

# **RobotFramework\_Testsuites**

**v. 0.1.1**

Mai Dinh Nam Son

01.07.2022

# Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
<b>2</b>	<b>Description</b>	<b>2</b>
<b>3</b>	<b>CConfig.py</b>	<b>3</b>
3.1	Class: dotdict . . . . .	3
3.2	Class: CConfig . . . . .	3
3.2.1	Method: loadCfg . . . . .	3
3.2.2	Method: updateCfg . . . . .	3
3.2.3	Method: verifyRbfwVersion . . . . .	3
3.2.4	Method: versioncontrol_error . . . . .	4
<b>4</b>	<b>COnFailureHandle.py</b>	<b>5</b>
4.1	Class: COnFailureHandle . . . . .	5
4.1.1	Method: is_noney . . . . .	5
4.1.2	Method: register_keyword_run_on_failure . . . . .	5
<b>5</b>	<b>CSetup.py</b>	<b>6</b>
5.1	Class: CSetupKeywords . . . . .	6
5.1.1	Method: testsuite_teardown . . . . .	6
5.1.2	Method: testcase_setup . . . . .	6
5.1.3	Method: testcase_teardown . . . . .	6
5.1.4	Method: update_config . . . . .	6
5.2	Class: CGeneralKeywords . . . . .	6
<b>6</b>	<b>CStruct.py</b>	<b>7</b>
6.1	Class: CStruct . . . . .	7
<b>7</b>	<b>Event.py</b>	<b>8</b>
7.1	Class: Event . . . . .	8
7.1.1	Method: trigger . . . . .	8
<b>8</b>	<b>ScopeEvent.py</b>	<b>9</b>
8.1	Class: ScopeEvent . . . . .	9
8.1.1	Method: trigger . . . . .	9
8.2	Class: ScopeStart . . . . .	9

8.3	Class: ScopeEnd . . . . .	9
<b>9</b>	<b>__init__.py</b>	<b>10</b>
9.1	Function: on . . . . .	10
9.2	Function: dispatch . . . . .	10
9.3	Function: register_event . . . . .	10
<b>10</b>	<b>LibListener.py</b>	<b>11</b>
10.1	Class: LibListener . . . . .	11
<b>11</b>	<b>__init__.py</b>	<b>12</b>
11.1	Class: RobotFramework.Testsuites . . . . .	12
11.1.1	Method: get_keyword_tags . . . . .	12
11.1.2	Method: get_keyword_documentation . . . . .	12
11.1.3	Method: failure_occurred . . . . .	12
11.2	Class: CTestsuitesCfg . . . . .	12
<b>12</b>	<b>version.py</b>	<b>13</b>
12.1	Function: robfwaio_version . . . . .	13
<b>13</b>	<b>Appendix</b>	<b>14</b>
<b>14</b>	<b>History</b>	<b>15</b>

# Chapter 1

## Introduction

*RobotFramework.Testsuites*

!!! add introduction - if wanted !!

## Chapter 2

# Description

The RobotFramework AIO testsuites management:  
TO BE CONTINUED

# Chapter 3

## CConfig.py

### 3.1 Class: dotdict

```
RobotFramework.Testsuites.Config.CConfig
```

### 3.2 Class: CConfig

```
RobotFramework.Testsuites.Config.CConfig
```

Defines the properties of configuration Holds the identified config files. Level1 is highest priority, Level4 is lowest priority.

(remaining content needs to be fixed and restored)

#### 3.2.1 Method: loadCfg

#### 3.2.2 Method: updateCfg

staticmethod updateParams: This method updates preprocessor, global or local params base on ROBFW local config or any json config file according to purpose of specific testsuite.

**Args:** sUpdateCfgFile: str

**Returns:** None

#### 3.2.3 Method: verifyRbfwVersion

Validate the current robotframework version with maximum and minimum version (if provided in the configuration file). In case the current version is not between min and max version, then the execution of testsuite is terminated with "unknown" state Method: bValidateMinVersion -----

Validate current version with required minimum version. Method: bValidateMaxVersion -----  
-----

Validate current version with required maximum version. Method: bValidateSubVersion -----  
-----

Validate the format of provided sub version and parse it into sub tuple for version comparison. Method: tupleVersion -----

Return a tuple which contains the (major, minor, patch) version.

