

# **RobotResults2RQM**

**v. 1.1.1**

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# Chapter 1

## Introduction

[RobotResults2RQM](#) tool provides the ability to interact with RQM resources (test plan, test case, build, ...).

**[RobotResults2RQM](#) tool uses [RqmAPI](#) to:**

- get resource: by given ID or all vailable entities of resource type.
- update resource: by given ID.
- create new resource: with resource templates under [RQM\\_templates](#) folder

# Chapter 2

## Description

### 2.1 Sample RobotFramework Testcase:

For test case management, we need some traceable information such as version, testcase ID, component, ... to manage and track testcase(s) on RQM.

So, this information can be provided in `Metadata` (for the whole testsuite/execution info: version, build, ...) and `[Tags]` information (for specific testcase info: component, testcase ID, requirement ID, ...).

Sample Robot testcase with the necessary information for importing to RQM: :

```
*** Settings ***
Metadata    project      ROBFW          # Test Environment
Metadata    version_sw   SW_VERSION_0.1 # Build Record
Metadata    component    Import_Tools   # Component - is used for test case
Metadata    machine       ${COMPUTERNAME} # Hostname
Metadata    team-area     Internet Team RQM # team-area (case-sensitive)

*** Test Cases ***
Testcase 01
    [Documentation]    This test is traceable with provided tcid
    [Tags]             TCID-1001    FID-112    FID-111    ↔
    ↪ robotfile=https://github.com/test-fullautomation
    Log                This is Testcase 01

Testcase 02
    [Documentation]    This new testcase will be created if -createmissing argument
    ...               ... is provided when importing
    [Tags]            FID-113    robotfile=https://github.com/test-fullautomation
    Log                This is Testcase 02
```

### 2.2 Tool features:

By default, tool will base on provided arguments (see Usage) and `tcid` information in Robot test case(s) to:

- Login the RQM server and verify the provided `project` , `testplan` .
- Create build record and test environment (if already provided in Robot test case and not existing on RQM) for execution.
- Create new Test Case Execution Record - TCER (if it is not existing) bases on test case ID and `testplan` ID.
- Create new Test Case Execution Result which contents the detail and result state of test case.
- Link all test case(s) to provided `testplan` .

Besides, `RobotResults2RQM` tool also supports to:

- Create new test case(s) which is not existing on RQM (do not have `tcid` information) while importing result(s) to RQM with optional argument `-createmissing` .
- Update information (such as testcase name, Requirement ID, ...) of existing testcase on RQM with optional argument `-updatetestcase` .

## 2.3 Robot Testcase information on RQM:

For more detail how the RobotFramework testcase information is displayed on RQM, please refer be mapping table:

RQM data		RobotFramework	
Resource	Attribute/ Field	Testsuite/Testcase	Output.xml
Build Record	Title	Metadata version_sw Build	//suite/metadata/item[@name="version_sw"]
Test Environment	Title	Metadata project Environment	//suite/metadata/item[@name="project"]
Test Case	ID	[Tags] tcid-xxx	//suite/test/tags/tag[@text="tcid-xxx"]
	Name	tesname	//suite/test/@name
	Team Area	Metadata team-area Team_Area	//suite/metadata/item[@name="team-area"]
	Description	test doc - [Documentation]	//suite/test/doc/@text
	Owner	provided user in cli	
	Component/ Categories	Metadata component Component	//suite/metadata/item[@name="component"]
	Requirement ID	[Tags] fid-yyy	//suite/test/tags/tag[@text="fid-yyy"]
	Robot File	[Tags] robotfile-zzz	//suite/test/tags/tag[@text="robotfile-zzz"]
Test Case Execution Record (TCER)	Owner	provided user in cli	
	Team Area	Metadata team-area Team_Area	//suite/metadata/item[@name="team-area"]
	Test Plan	Interaction URL to provided testplan in cli	
	Test Case	Interaction URL to provided testcase ID: provided tcid in [Tags]: tcid-xxx or generated tcid when using -createmissing	//suite/test/tags/tag[@text="tcid-xxx"]
	Test Environment	Metadata project Environment	//suite/metadata/item[@name="project"]
Test Result	Owner	provided user in cli	
	Tested By	provided user in cli - userid must be used	
	Team Area	Metadata team-area Team_Area	//suite/metadata/item[@name="team-area"]
	Actual Result	Test case result (PASSED, FAILED, UNKNOWN)	//suite/test/status/@status
	Host Name	Metadata machine ↔ ↔ % {COMPUTERNAME}	//suite/metadata/item[@name="machine"]
	Test Plan	Interaction URL to provided testplan in cli	
	Test Case	Interaction URL to provided testcase ID: provided tcid in [Tags]: tcid-xxx or generated tcid when using -createmissing	//suite/test/tags/tag[@text="tcid-xxx"]
	Test Case Execution Record	Interaction URL to TCER ID	
	Build	Metadata version_sw Build	//suite/metadata/item[@name="version_sw"]
	Start Time	Test case start time	//suite/test/status/@starttime
	End Time	Test case end time	//suite/test/status/@endtime
	Total Run Time	Calculated from start and end time	
	Result Details	Test case message log	//suite/test/status/@text

