JsonPreprocessor

v. 0.1.2

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Contents

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 a 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 /* */ multline comments are possible

- Allow to import json files into json files

  `"[import]" : "relative/absolute path"`, imports another json file to exactly this location.

  `%envariable%` and `${envariable}` 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	0.1.2
Date	01.07.2022
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
Initial version	