REPLY

JaSONx

(User Guide)

REPLY

STATE OF THE DOCUMENT

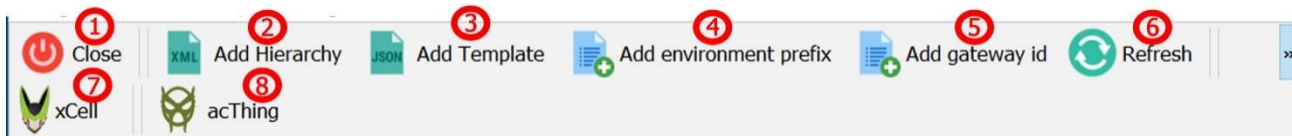| Review	Date	Changes	(Approved by)
1.0	2018-10-04	First release	
2.0	2017-10-16	Automation of data management from VEIG Hierarchy	
2.1	2017-11-09	Implementation of Activation of the AWS IoT things	

Contents

I. Introduction

JaSONx v 3.0. is the stand-alone application written in Python that is designated to:

- operate on the Data received from AWS Gateway in .XML format (Hierarchy)
- analyse and create .json files from it
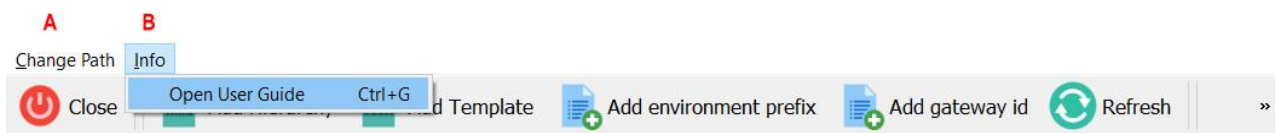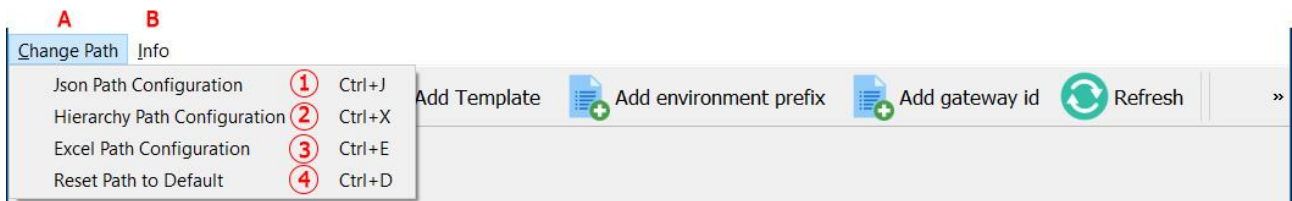- match the output .json with the template through analysis of measurement

II. Installation

!!!INMPORTANT!!!
App should be executed as an administrator

1. Close: closes the application
2. Add Hierarchy: Inputs the new file .xml to work on
3. Add Template: Imports new template(s) to execute the matching algorithm on. Can be added file-by-file or as a directory.
4. Add environmental prefix: prompts the window to input the environmental prefix manually
5. Add gateway id: prompts the window to Input the gateway id manually
6. Refresh: takes in the changes after using 1-5 buttons. If omitted data passed may be lost.
7. Generates Excel sheet on the base of data analysis.
8. Activates Thing