Table 2.1: RQM data &amp; RobotFramework testcase/output.xml

## Chapter 3

# CRQM.py

### 3.1 Function: get\_xml\_tree

Parse xml object from file.

**Arguments:**

- `file_name`  
*/ Condition:* required */ Type:* str */*  
Path to file or file-like object.
- `bddtd_validation`  
*/ Condition:* optional */ Type:* bool */*  
If True, validate against a DTD referenced by the document.

**Returns:**

- `oTree`  
*/ Type:* lxml.etree.\_ElementTree object */*  
The xml etree object.

### 3.2 Class: CRQMClient

```
RobotResults2RQM.CRQM
```

CRQMClient class uses RQM REST APIs to get, create and update resources (testplan, testcase, test result, ...) on RQM - Rational Quality Manager

**Resoure type mapping:**

- `buildrecord`: Build Record
- `configuration`: Test Environment
- `testplan`: Test Plan
- `testsuite`: Test Suite
- `suiteexecutionrecord`: Test Suite Execution Record (TSER)
- `testsuitelog`: Test Suite Log
- `testcase`: Test Case
- `executionworkitem`: Test Execution Record (TCER)
- `executionresult`: Execution Result



### 3.2.1 Method: login

Log in RQM by provided user & password.

**Arguments:**

(no arguments)

**Returns:**

- bSuccess  
/ Type: bool /  
Indicates if the computation of the method login was successful or not.

### 3.2.2 Method: verifyProjectName

Verify the project name by searching it in project-areas XML response.

**Arguments:**

(no arguments)

**Returns:**

- bSuccess  
/ Type: bool /  
Indicates if the computation of the method verifyProjectName was successful or not.

### 3.2.3 Method: disconnect

Disconnect from RQM.

**Arguments:**

(no arguments)

**Returns:**

(no returns)

### 3.2.4 Method: config

Configure RQMClient with testplan ID, build, configuration, createmissing, ...

- Verify the existence of provided testplan ID.
- Verify the existences of provided build and configuration names before creating new ones.

**Arguments:** \*plan\_id

/ Condition: required / Type: str /

Testplan ID of RQM project for importing result(s).

- build\_name  
/ Condition: optional / Type: str / Default: None /  
The Build Record for linking result(s). Set it to None if not be used, the empty name " will lead to error.
- config\_name  
/ Condition: optional / Type: str / Default: None /  
The Test Environment for linking result(s). Set it to None if not be used, the empty name " may lead to error.
- createmissing

/ *Condition*: optional / *Type*: bool / *Default*: False /

If True, the testcase without tcid information will be created on RQM.

- `update_testcase`

/ *Condition*: optional / *Type*: bool / *Default*: False /

If True, the information of testcase on RQM will be updated bases on robot testfile.

- `suite_id` (optional)

/ *Condition*: optional / *Type*: str / *Default*: None /

Testsuite ID of RQM project for importing result(s).

#### Returns:

(no returns)

### 3.2.5 Method: `userURL`

Return interaction URL of provided userID

#### Arguments:

- `userID`

/ *Condition*: required / *Type*: str /

The user ID.

#### Returns:

- `userURL`

/ *Type*: str /

The interaction URL of provided userID.

### 3.2.6 Method: `integrationURL`

Return interaction URL of provided resource and ID. The provided ID can be `internalID` (contains only digits) or `externalID`.

#### Arguments:

- `resourceType`

/ *Condition*: required / *Type*: str /

The RQM resource type (e.g. "testplan", "testcase", ...).

