

# **JsonPreprocessor**

**v. 0.1.3**

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# Chapter 1

## Introduction

*Json Preprocessor*

!!! add introduction - if wanted !!

## Chapter 2

# Description

The json preprocessor:



TO BE CONTINUED

## Chapter 3

# CJsonPreprocessor.py

### 3.1 Class: CSyntaxType

```
JsonPreprocessor.CJsonPreprocessor
```

### 3.2 Class: CPythonJSONDecoder

```
JsonPreprocessor.CJsonPreprocessor
```

**Method: PythonJSONDecoder** Add python data types and syntax to json. True, False and None will be accepted as json syntax elements.

**Args: json.JSONDecoder (*object*)** Decoder object provided by `json.loads`

#### 3.2.1 Method: custom\_scan\_once

### 3.3 Class: CJsonPreprocessor

```
JsonPreprocessor.CJsonPreprocessor
```

CJsonPreprocessor extends the syntax of json.

Features are

- Allow c/c++-style comments within json files.  
// single line or part of single line and /\* \*/ multiline comments are possible
- Allow to import json files into json files  
"[import]" : "relative/absolute path", imports another json file to exactly this location.  
%variable% and \${variable} can be used, too.
- Allow use of variables within json files  
In any place the syntax \${basenode.subnode. ... nodename} allows to reference an already existing variable.  
Example:

```
{
  "basenode" : {
    subnode : {
      "myparam" : 5
    },
  },
  "myVar" : "${basenode.subnode.myparam}"
}
```

- Allow python data types True, False and None

### 3.3.1 Method: jsonLoad

**Method: jsonLoad** This function is the entry point of JsonPreprocessor.

It loads the json file, preprocesses it and returns the preprocessed result as data structure.

**Args: jFile** (*string*) relative/absolute path to main json file.

%envvariable% and \${envvariable} can be used, too in order to access environment variables.

**Returns: oJson** (*dict*) preprocessed json file(s) as data structure

# Chapter 4

## Appendix

About this package:

Table 4.1: Package setup

Setup parameter	Value
Name	JsonPreprocessor
Version	0.1.3
Date	05.07.2022
Description	Preprocessor for json files
Package URL	<a href="#">python-jsonpreprocessor</a>
Author	Mai Dinh Nam Son
Email	<a href="mailto:son.maidinhnam@vn.bosch.com">son.maidinhnam@vn.bosch.com</a>
Language	Programming Language :: Python :: 3
License	License :: OSI Approved :: Apache Software License
OS	Operating System :: OS Independent
Python required	>=3.0
Development status	Development Status :: 4 - Beta
Intended audience	Intended Audience :: Developers
Topic	Topic :: Software Development

## Chapter 5

# History

<b>0.1.0</b>	01/2022
<i>Initial version</i>	