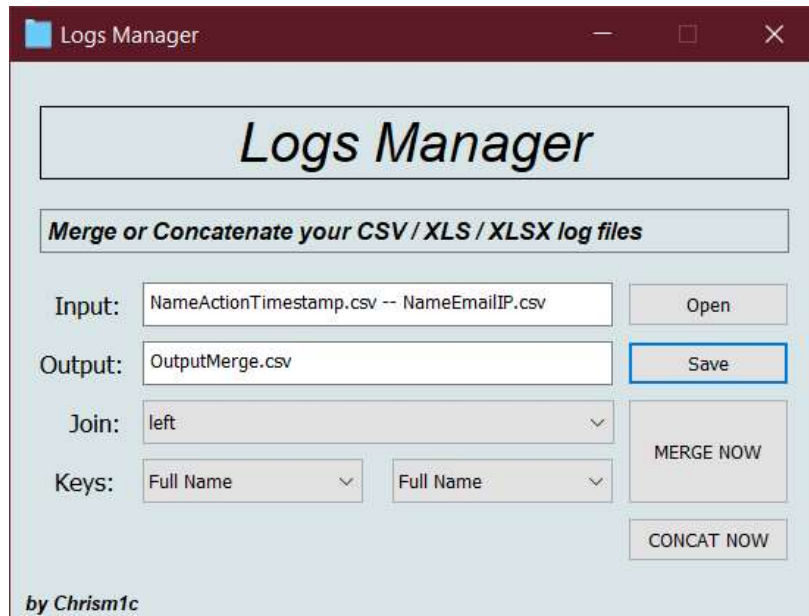


Logs Manager

Gui app useful to concatenate or execute a key based merge (database like) on your csv/xlsx/xls files



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What is Logs Manager?

Logs Manager is an application developed for a "Networks and distributed systems security" exam at **Univeristy Aldo Moro** of Taranto Italy.

its goal is to manage log files released from different apps. It can be used to concatenate a large ammount of data logs spreads in different CSV/XLS/XLSX files, in addition, it can allow merge two log files using a key (column name) at the same way a databases would do.

Functionalities

- Concatenete two or more log files : Useful to unify different files into a single one.
- Key based merge of two log files : Useful to filter records between two log files.

• Requirements and Dependencies

```
Python 3.5.3 or higher (tested on 3.7 64bit)
pandas~=1.0.3    [python 3.5.3+]
PyQt5~=5.15.1    [python 3.5+]
xlrd
openpyxl
```

Resources for dependencies required

Panadas: pandas.pydata.org

PyQt5: pypi.org/project/PyQt5

• Quick Start

Stand alone app:

1 - run "LogsMerger.exe"

With Python interpreter:

- 1 - Clone this repository
- 2 - run "Check and Install Python.cmd"
- 3 - Execute "LogsManager - noConsole.vbs"
- 4 - Good work with **Logs Manager**

• Instructions

Prerequisites and notes

- For CSV files, they must have first row with headers separated by "," and all record attributes must be separated by ";"
- For XLS/XLSX files, they must have first row with headers
- All input files must have the same extension but the output file could be chosen as different one: (CSV->XLSX | XLSX->CSV)

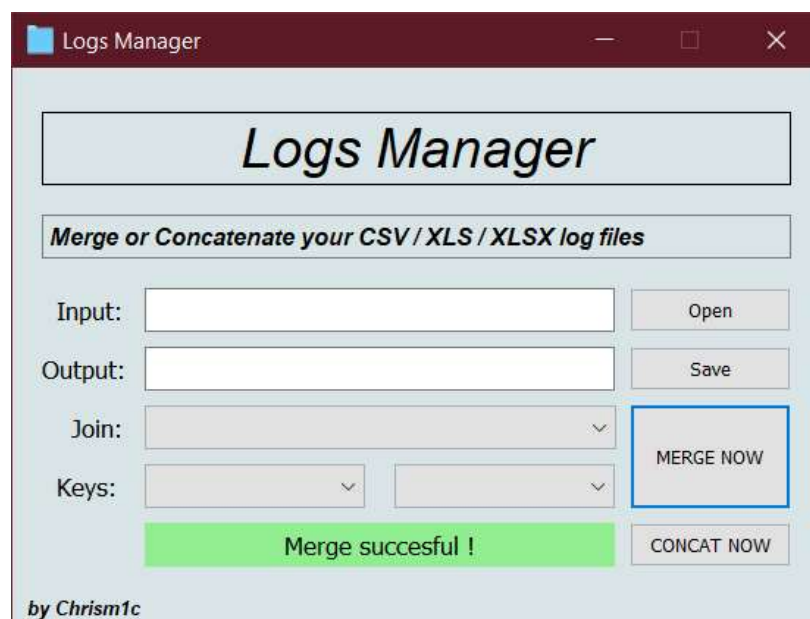
Concatenate Function

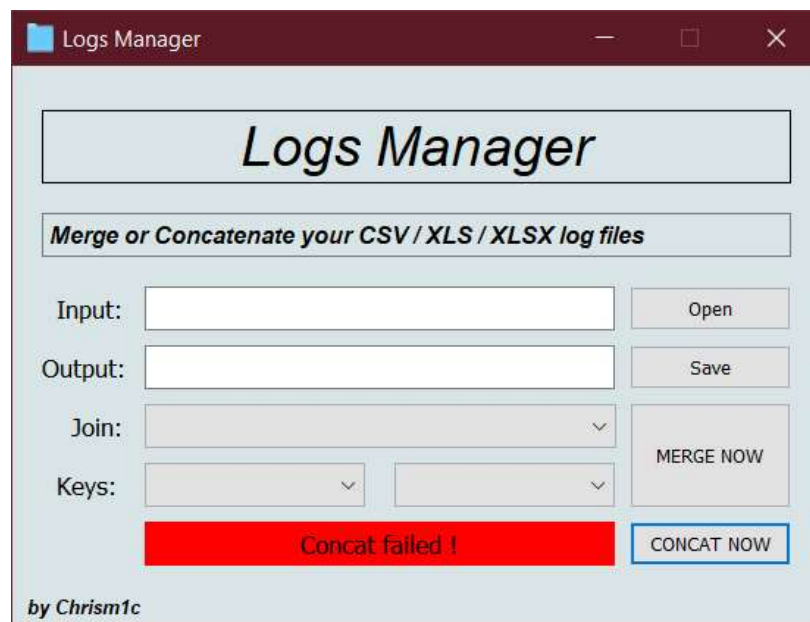
- 1 - Click on "Open" button and select 2 or more log files (CSV/XLS/XLSX) NB: they must have the same extension
- 2 - Click on "Save" button and select name and directory of the output file (CSV/XLS/XLSX)
- 3 - Click on "CONCAT NOW" to execute concatenation of log files

Merge Function

- 1 - Click on "Open" button and select 2 log files (CSV/XLS/XLSX) NB: they must have the same extension
- 2 - Click on "Save" button and select name and directory of the output file (CSV/XLS/XLSX)
- 3 - Select witch type of merge to execute (left,right,outer,inner)
- 4 - Select right and left keys to execute merge (Primary Keys)
- 5 - Click on "MERGE NOW" to execute concatenation of log files

GUI Output examples





- Credits

Developed and Designed by:

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