## **CSV Conversion - V.1.0.0**

The CSV Conversion plugin contains Smart services for converting between JSON, CSV, and XML formats. These services allow seamless transformation of data between different formats to suit various data processing needs.

Smart Services released as part of this Plugin are

* CSV to Json Converter
* Json to CSV Converter
* CSV to XML Converter
* XML to CSV Converter

### **Smart Services**

#### **CSV to JSON Converter**

* Converts the given CSV document into a JSON Document and JSON text.
* Supported Language - English (United States).

**Parameters:**

* Input**:**
* Source CSV Document (Document): The CSV document to convert.
* New JSON Document Name (Text): Name for the generated JSON document.
* Save In Folder (Folder): Folder to save the JSON document.
	+ Description (Text) (Optional): Description for the JSON document.
* Output**:**
	+ Json String (Text): The converted JSON string.
	+ New Json Document Created (Document): The generated JSON document.
	+ Error Occurred(Boolean): Indicates if any error occurs.
	+ Error Message (Text): Description of the error.

#### **JSON to CSV Converter**

* Converts the given JSON document or JSON text into a CSV Document.
* Supported Language - English (United States).

Sample Input:

[

 {

 "Index": "1",

 "User Id": "88F7B33d2bcf9f5",

 "First Name": "Shelby",

 "Last Name": "Terrell",

 "Sex": "Male",

 "Email": "elijah57@example.net",

 "Phone": "001-084-906-7849x73518",

 "Date of birth": "1945-10-26",

 "Job Title": "Games developer"

 },

 {

 "Index": "2",

 "User Id": "f90cD3E76f1A9b9",

 "First Name": "Phillip",

 "Last Name": "Summers",

 "Sex": "Female",

 "Email": "bethany14@example.com",

 "Phone": "214.112.6044x4913",

 "Date of birth": "1910-03-24",

 "Job Title": "Phytotherapist"

 }

]

**Parameters:**

Input:

* Input Type (Text): Specify input type (Document or Text).
* Source JSON Document (Document): The JSON document to convert.
* Source JSON Text (Text): The JSON string to convert.
* New CSV Document Name (Text): Name for the generated CSV document.
* Save In Folder (Folder): Folder to save the CSV document.
* Description (Text): Description for the CSV document.

Output:

* New CSV Document Created (Document): The generated CSV document.
* Error Occurred(Boolean): Indicates if any error occurs
* Error Message (Text): Description of the error.

#### **CSV to XML Converter**

* Converts the given CSV document into a XML Document and XML text.
* Supported Language - English (United States).

**Parameters:**

Input:

* Source CSV Document (Document): The CSV document to convert.
* New XML Document Name (Text): Name for the generated XML document.
* Save In Folder (Folder): Folder to save the output document.
* Description (Text) (Optional): Description for the XML document.

Output:

* + XML Text (Text): The converted XML string.
	+ New XML Document Created (Document): The generated XML document.
	+ Error Occurred(Boolean): Indicates if any error occurs
	+ Error Message (Text): Description of the error.

#### **XML to CSV Converter**

* Converts the given XML document into a CSV Document.
* Supported Language - English (United States).

 Sample Input:

<data>

 <list>

 <content>

 <header>field1</header>

 <value>11</value>

 </content>

 <content>

 <header>field2</header>

 <value>12</value>

 </content>

 <content>

 <header>field3</header>

 <value>13</value>

 </content>

 </list>

 <list>

 <content>

 <header>field1</header>

 <value>21</value>

 </content>

 <content>

 <header>field2</header>

 <value>22</value>

 </content>

 <content>

 <header>field3</header>

 <value>23</value>

 </content>

 </list>

</data>

The values for the <header> and <value> tags can be of any type. However, the XML input must adhere to the specified format provided above. It's essential to ensure that all column headers are defined within the first <list> tag inside the <content>

**Parameters:**

Input:

* Source XML Document (Document): The XML document to convert.
* Source XML Text (Text): The XML string to convert.
* New CSV Document Name (Text): Name for the generated CSV document.
* Save In Folder (Folder): Folder to save the CSV document.
* Description (Text): Description for the CSV document.

Output:

* New CSV Document Created (Document): The generated CSV document.
* Error Occurred (Boolean): Indicates if any error occurs
* Error Message (Text): Description of the error.