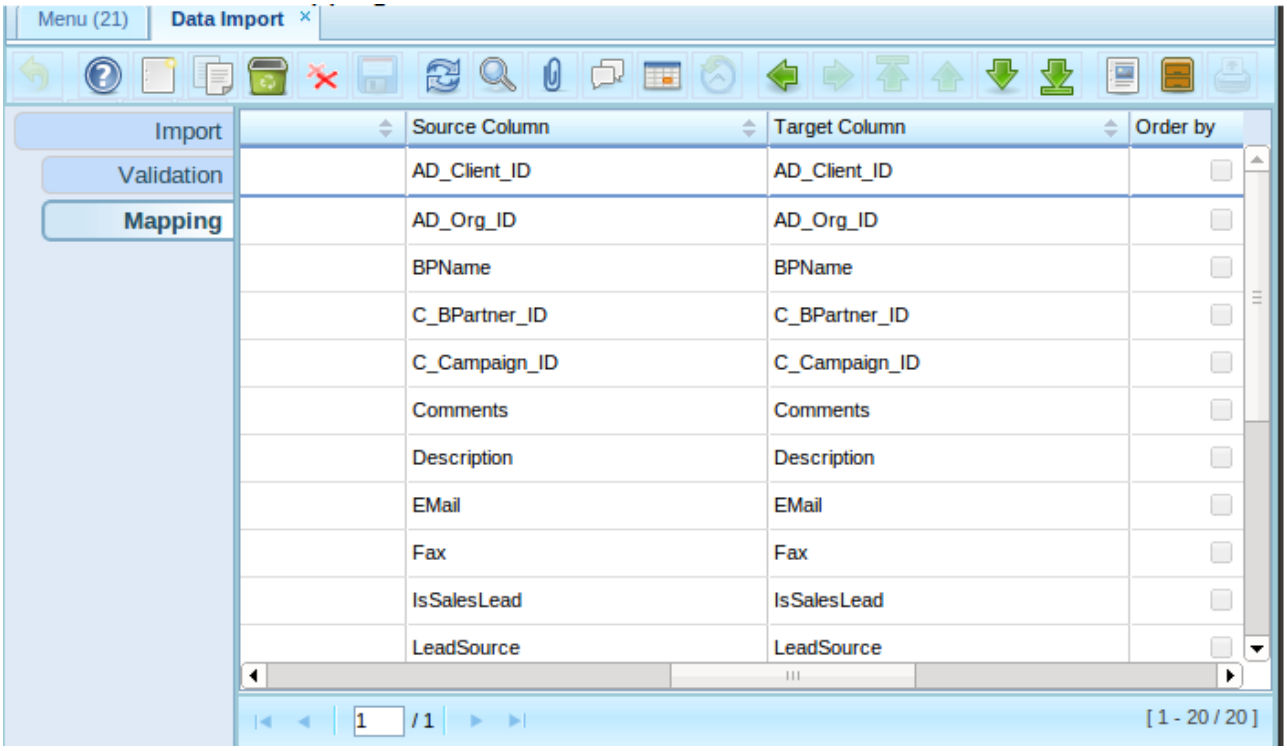
Example 1



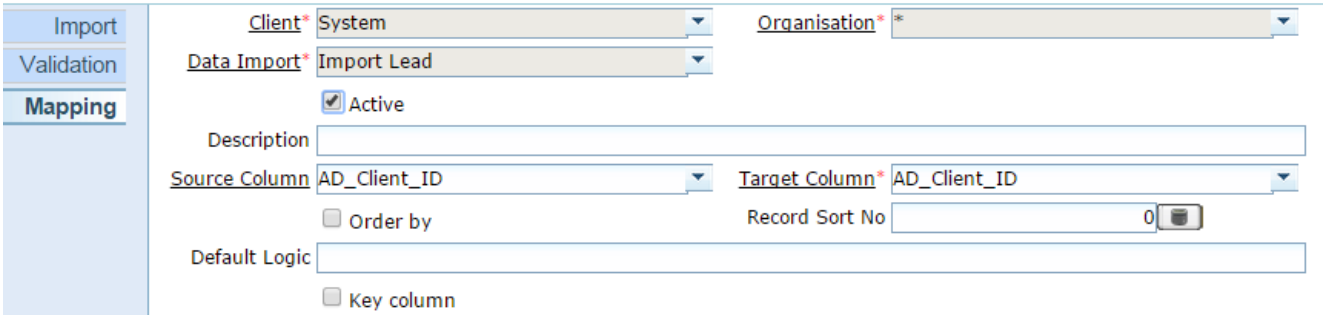
Example 2




## 3.5 Define Field Mapping



An individual record shows the following:



