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## Overview

Automic outputs unformatted CSV files. Many reports require formatted Excel spreadsheets (XLSX). This utility converts an unformatted CSV file to a formatted XLSX file. Automic can leverage this utility to output XLSX files.

## Description

CSV to XLSX is a Python 3 script utilizing the [xlsxwriter](https://pypi.org/project/XlsxWriter/) Python package which converts a CSV and outputs a XLSX spreadsheet.

For technical documentation refer to the README.md file in the csv\_to\_xlsx folder.

### Building the executable

The executable should be re-built and put into use periodically to download the latest versions of the packages. To rebuild the executable, visit the “Build” section in README.md.

## Usage

Utility located at [\\...\utils](file:///%5C%5C...%5Cutils)

### Command Line

csv\_to\_xlsx.exe [\\path\to\example.csv](file://path/to/example.csv) spreadsheetname

*The .csv needs to be the full path; example - \\page\data\SCDC\Groups\ITOps\example.csv*

*Spreadsheet name is optional, if not supplied the filename will be used.*

This creates a XLSX spreadsheet located at [\\path\to\example.xlsx](file://path/to/example.xlsx)

### Automic

 Example job *JOBS.SQL.DATA.ADHOC.AH\_ABENDS*

Include in Pre-Process

 **:inc JOBI.SQL.ADHOC.XFILE**

 01 :rset &FOLDEROUT# = "\\yourOutPutFolder\AD\_HOC\"

 02 :rset &FileOut# = "&FOLDEROUT#&$PHYS\_DATE\_YY\_MM\_DD\_d#\_&$ARCHIVE\_KEY1#.csv"

 Include in Post Process

 **:inc JOBI.SQL.CSV2XLSX**

 01 ! CAPTURE THE NAME OF THE UC4 HOST WE ARE RUNNING ON

 02 !set &HOST# = get\_att(host)

 03 :set &HOST# = "your.automic.server"

 04 :set &LOGIN# = "LOGIN.AE"

 05 :SET &TEMPDIR# = GET\_VAR(UC\_EX\_PATH\_TEMP,&$AGENT#)

 06

 07 :SET &RPTNM# = get\_att(FILENAME\_SYSOUT)

 08 !PRINT RPTNM &RPTNM#

 09 :PRINT RPTNM is &RPTNM#

 10

 11 ! Move the temp file from the agent

 12 :p 'CMD=COPY "&TEMPDIR#&RPTNM#" "&FileOut#"'

 13 :SET &HND# = PREP\_PROCESS(&HOST#, WINCMD, "\*", 'CMD=COPY "&TEMPDIR#&RPTNM#" "&FileOut#"', 'UC\_LOGIN=&LOGIN#')

 14 :PROCESS &HND#

 15 : SET &LINE# = GET\_PROCESS\_LINE(&HND#)

 16 : PRINT "LINE: &LINE#"

 17 :ENDPROCESS

 18 :CLOSE\_PROCESS &HND#

 19

 20 ! Create XLSX from CSV

 21 :p 'CMD=\\your.utility.folder\csv\_to\_xlsx.exe "&FileOut#"'

 22 :SET &HND# = PREP\_PROCESS(&HOST#, WINCMD, "\*", 'CMD=\\yourutility.folder\csv\_to\_xlsx.exe "&FileOut#"', 'UC\_LOGIN=&LOGIN#')

 23 :PROCESS &HND#

 24 : SET &LINE# = GET\_PROCESS\_LINE(&HND#)

 25 : PRINT "LINE: &LINE#"

 26 :ENDPROCESS

 27 :CLOSE\_PROCESS &HND#

 28

 29 ! Delete the temp file from the agent

 30 :SET &HND# = PREP\_PROCESS(&HOST#, WINCMD, "\*", 'CMD=DEL "&TEMPDIR#&RPTNM#"', 'UC\_LOGIN=&LOGIN#')

 31 :PROCESS &HND#

 32 : SET &LINE# = GET\_PROCESS\_LINE(&HND#)

 33 : PRINT "LINE: &LINE#"

 34 :ENDPROCESS

 35 :CLOSE\_PROCESS &HND#