

# How to use Return Value at Plugins

**⚠ This is universal across all Plugins!**

The image shows a configuration panel titled 'Return value'. It contains a 'Result type' dropdown menu. The dropdown is open, showing three options: 'String' (highlighted in blue), 'CSV', and 'File'.

All ARGOS Low-code Plugins support Return Value as out. The usage of Return Value is common among all Plugins.

There are three (3) types of Return Value to choose from and they are;

1. String
2. CSV
3. File

Below explains how to use each one of the 3 Return Value types.

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## 1. String

The image shows the 'Return value' configuration panel. The 'Result type' dropdown is set to 'String'. The 'Variable name' dropdown is set to '{{my.a}}'. There is a '?' button next to the variable name dropdown.

- It returns the output as character string.
- You **must use a User Defined Variable** to store the character string.

Variables				
	GroupName	VariableName	Array	UseCase
*	Click here to add a new row			
▶	my	a	<input type="checkbox"/>	{{my.a}}
	my	b	<input type="checkbox"/>	{{my.b}}
	my	c	<input type="checkbox"/>	{{my.c}}

## 2. CSV

Return value

Result type

Variable group name

First row contains column header

- An array User Defined Variable will be **automatically created** (but it will not show up in the Variable block of STU.)
- Variable group name becomes the Group Name of the variable. In example above, variable\_group will be the group name of the variable.
- For data which has title headers, leave [First row contains column header] checked. In this case, the header becomes the variable name – see example below.
- For data which does not have title headers, (in other words, the data's first row contains the first data), uncheck [First row contains column header]. In this case, uppercase alphabet letters (such as A, B, C...) will become variable names – see example below.

**CSV Example 1 For Data with title headers (leave the check mark on)**

	A	B	C
1	<b>First Name</b>	<b>Last Name</b>	<b>Email Address</b>
2	Alok	Garg	alok.garg@icloud.com
3	Craig	Newmark	craig.newmark@gmail.com
4	Scott	Smith	ssscruz@mac.com
5	Aymerik	Renard	aymerik@mac.com
6	John	Cabri	jcabri@yahoo.com

To access Scott Smith's email address, the variable notation will look like this

`{{variable_group.Email Address(3)}}`

Please note both Group Name and Variable Name are case sensitive.

The title header row becomes the (0) index in CSV, thus the fourth row will be (3) index.

**CSV Example 1 For Data without title headers (uncheck First row contains column header check box.)**

	A	B	C
1	Alok	Garg	alok.garg@icloud.com
2	Craig	Newmark	craig.newmark@gmail.com
3	Scott	Smith	ssscruz@mac.com
4	Aymerik	Renard	aymerik@mac.com
5	John	Cabri	jcabri@yahoo.com

To access Scott Smith's email address, the variable notation will look like this

`{{variable_group.C(3)}}`

The Excel style table headers, A, B, C and so on, will become the variable name

User uppercase for variable names.

The title header row becomes the (0) index in CSV, thus the fourth row will be (3) index.

### 3. File

Return value	
Result type	File <input type="button" value="v"/>
File Name (File needs not exist)	.txt or .csv filepath here <input type="button" value="..."/>
Variable for file	{{my.a}} <input type="button" value="v"/> <input type="button" value="?"/>

- This Return Value will generate either .txt or .csv file.
- In File Name field, please give the full file path of the file you will be generating.
- **BE CAREFUL! If an existing file is selected, it will be overwritten.**
- In the Variable for file, enter one User Defined Variable. This will store the **full file-path** for the file you are generating.

#### How to ...

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- How to copy a cell content without new line
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- How to use Result Code Handler
- How to use Return Value at Plugins
- The Step-by-Step Open API Workflow