

Sys Info


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

May you search all operations,

- [Actions](#)
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Sys Info

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Description

This plugin has ten functions to obtain local system/configuration related information and present it in the form of CSV. Additionally, [Get Process] function can be used as a verification operation to confirm any specific process is running or not. The functions are:

1. Get Process
2. CPU Percent
3. CPU Count
4. Load Avg
5. Memory Info
6. Disk Info
7. Network Stats
8. Network Conns
9. NIC Address
10. NIC Info

This plugin is based on a Python solution called **psutil**. You can find more detailed information about this solution from this link. <https://psutil.readthedocs.io/en/latest/>

Input (required)

- Select one function from the pull down list of functions.

Input (optional – Get Process only)

- Enter process name (partial is OK) to search. (this is case insensitive)

Output

- Return Value (CSV)

Each function returns some unique set of information. It is listed as the CSV headers under each function as shown below

1. Get Process

pid	ppid	status	name	exe	memory_percent	cpu_percent	cwd	create_time	username
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2. CPU Percent

cpu1_percent	cpu2_percent	cpu3_percent	cpu4_percent	cpu5_percent	cpu6_percent	cpu7_percent	cpu8_percent	cpu_percent
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3. CPU Count

cpu_count

4. Load Avg (this function is only for Linux)

last_1m_load	last_5m_load	last_15m_load
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5. Memory Info

total	available	percent	used	free
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6. Disk Info

device	mountpoint	fstype	opts	maxfile	maxpath	total	used	free	percent
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7. Network Stats

nic	bytes_sent	bytes_recv	packets_sent	packets_recv	errin	errout	dropin	dropout
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8. Network Conns

family	type	local_addr_ip	local_addr_port	remote_addr_ip	remote_addr_port	status	pid
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9. NIC Address

nic	family	address	netmask	broadcast	ptp
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10. NIC Info

nic	isup	duplex	speed	mtu
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Important!

Using [Get Process] as a Verification operation for any of the process to be running or not.

See the parameter setting below.

As shown in example below, the [Get Process] function can be used as a verification operation when the Proc Name check box is checked and a specific process to look for is given --- in this example "Excel". Please note that the Proc Name entry returns TRUE for a partial match and case insensitive.

Therefore, if you enter "chrome" at the Proc Name field, it will return TRUE for either chrome.exe and chromedriver.exe. To avoid mis-verification you must enter full process name like "chrome.exe" (case insensitive.)

Return Code can be used for the branching logic setup.

[0] means FOUND **and successful**

[1] means NOT FOUND.

[99] for any other **failure case** reply from the system.

Properties

Operation: Get Process

Proc Name: excel

[Learn about return value](#)

Return value

Result type: File

File name: C:\Users\sato3\Desktop\...

(File needs not ex...)

VariableName: {{my.a}}

Return code handler

Success code action

0 Proceed

Failure code action

1 JumpToOperation

Operation: 5

How to set the parameters.

See example below.

The image shows the configuration interface for the (P)Sys Info plugin. The interface includes several sections: Properties, Return value, and Return code handler. A dropdown menu for 'Operation' is open, showing a list of system functions. Callouts provide detailed explanations for the 'Operation' selection, the 'Result type' (CSV), and the 'Return code handler' settings.

Operation Selection: Select one from the list of functions (shown in the screen image to the right)

Proc Name: This option is for [Get Process] function. It is a "partial match" and non case sensitive.

Result type: CSV should be the typical Return Value selection. Headers vary from a function to another

Return code handler: As for the [Get Process] function, if there is a match the plugin returns [0] as the Return Code. If there is no match the Return Code would be [1]. Any other response form the system will result in the Return Code of [99].

Text from Image

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- Running GAS
- Scrapy Basic
- Screen Capture
- Screen Recording START
- Screen Recording STOP
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