

csvToInsertSql – Installation guide

Bot Overview

This bot performs the following:

- Reads the CSV from a file and returns a variable with an SQL insert command with the content.

Pre-Requisites

- Automation Anywhere Enterprise v11.3 or higher

Installation

- Download the bot from Bot Store.
- Unzip the downloaded zip file.
- For **first time users**, create “**Bot Store**” folder under **<AA Directory>/My Tasks** (*on your local disk*).
- Copy folder “**csvToInsertSql - IV2 Tecnologia e Sistemas**” to above created Bot Store folder.
- Move the “**csvToInsertSql.mbot**” file from **csvToInsertSql-IV2 Tecnologia e Sistemas/My Metabots** to **<AA Directory>/My Metabots** folder in Automation Anywhere directory on your local disk.

The content should be in the following folder structure:

- <AA Directory>
 - o My Tasks
 - Bot Store
 - csvToInsertSql-IV2 Tecnologia e Sistemas
 - o My Metabot (Folder, can be deleted)
 - o Input Folder (Folder)
 - o My Task
 - csvToInsertSql.atmx
 - o Error Folder
 - Logs (Folder)
 - Snapshots (Folder)
 - o My Metabot
 - csvToInsertSql.mbot

How to Use the Bot:

This bot is primary made to be executed from other bots, or direct use the MetaBot provided, with that said when executing the bot is necessary to provide the following inputs:

Variable Name	Type	Mandatory	Porpuse	Example
vPath	string	yes	Get the CSV File	"C:\Automation\ products.csv"
vTableName	string	yes	Get the SQL table name	Products
vIndex	string	Only if 'vFormat' is provided	Index of columns positions	2,4,7
vFormat	string	Only if 'vIndex' is provided	Format Type for data conversion (must contain the same number of items as 'vIndex')	number, number,date
vWBL	string	yes	Whitelist or Blacklist filter	Blacklist
vColList	string	yes	CSV columns for 'vWBL' filter	3,5,6,8,9
vSQLFieldNames	string	no	Attribute names in the SQL DataBase, uses the csv headers as default	ProductName, ProductPrice, QuantityInInventory, ProductValidationDate

In the 'vFormat' variable is necessary, if used, to give the following data types in the order that they are being processed.

Format Type	Effect
date	Format date yyyyymmdd into yyyy-mm-dd.
number	Format to number instead of string

Provided the necessary input gives the following output variable:

Variable Name	Type	Mandatory	Porpuse	Example
vOutput	string	yes	Data Output variable	INSERT INTO Products (ProductName, ProductPrice, QuantityInInventory, ProductValidationDate) VALUES ("Apple", 1.25, 50, 2020-06-03), ("Juice", 3.99, 30, 2020-12-02)

Example:

Variable Name	Value
vTableName	Loans
vWBL	Whitelist
vColList	1,3,5,8
vIndex	3,5,8
vFormat	number,number,date

Filtered Input:

Name	Debt	MonthlyPay	birthDate
Jonathan	12000.00	2500.00	19990206
Annie	6800.00	3100.00	19860529

With that input the **Output** should be:

```
INSERT INTO Loans (Name, Debt, MonthlyPay, birthDate) VALUES ("Jonathan", 12000.00, 2500.00, "1999-02-06"), ("Annie", 6800.00, 3100.00, "1986-05-12")
```

Error Handling

- Error Folder contain the below folder hierarchy.
 - o Error Folder
 - Logs (Folder)
 - Error Logs Month-Day-Year.txt: In case of any error, this file logs error message along with time stamp
 - Snapshots (Folder)
 - Error Snap Month-Day-Year.png: In case of any error, this file captures screenshot of error.
- Task Status of bot is set to failed in case of error.