# 4 Import Loader Format

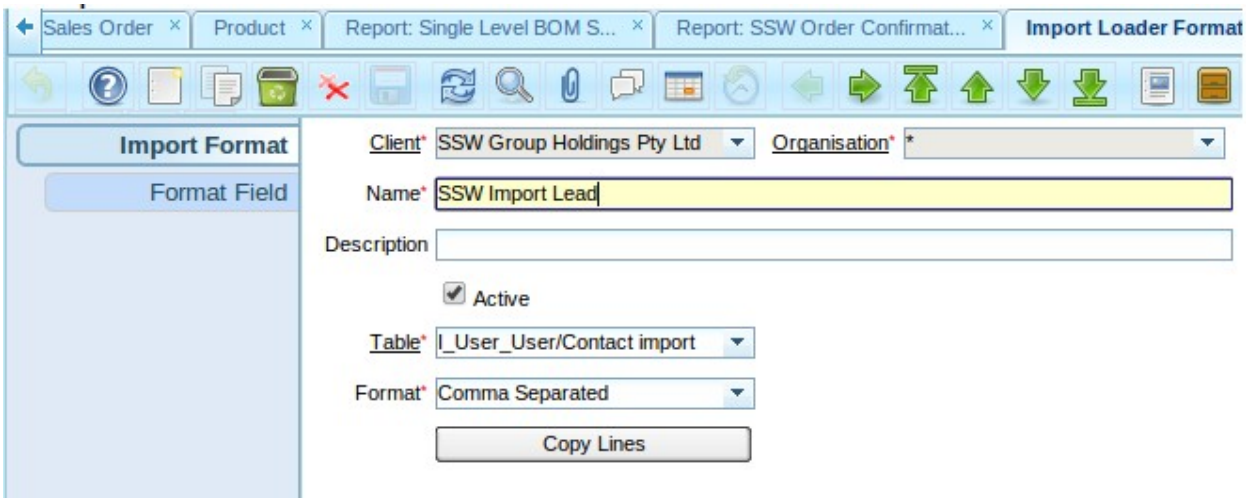
## 4.1 Standard Functionality

This section shows the usage of the standard ADempiere Import Loader Format fiunctionality.

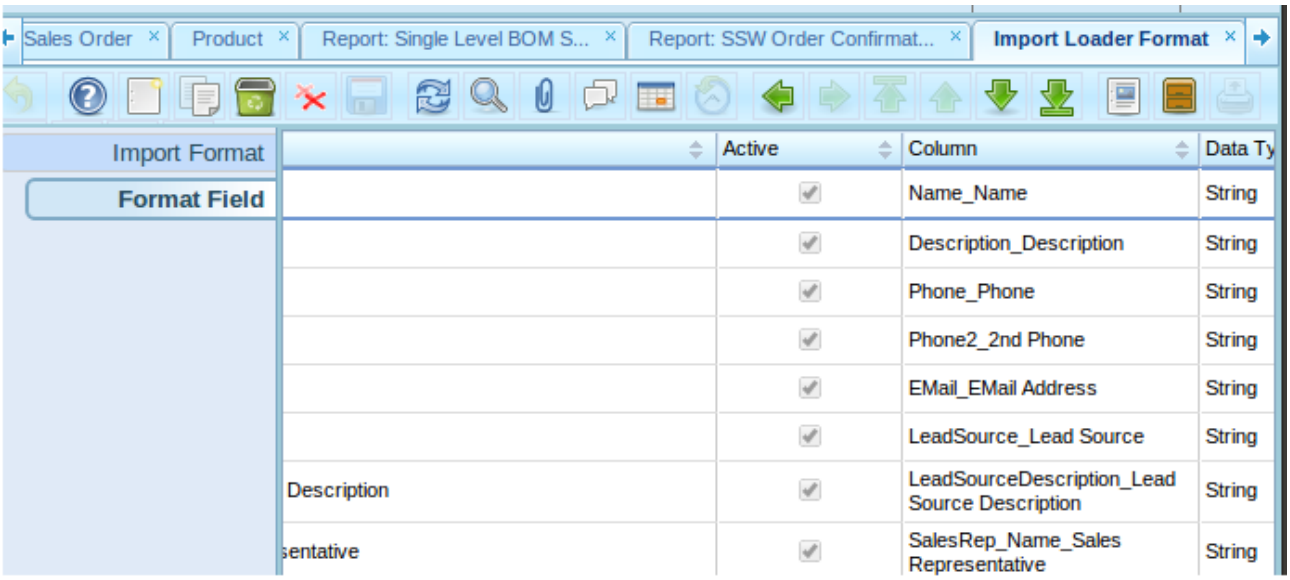
## 4.2 Create an Import Loader Format

This defines the column mapping from (say) a CSV file for importing into the Import Staging Table that you created. (this is standard ADempiere functionality)