(remaining content needs to be fixed and restored)

### 3.2.4 Method: `versioncontrol_error`

Wrapper version control error log: Log error message of version control due to reason and set to unknown state. reason can only be "conflict\_min", "conflict\_max" and "wrong\_minmax".

## Chapter 4

# COnFailureHandle.py

### 4.1 Class: COnFailureHandle

```
RobotFramework.Testsuites.Keywords.COnFailureHandle
```

#### 4.1.1 Method: is\_noney

#### 4.1.2 Method: register\_keyword\_run\_on\_failure

TBD



# Chapter 5

## CSetup.py

### 5.1 Class: CSetupKeywords

```
RobotFramework.Testsuites.Keywords.CSetup
```

Definition setup keywords Method: testsuite\_setup -----

#### 5.1.1 Method: testsuite\_teardown

#### 5.1.2 Method: testcase\_setup

#### 5.1.3 Method: testcase\_teardown

#### 5.1.4 Method: update\_config

### 5.2 Class: CGeneralKeywords

```
RobotFramework.Testsuites.Keywords.CSetup
```

Definition setup keywords Method: get\_config -----

oConfigParams: is the dictionary consist of some configuration params which are return to user from  
get\_config\_params keyword Method: load\_json -----

# Chapter 6

## CStruct.py

### 6.1 Class: CStruct

```
RobotFramework.Testsuites.Utls.CStruct
```

Constructor `__init__` creates the given attributes dynamically at runtime.

Args:

Attributes to be created with the initial value

Returns:

Accessible attributes

# Chapter 7

## Event.py

### 7.1 Class: Event

```
RobotFramework.Testsuites.Utils/Events.Event
```

#### 7.1.1 Method: trigger

# Chapter 8

## ScopeEvent.py

### 8.1 Class: ScopeEvent

```
RobotFramework.Testsuites.Utils/Events.ScopeEvent
```

#### 8.1.1 Method: trigger

### 8.2 Class: ScopeStart

```
RobotFramework.Testsuites.Utils/Events.ScopeEvent
```

### 8.3 Class: ScopeEnd

```
RobotFramework.Testsuites.Utils/Events.ScopeEvent
```

## Chapter 9

### `__init__.py`

9.1 Function: `on`

9.2 Function: `dispatch`

9.3 Function: `register_event`

## Chapter 10

# LibListener.py

### 10.1 Class: LibListener

```
RobotFramework.Testsuites.Utills.LibListener
```

Define some hook methods

# Chapter 11

## `__init__.py`

### 11.1 Class: `RobotFramework_Testsuites`

```
RobotFramework_Testsuites.__init__
```

`RobotFramework_Testsuites` is the Bosch testing library for Robot Framework. `RobotFramework_Testsuites` control peripheral devices, tools and target under testing. Method: `run_keyword`  
-----

11.1.1 Method: `get_keyword_tags`

11.1.2 Method: `get_keyword_documentation`

11.1.3 Method: `failure_occurred`

### 11.2 Class: `CTestsuitesCfg`

```
RobotFramework_Testsuites.__init__
```

# Chapter 12

## version.py

### 12.1 Function: robfwaio\_version

Return testsuitemanagement version as Robot framework AIO version



# Chapter 13

## Appendix

About this package:

Table 13.1: Package setup

Setup parameter	Value
Name	RobotFramework_Testsuites
Version	0.1.1
Date	01.07.2022
Description	Functionality to manage RobotFramework testsuites
Package URL	<a href="#">robotframework-testsuitesmanagement</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 14

# History

0.1.0	06/2022
<i>Initial version</i>	

---

**RobotFramework-Testsuites.pdf**

*Created at 01.07.2022 - 11:02:12*

*by GenPackageDoc v. 0.20.1*

---