

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	python-jsonpreprocessor
Author	Mai Dinh Nam Son
Email	son.maidinhnam@vn.bosch.com
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

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