

JSON Tool

Definition

The **JSON Tool** enables one to issue a JSON web service call, and to save the returned data into Joget's form data and/or into the process's workflow variable.

Configure JSON Tool

Configure JSON Tool > Store To Form > Store To Workflow Variable

JSON URL *

Call Type

GET

Request Headers

Name

Value

+

No Response Expected

☐

Debug Mode

☐

Figure 1: JSON Tool Properties - Configure JSON Tool

Name	Description
JSON URL	URL to be called.
Call Type	<ul style="list-style-type: none">GETPOST
POST Method	<ul style="list-style-type: none">POST ParametersPOST Parameters as JSON PayloadCustom JSON Payload
POST Parameters	<p>When POST Method is set to "POST Parameters", these parameters will be sent as a <code>UrlEncodedFormEntity</code>.</p> <p>When POST Method is set to "POST Parameters as JSON Payload", these parameters will be sent as a <code>StringEntity</code> in a form of an escaped JSON string.</p>
Custom JSON Payload	<p>Write your own JSON to be the payload. It will be sent as a <code>StringEntity</code>.</p> <p>This option is available only when "Custom JSON Payload" in selected.</p>
Request Headers	Add name(s) and value(s) to the request header.
No Response Expected	<p>Check if no response is expected, so that even if there is a response, this tool will simply ignore it.</p> <p>Using this option will also disable "store to form" and "store to workflow variable" properties.</p>
Debug Mode	Show relevant debug entries in the server log for debugging purposes.

Store To Form

Configure JSON Tool > Store To Form > Store To Workflow Variable

Form

Form 1

Base JSON Object Name for Multirow Data

apps

Field Mapping

Field Name	JSON Object Name	
id	apps.id	⬆️ ⬆️ ⬆️
name	apps.name	⬆️ ⬆️ ⬆️
version	apps.version	⬆️ ⬆️ ⬆️

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Next >

Submit

Figure 2: JSON Tool Properties - Store to Form

Name	Description						
Form	Target form to store data to.						
Base JSON Object Name for Multirow Data	Name of the object that contains an array to be based on.						
Field Mapping	Mapping with JSON data with Form fields. <table><tr><th>Name</th><th>Description</th></tr><tr><td>Field Name</td><td>Form field ID</td></tr><tr><td>JSON Object Name</td><td>JSON property name</td></tr></table>	Name	Description	Field Name	Form field ID	JSON Object Name	JSON property name
Name	Description						
Field Name	Form field ID						
JSON Object Name	JSON property name						

Store To Workflow Variable

Configure JSON Tool > Store To Form > Store To Workflow Variable

Workflow Variable Mapping

Workflow Variable

JSON Object Name

< Prev

Next >

Submit

Figure 3: JSON Tool Properties - Store to Workflow Variable

Name	Description	
Workflow Variable Mapping	Name	Description
	Workflow Variable	Workflow Variable Name.
	JSON Object Name	JSON property name.

In figure 2 and 3, one will need to specify on how to treat the returned data. The returned data may be saved as form data or/add to be saved into process's workflow variable. The example used in this article shows on how one can store multi-row data into a form data table.

Sample JSON API: <http://localhost:8080/jw/web/json/apps/published/userviews>

Sample JSON Result:

```
{
  "apps": [{
    "id": "crm",
    "name": "CRM",
    "userviews": [{
      "id": "crm_userview_sales",
      "description": "",
      "name": "CRM: Sales Force Automation",
      "url": "/jw/web/userview/crm/crm_userview_sales",
      "version": 1
    }],
    "version": 1
  }, {
    "id": "hr_expense",
    "name": "HR Expenses Claim App",
    "userviews": [{
      "id": "hr_expense_userview",
      "description": "",
      "name": "HR Expenses Claim App for Admin",
      "url": "/jw/web/userview/hr_expense/hr_expense_userview",
      "version": 2
    }],
    "version": 2
  }, {
    "id": "isr",
    "name": "Internal Service Request",
    "userviews": [{
      "id": "isr",
      "description": "",
      "name": "Internal Service Request App",
      "url": "/jw/web/userview/isr/isr",
      "version": 1
    }],
    "version": 1
  }, {
    "id": "ims",
    "name": "Simple Invoicing",
    "userviews": [{
      "id": "ims",
      "name": "Simple Invoicing",
      "url": "/jw/web/userview/ims/ims",
      "version": 1
    }],
    "version": 1
  }
]}
```

Json Tool App

Home

Admin Admin

Welcome

Manage Form 1

Manage Form 1

Populate JSON Data

Home > Manage Form 1 > Manage Form 1

10

Show

	Date Created	Date Modified	id	name	version	
<input type="checkbox"/>	27-10-2015 08:55 AM	27-10-2015 08:55 AM	crm	CRM	1	Edit
<input type="checkbox"/>	27-10-2015 08:55 AM	27-10-2015 08:55 AM	hr_expense	HR Expenses Claim App	2	Edit
<input type="checkbox"/>	27-10-2015 08:55 AM	27-10-2015 08:55 AM	ims	Simple Invoicing	1	Edit
<input type="checkbox"/>	27-10-2015 08:55 AM	27-10-2015 08:55 AM	isr	Internal Service Request	1	Edit
<input type="checkbox"/>	27-10-2015 08:55 AM	27-10-2015 08:55 AM	json1	Json Tool App	1	Edit
<input type="checkbox"/>	27-10-2015 08:55 AM	27-10-2015 08:55 AM	mcrm	Simple CRM	1	Edit

6 items found, displaying all items.

1

CSV | Excel | XML | PDF

NewDelete

Figure 4: Sample JSON data saved in Joget form data table

You can download the test app from [APP_json1-1-20151026181405.jwa](#).

Related Tutorials

- [Configure JSON Tool based on the JSON data structure](#)