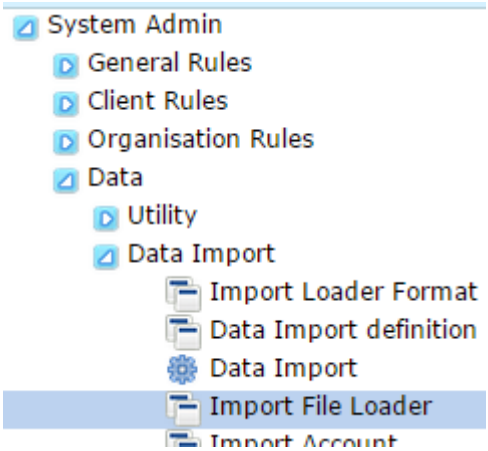
## 4.3 Add Import Loader Format Record



## 4.4 Add the 'Format Fields'

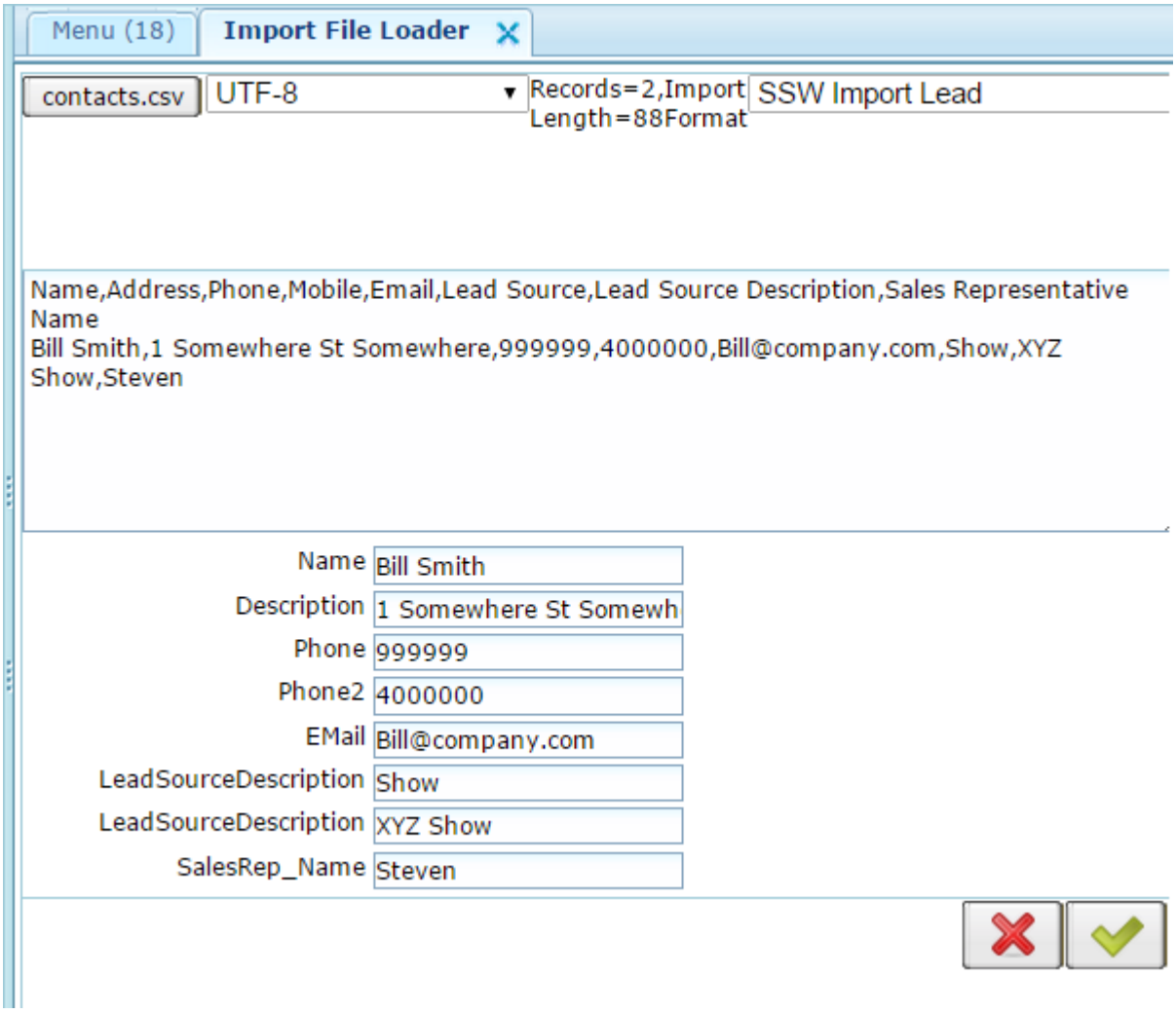



## 4.5 The Import File Loader



Use the import File Loader to import data from (say) a CSV file into the import staging table you created.

