

JSON to from CSV


Need help?

Technical contact to tech@argos-labs.com

This function is one of Plugins Operation. You can find the movie in [ARGOS RPA+ video tutorial](#).


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JSON <-> CSV

Author: Taiki Shimasaki



Description: This plugin performs a bi-directional conversion between JSON file to CSV data and CSV file to JSON data. Frequently, AI-OCR returns their execution results in the format of JSON and this plugin may come in helpful for those who are not familiar with JSON but knows what CSV looks like.

Input (Required)

- Operation:** Select either JSON to CSV or CSV to JSON.
- File Path:** Specify the full path for the source file (.json or .csv)
The plugin fails if no file has been found as specified
- Directory Path:** Specify the folder that your result file (converted file) to be stored
If no folder the plugin just fails

Input (Optional)

- Nested Data Key:** Enter the key (char string) for nested data in the source JSON file.
Please see example below as to how to find the key for nested data

Advanced Input

Encode Format	Default is UTF-8
File Name	If wish to specify a file name for the output (converted) file please specify the file name here. When no file name has been specified the source file's file name will be used.
File Name Validation	Checks the validity of the file name Options are Return failure Sanitize
If File Exists	Decides the behavior of the automation when file name is already in existence Options are Return Failure Add (n) at the end Overwrite
Output	Converted file (.json or .csv)
Return Value	Full file-path of the converted file For all String, CSV, and File
Return Code	0 for success



How to set parameters

The image shows the configuration window for the 'JSON<->CSV' plugin. The interface includes several sections: 'Properties', 'Advanced', and 'Return value'. Yellow callout boxes provide instructions for various settings:

- Operation:** Select either one of two operations: 1). Converting JSON to CSV, 2). Converting CSV to JSON.
- File Path:** Specify file path of the source (original) file. If the file does not exist, the plugin fails.
- Directory Path:** Specify the folder path of the result (converted) file. If the folder does not exist, the plugin fails.
- Advanced - File Encoding:** Default data encoding format is UTF-8.
- Advanced - File Name Valid...:** If wish to give a new name to the output file, specify here. Otherwise, the name of the source (original) file will be given to the result (converted) file too.
- Advanced - If File Exists:** Set the option (rule) for cases when the file name is illegal and when the file does already exist and conflict.
- Return value - Result type:** The plugin returns the full file-path of the result (converted) file.

Text from Image

Example of Key for nested data (list).

In the below JSON data, there are two “keys” for nested data (list). They are marked with [].

The keys are **monitors** and **disks**.

```

{
  "platform": {
    "platform":
"Windows-10-10.0.18362-SP0",
    "machine": "AMD64",
    "processor": "Intel64 Family
6 Model 61 Stepping 4, GenuineIntel"
  },
  "monitors":
[
  {
    "name":
"\\\\.\\.\\.\\.\\.\\DISPLAY1",
    "width": 1440,
    "height": 900,
    "width_mm": 286,
    "height_mm": 179,
    "scale": 100
  }
],
  "cpu": {
    "count": 4,
    "percent": "53.8%"
  },
  "memory": {
    "total": "7.9G",
    "percent": "56.1%"
  },
  "disks":
[
  {
    "device": "C:\\",
    "total": "116.37G",
    "percent": "37.6%"
  }
]
}

```

Then the resulting CSV will look like

	A	B	C	D	E	F
1	name	width	height	width_mm	height_mm	scale
2	:\\.\\.\\.\\.\\.\\DISPLAY1	1440	900	286	179	100

- ABBYY Download
- ABBYY Status
- ABBYY Upload
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- Excel Formula
- Excel Macro
- Excel Newfile
- Excel Simple Read
- Excel Simple Write
- Excel Style
- Excel Update
- Fairy Devices mimi AI
- File Conv
- File Folder Exists
- File Folder Op
- File Status
- Fixed Form Processing
- Floating Form Processing
- Folder Monitor
- Folder Structure
- Google Calendar
- Google Cloud Vision API
- Google Drive
- Google Search API
- Google Sheets
- Google Token
- Google Translate

- Google TTS
- Html Extract
- HTML Table
- IBM Speech to Text
- IBM Visual Recognition
- JSON Select
- JSON to from CSV
- LINE Notify
- MongoDB
- MQTT Publisher
- MS Azure Text Analytics
- MS Word Extract
- NAVER OCR
- Newuser-SFDC
- Oracle SQL
- Outlook
- Outlook Email
- PANDAS I
- pandas II
- pandas III
- PANDAS profiling
- Parsehub
- Password Generate
- Path Manipulation
- PDF2Doc
- PDF2Table
- PDF2TXT
- PDF Miner
- PDF SplitMerge
- PostgreSQL
- PowerShell
- PPTX Template
- Print 2 Image
- Python Selenium
- QR Generate
- QR Read
- Regression
- Rename File
- REST API
- Rossum
- Running GAS
- Scrapy Basic
- Screen Capture
- Screen Recording START
- Screen Recording STOP
- Screen Snipping
- Seaborn Plot
- SharePoint
- Simple SFDC
- Slack
- Sort CSV
- Speed Test
- SQL
- SQLite
- SSH Command
- SSH Copy
- String Manipulation
- String Similarity
- Svc Check
- Sys Info
- Telegram
- Tesseract
- Text Read
- Text Write
- Time Diff
- Time Stamp
- Web Extract
- Windows Op
- Windows Screen Lock
- Word2PDF
- Word2TXT
- Work Calendar

- XML Extract
- XML Manipulation
- Xtracta Get Doc
- Xtracta Tracking
- Xtracta Upload
- ZipUnzip