

# Basic usage of Data Conv

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## NAME

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**Data Conv** is used to convert a file format among JSON, XML, CSV.

## SYNOPSIS

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**Data Conv** needs next parameters or options.

## Parameter

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### Operation

- Supports CSV-to-TSV, CSV-to-\_SV, JSON-to-XML, XML-to-JSON
- csv2tsv: converts CSV to TSV (Tab-separated values) format
- csv2\_sv: converts CSV to a character separated values which you specify as 'Target separator'
- json2xml / xml2json: converts JSON to XML format or vice versa

### Source File

- A source file to be converted

### Target File

- Target file to save the converted file

## Options

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### Target separator

- A single character to be used as separator

## File Encoding

- File encoding type of source file.
- Default: utf8

In case of UTF8, the encoding of a source file must be UTF-8 without BOM (Byte Order Mark). Windows Notepad saves files as ANSI by default. Even though you select UTF-8 in Notepad, it saves as UTF-8 with BOM. It's a good idea to use the 3rd party editor that supports UTF-8 without BOM , such like Notepad++, Sublime Text.

## Examples

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### EX1. CSV-to-TSV

#### Parameters

Parameters\Options	Values
Operation	csv2tsv
Source File	C:\1.MyUtils\TestRun\TestRun\csv_sample.csv
Target File	C:\1.MyUtils\TestRun\TestResult\csv2tsv.txt

#### Results

##### (1) source file

```
id,first_name,last_name,email
1,Jillene,Ashness,jashness0@cisco.com
2,Briney,Lightbourne,blightbournel@slate.com
3,Letti,Cayzer,lcayzer2@utexas.edu
4,Abramo,Gerrelts,agerrelts3@people.com.cn
5,Kaitlynn,Sussex,ksussex4@wsj.com
```

##### (2) results

```
id first_name last_name email
1 Jillene Ashness jashness0@cisco.com
2 Briney Lightbourne blightbournel@slate.com
3 Letti Cayzer lcayzer2@utexas.edu
4 Abramo Gerrelts agerrelts3@people.com.cn
5 Kaitlynn Sussex ksussex4@wsj.com
```

### EX2. CSV-to-SV

#### Parameters

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Parameters\Options	Values
Operation	csv2_sv
Source File	C:\1.MyUtils\TestRun\TestRun\csv_sample.csv
Target File	C:\1.MyUtils\TestRun\TestResult\csv2_sv.txt
Target separator	*

## Results

### (1) source file

```
id,first_name,last_name,email
1,Jillene,Ashness,jashness0@cisco.com
2,Briney,Lightbourne,blightbourne1@slate.com
3,Letti,Cayzer,lcayzer2@utexas.edu
4,Abramo,Gerrelts,agerrelts3@people.com.cn
5,Kaitlynn,Sussex,ksussex4@wsj.com
```

### (2) results

```
id*first_name*last_name*email
1*Jillene*Ashness*jashness0@cisco.com
2*Briney*Lightbourne*blightbourne1@slate.com
3*Letti*Cayzer*lcayzer2@utexas.edu
4*Abramo*Gerrelts*agerrelts3@people.com.cn
5*Kaitlynn*Sussex*ksussex4@wsj.com
```

## EX3. JSON-to-XML

### Parameters

Parameters\Options	Values
Operation	json2xml
Source File	C:\1.MyUtils\TestRun\TestRun\json_sample.csv
Target File	C:\1.MyUtils\TestRun\TestResult\results.xml

## Results

### (1) source file

```

{
  "glossary": {
    "title": "example glossary",
    "GlossDiv": {
      "title": "S",
      "GlossList": {
        "GlossEntry": {
          "ID": "SGML",
          "SortAs": "SGML",
          "GlossTerm": "Standard Generalized Markup Language",
          "Acronym": "SGML",
          "Abbrev": "ISO 8879:1986",
          "GlossDef": {
            "para": "A meta-markup language, used to create
markup languages such as DocBook.",
            "GlossSeeAlso": ["GML", "XML"]
          },
          "GlossSee": "markup"
        }
      }
    }
  }
}

```

(2) results

```

<?xml version="1.0" encoding="utf-8"?>
<glossary>
  <title>example glossary</title>
  <GlossDiv>
    <title>S</title>
    <GlossList>
      <GlossEntry>
        <ID>SGML</ID>
        <SortAs>SGML</SortAs>
        <GlossTerm>Standard Generalized Markup Language</GlossTerm>
        <Acronym>SGML</Acronym>
        <Abbrev>ISO 8879:1986</Abbrev>
        <GlossDef>
          <para>A meta-markup language, used to create markup languages such
as DocBook.</para>
          <GlossSeeAlso>GML</GlossSeeAlso>
          <GlossSeeAlso>XML</GlossSeeAlso>
        </GlossDef>
        <GlossSee>markup</GlossSee>
      </GlossEntry>
    </GlossList>
  </GlossDiv>
</glossary>

```

## EX4. XML-to-JSON

### Parameters

Parameters\Options	Values
Operation	xml2json
Source File	C:\1.MyUtils\TestRun\TestRun\xml_sample.csv
Target File	C:\1.MyUtils\TestRun\TestResult\results.json

### Results

(1) source

```
<?xml version="1.0" encoding="utf-8"?>
<glossary>
  <title>example glossary</title>
  <GlossDiv>
    <title>S</title>
    <GlossList>
      <GlossEntry>
        <ID>SGML</ID>
        <SortAs>SGML</SortAs>
        <GlossTerm>Standard Generalized Markup Language</GlossTerm>
        <Acronym>SGML</Acronym>
        <Abbrev>ISO 8879:1986</Abbrev>
        <GlossDef>
          <para>A meta-markup language, used to create markup languages such
as DocBook.</para>
          <GlossSeeAlso>GML</GlossSeeAlso>
          <GlossSeeAlso>XML</GlossSeeAlso>
        </GlossDef>
        <GlossSee>markup</GlossSee>
      </GlossEntry>
    </GlossList>
  </GlossDiv>
</glossary>
```

(2) results

```

{
  "glossary": {
    "title": "example glossary",
    "GlossDiv": {
      "title": "S",
      "GlossList": {
        "GlossEntry": {
          "ID": "SGML",
          "SortAs": "SGML",
          "GlossTerm": "Standard Generalized Markup Language",
          "Acronym": "SGML",
          "Abbrev": "ISO 8879:1986",
          "GlossDef": {
            "para": "A meta-markup language, used to create
markup languages such as DocBook.",
            "GlossSeeAlso": [
              "GML",
              "XML"
            ]
          },
          "GlossSee": "markup"
        }
      }
    }
  }
}

```

## PLATFORM

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Here is the supported platform for this plugin.

- This plugin support Windows 10 and above.
- This plugin support Linux (Ubuntu).
- This plugin support Mac.

## Version

- 1.515.1506

## Limitation

## SEE ALSO

## LICENSE