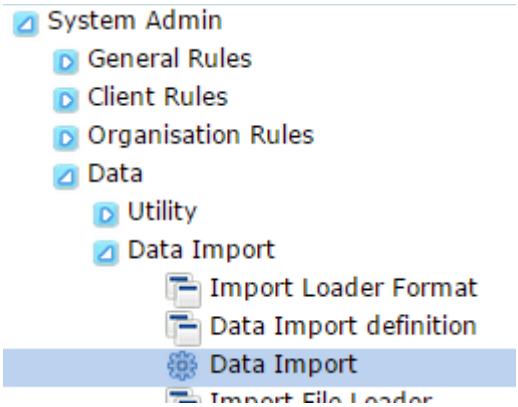
This is the standard ADempiere process for moving data from from a file into an import staging table.



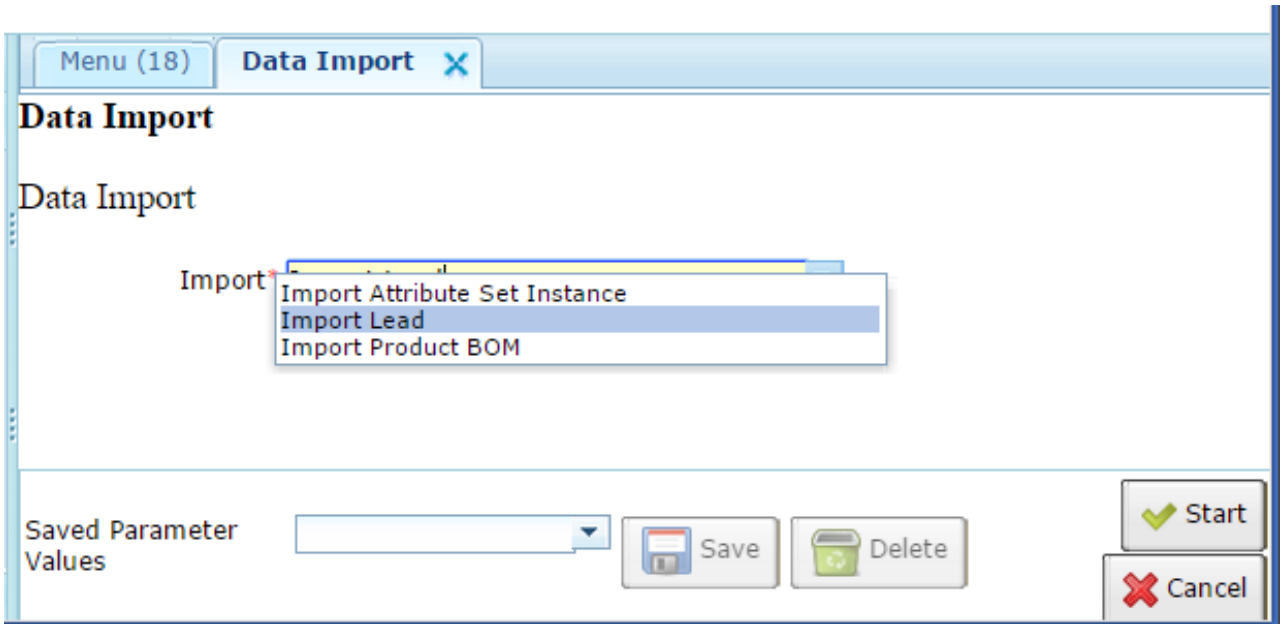

(… end of standard ADempiere functionality)

# 5 The Ad-hoc Data Importer

## 5.1 Ad-hoc Data Import Process




Run the **Data Import** process to populate the ADempiere table from import staging table.



## 5.2 Check the Data Import Table

Open the window that is linked to the staging table from which you trying to import and check the error message field for any problems. Ensure that the required fields have been selected to display in the window.

## DOCUMENT SUMMARY SHEET

| | |
|---|---|
| **Client:** | |
| **Title of Document** | |
| **Summary:** *(Brief description of document)*<br>This document contains an overview of the ADempiere ERP & CRM system for the sole purpose of enabling the target audience to gain an understanding of the functionality and architecture of ADempiere ERP & CRM system. It is not warranted that this document is error free. | |
| **Indexing Terms: (Keywords)** | |
| **Work Carried Out By: (Team initials or names)** | **ADAXA Reference:**<br>**n/a** |

## DOCUMENT REVISION RECORD

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|---|---|---|---|
| HowTo - Ad-hoc Data Importer.odt | 1.2 | 27/04/2013 | revision |
| | | | |

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