



## JSON Parser Package

### Readme

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Version 2.0.13

16/05/2022

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# 1. Introduction

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This document contains all essential information for the user to make full use of this Automation 360 **JSON Parser Package**. It includes a description of the functions and capabilities and step-by-step procedures for setup & configuration of the **JSON Parser Package**.

## 1.1 Overview

The package provides actions to convert a JSON string into a dictionary variable and a dictionary variable into a JSON string.

## 1.2 Use cases

The key use cases include:

- Convert the output of a REST call to a dictionary
- Provide the JSON input data for a REST or HTTP call

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## 2. Requirements & Prerequisites

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### 2.1 System Requirements

- Enterprise Automation 360.24+

### 2.2 Prerequisites

No prerequisites

## 3. Getting Started

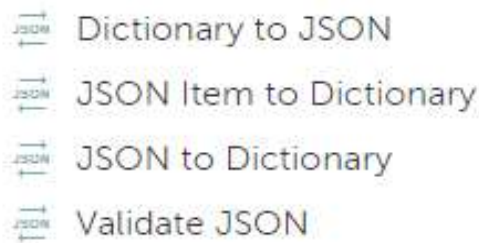
### 3.1 Quick Start

#### 3.1.1 Setup

Import the Automation 360 JSON Parser ion Package in the Control Room under Bots->Packages.

#### 3.1.2 Configuration and Use

The package contains the following command actions



| Name                     | Description                                                                 | Parameter                       |                                                          |
|--------------------------|-----------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------|
| JSON to Dictionary       | Converts a JSON string to Dictionary                                        | JSON String                     | JSON string to be converted                              |
|                          |                                                                             | Dictionary                      | Dictionary to store key/values of the JSON string        |
| Dictionary to JSON       | Converts a Dictionary to JSON string                                        | Dictionary with key/value pairs | Dictionary to be converted into JSON                     |
|                          |                                                                             | JSON String                     | Converted JSON string                                    |
| JSON Item to Dictionary  | Get Item in a JSON string and converts it to a Dictionary, see sample below | JSON String                     | JSON string to extract an item                           |
|                          |                                                                             | Query                           | Query in the format x.y to get item.<br>See sample below |
|                          |                                                                             | Dictionary                      | Dictionary to store key/values of the JSON string        |
| Validate JSON Dictionary | Check if string is a valid JSON string                                      | JSON String                     | JSON string to extract an item                           |
|                          |                                                                             | Result                          | True if valid JSON                                       |

## Sample for JSON Item to Dictionary

### JSON string

```
{"name":"karssssten","married":true,"address":{"city":"frankfurt","country":"germany","zip":60000,"location":{"long":50,"lat":50},"numbers":[83,5,6,7,333,222.342]}
```

1. Query - get the value of a sub element

*address.location.long*

### Result

Dictionary with one key/value pair

| Key  | Value |
|------|-------|
| long | 50.0  |

2. Query - get the n-th element of the array “numbers”

*numbers.4* : (Index 4 = fifth element)

### Result

Dictionary with one key/value pair

| Key | Value |
|-----|-------|
| 4   | 333   |

To get a certain element in an array , always add the index to the array key “<key>.<index>”



## 4. Support & FAQs

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### 4.1 Support

Free bots are not officially supported. You can get access to Community Support through the following channels:

- You can get access to Community Support, connecting with other Automation Anywhere customers and developers on [APeople](#) – the [Bot Building Forum](#), the [Bot Store Support Forum](#), or the [Developers Everywhere Group](#).
- Automation Anywhere also provides a [Product Documentation portal](#) which can be accessed for more information about our products and guidance on [Enterprise Automation 360](#).

### 4.2 FAQs

For questions relating to Enterprise Automation 360: See the [Enterprise Automation 360 FAQs](#).

## Appendix A: Record of Changes

*Instructions: Provide information on the version number, the date of the version, the author/owner of the version, and a brief description of the reason for creating the revised version.*

| No.      | Version Number | Date of Change | Author         | Notes                                               |
|----------|----------------|----------------|----------------|-----------------------------------------------------|
| <b>1</b> | 1.0.2          | 26/04/2020     | Stefan Karsten | Initial version                                     |
| <b>2</b> | 1.1.0          | 07/06/2020     | Stefan Karsten | Added Get Item action                               |
| <b>3</b> | 2.0.10         | 07/09/2021     | Stefan Karsten | Update to latest Bot runtime libs, bug fixing       |
| <b>4</b> | 2.0.10         | 19/10/2021     | Stefan Karsten | Document update how to address array elements       |
| <b>5</b> | 2.0.13         | 16/05/2022     | Stefan Karsten | Package SDK updated and new command "Validate JSON" |

## Appendix B: References

| No. | Topic                                             | Reference Link             |
|-----|---------------------------------------------------|----------------------------|
| 1   | Overview of Enterprise Automation 360             | Click <a href="#">here</a> |
| 2   | Guidance: Building basic Automation 360 bots      | Click <a href="#">here</a> |
| 3   | Guidance: Building Automation 360 action packages | Click <a href="#">here</a> |
| 4   | APeople Community Forum                           | Click <a href="#">here</a> |
| 5   | Automation Anywhere University                    | Click <a href="#">here</a> |