A. Change path: menu that contains local folder configuration

1. Json Path Configuration: opens widow that sets a path where .json files will be output

2. Hierarchy Path Configuration: opens widow sets up the path to .xml file

3. Excell Path Configuration: opens window that sets up the path to .xlml sheets
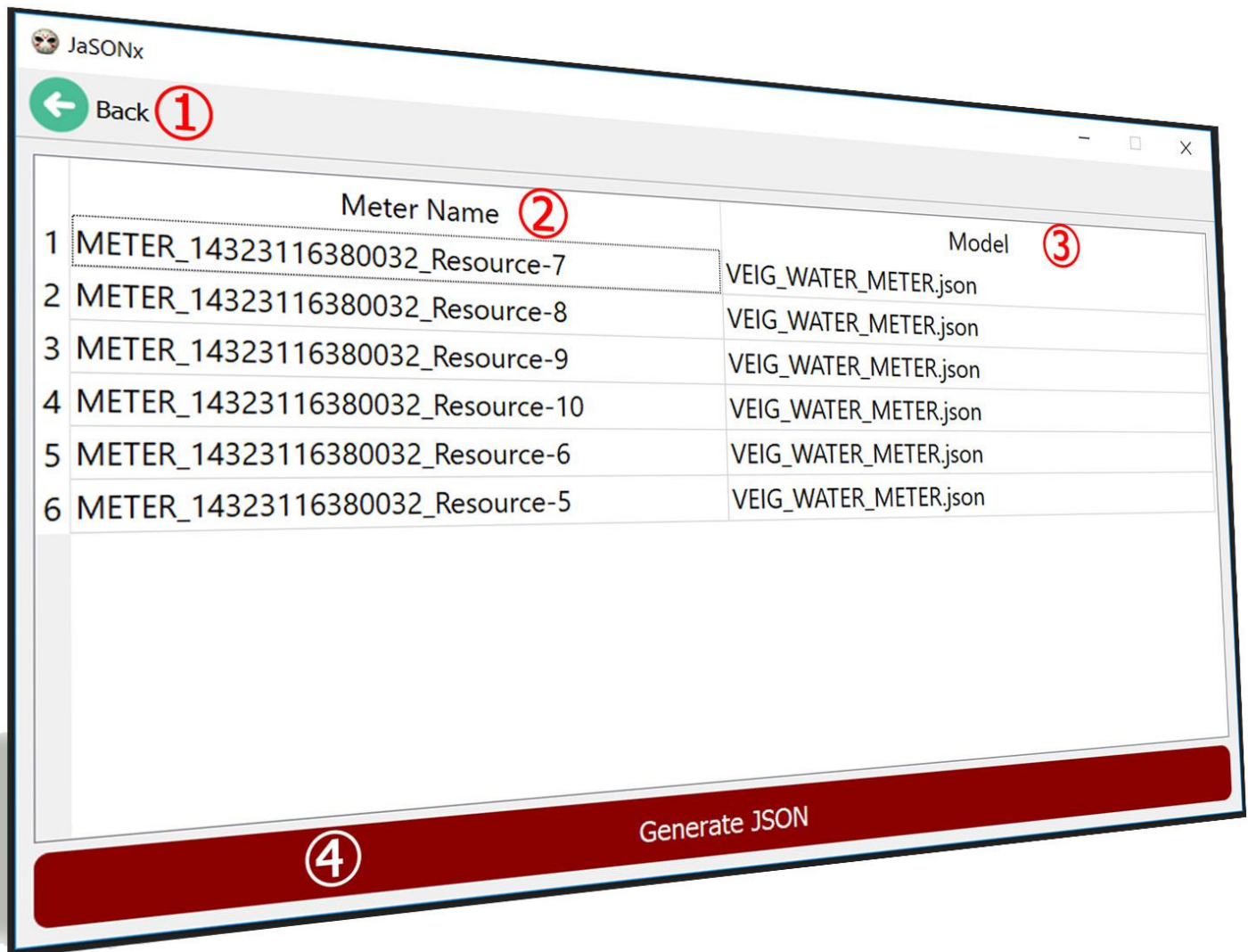
4. Resets to default all the paths

B. Opens User Guide

III. Workflow

1. Username
2. Password
3. Gateway Id
4. Environment prefix
5. Hierarchy
6. Send data

Standard usage of the interface: Enter username (1) and password (2), select the gateway id (3) and Environment prefix (4) and Hierarchy (5) from the list. If not found a specific entity, use the toolbar menu to add and click refresh.
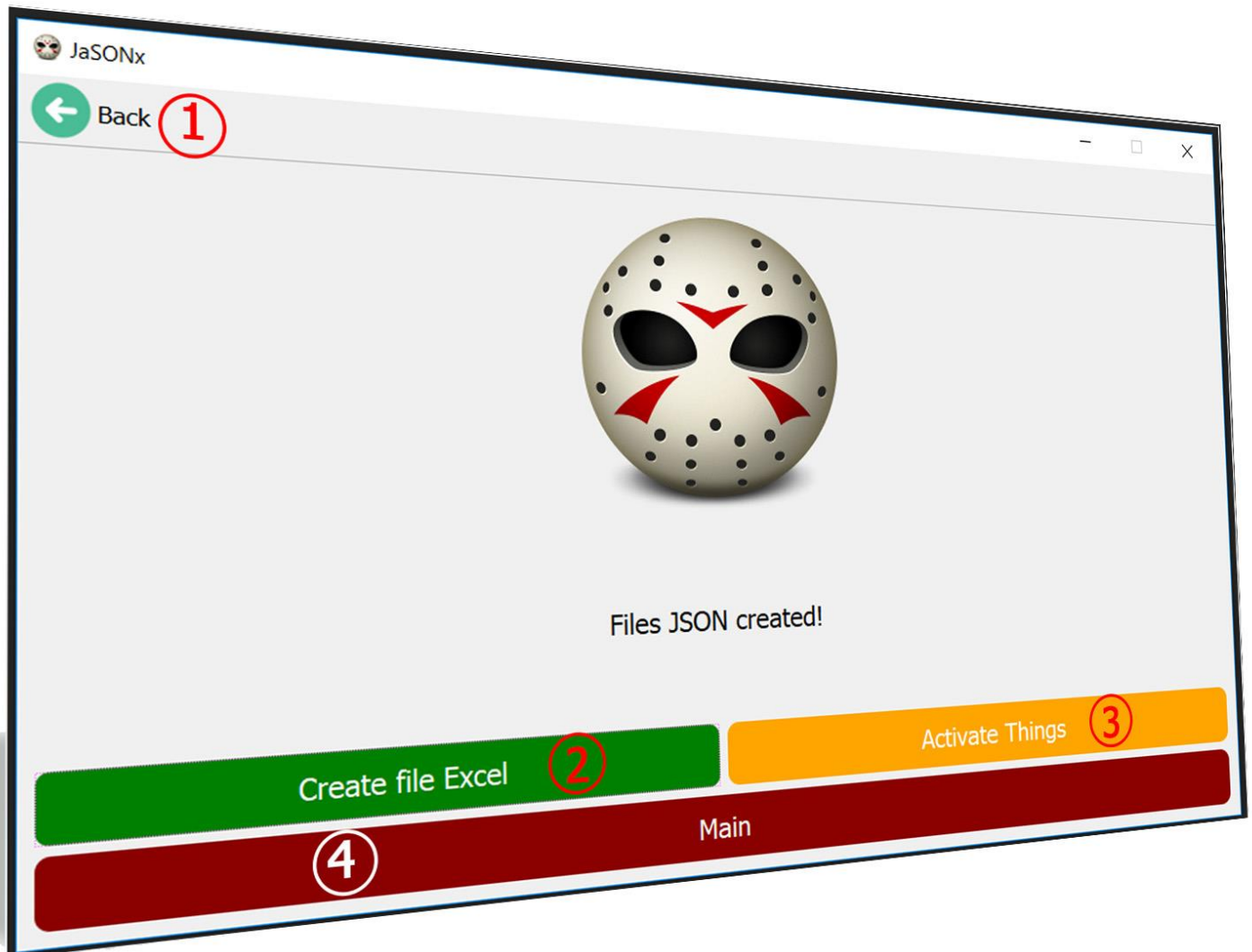
1) Back arrow
2) Name of effective meter found
3) Name of the effective model matched by the algorithm
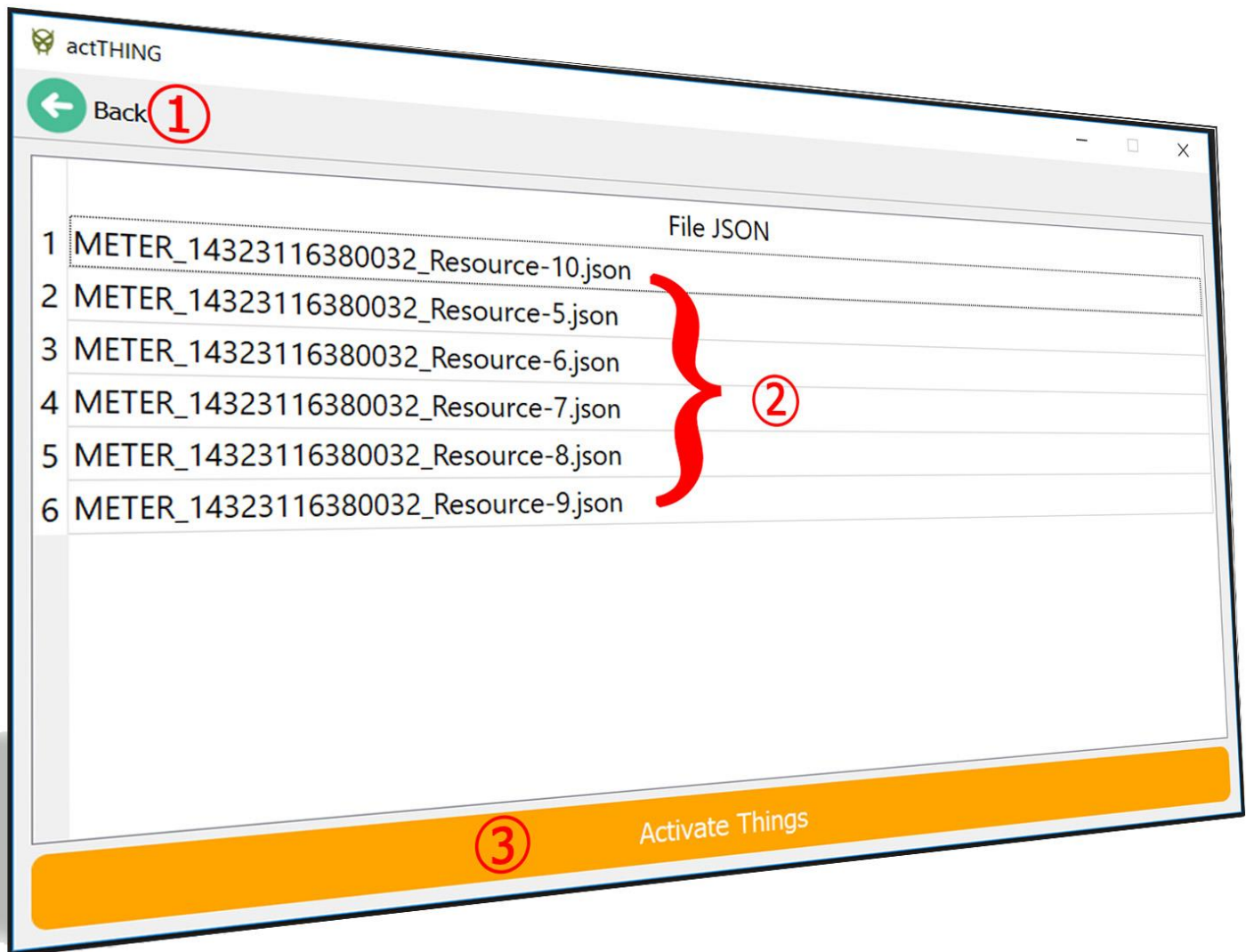4) Generate .json file button

Standart use of the interface: This window displays info of effective meters found in hierarchy (2) and assigned model (3) if none model is matched the "Model Not Found!" message is shown(See the Section Troubleshooting to resolve the "Model Not Found!" issue if needed) Click Generate JSON (4) button when acknowledged current data.

1) Button to the previous page of the application
2) Create button: runs the script to collect effective data and creates Excel sheet out of it

3) Activate things: brings you to the thing activation window
4) Main: turns back to the Main menu

Standard use of the interface: Once you find yourself on this window, the .json files from the processed data of the hierarchy already are created in the designated folder and here you can process with what to do about them. Create Excel (2) in the designated folder, or activate Things (3) using the generated .json as an effective payload for an API post.

1) Turns back to the previous menu
2) List of the created .json files to be used as a payload of the activation
3) Activate Things button

Standard use of the interface: Select the File from the list (2) and proceed to by activating corresponding Thing (3)

IV Troubleshooting

No files are being created after clicking Create JSON button	Make sure that you run an application as an administrator
"Model Not Found" is displayed in the template matching window interface	Make sure that you have a correct actual templates in the designated folder

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