- `id`

/ *Condition*: optional / *Type*: str / *Default*: None /

**The ID of given resource.** If given: the specified url to resource ID is returned. If 'None': the url to resource type (to get all entity) is returned.

- `forceInternalID`

/ *Condition*: optional / *Type*: bool / *Default*: False /

If True, force to return the url of resource as internal ID.

#### Returns:

- `integrationURL`

/ *Type*: str /

The interaction URL of provided resource and ID.

### 3.2.7 Method: webIDfromResponse

Get internal ID (number) from response of POST method.

**Note:** Only executionresult has response text. Other resources has only response header.

**Arguments:**

- response  
/ *Condition*: required / *Type*: str /  
The xml response from POST method for parsing ID information.
- tagID  
/ *Condition*: optional / *Type*: str / *Default*: 'rqm:resultId' /  
Tag name which contains ID information.

**Returns:**

- resultId  
/ *Type*: str /  
The internal ID (as number).

### 3.2.8 Method: webIDfromGeneratedID

Return web ID (ns2:webId) from generate ID by get resource data from RQM.

**Note:**

- This method is only used for generated testcase, executionworkitem and executionresult.
- buildrecord and configuration does not have ns2:webId in response data.

**Arguments:**

- resourrrceType  
/ *Condition*: required / *Type*: str /  
The RQM resource type.
- generateID  
/ *Condition*: required / *Type*: str /  
The Slug ID which is returned in Content-Location from POST response.

**Returns:**

- webID  
/ *Type*: str /  
The web ID (as number).

### 3.2.9 Method: getResourceByID

Return data of provided resource and ID by GET method

**Arguments:**

- resourceType  
*/ Condition: required / Type: str /*  
The RQM resource type.
- id  
*/ Condition: required / Type: str /*  
ID of resource.

**Returns:**

- res  
*/ Type: Response object /*  
Response data of GET request.

### 3.2.10 Method: getAllByResource

Return all entries (in all pages) of provided resource by GET method.

**Arguments:**

- resourceType  
*/ Condition: required / Type: str /*  
The RQM resource type.

**Returns:**

- dReturn  
*/ Type: dict /*  
A dictionary which contains response status, message and data.  
Example:

```
{
  'success' : False,
  'message' : '',
  'data'    : {}
}
```

### 3.2.11 Method: getAllBuildRecords

Get all available build records of project on RQM and store them into dBuildVersion property.

**Arguments:**

*(no arguments)*

**Returns:**

*(no returns)*

### 3.2.12 Method: getAllConfigurations

Get all available configurations of project on RQM and store them into dConfiguration property.

**Arguments:**

(no arguments)

**Returns:**

(no returns)

### 3.2.13 Method: getAllTeamAreas

Get all available team-areas of project on RQM and store them into dTeamAreas property.

Example:

```
{
  'teamA' :
    ↳ '{host}/qm/process/project-areas/{project-id}/team-areas/{teamA-id}',
  'teamB' :
    ↳ '{host}/qm/process/project-areas/{project-id}/team-areas/{teamB-id}'
}
```

**Arguments:**

(no arguments)

**Returns:**

(no returns)

### 3.2.14 Method: addTeamAreaNode

Append team-area node which contains URL to given team-area into xml template.

**Note:** team-area information is case-casesensitive

**Arguments:**

- root
  - / Condition: required / Type: Element object /
  - The xml root object.
- sTeam
  - / Condition: required / Type: str /
  - Team name to be added.

**Returns:**

- root
  - / Type: str /
  - The xml root object with addition team-area node.

### 3.2.15 Method: createTestcaseTemplate

Return testcase template from provided information.

**Arguments:**

- testcaseName

*/ Condition: required / Type: str /*  
 Testcase name.

- sDescription

*/ Condition: optional / Type: str / Default: " /*  
 Testcase description.

- sComponent

*/ Condition: optional / Type: str / Default: " /*  
 Component which testcase is belong to.

- sFID

*/ Condition: optional / Type: str / Default: " /*  
 Function ID (requirement ID) for linking.

- sTeam

*/ Condition: optional / Type: str / Default: " /*  
 Team name for linking.

- sRobotFile

*/ Condition: optional / Type: str / Default: " /*  
 Link to robot file on source control.

- sTestType

*/ Condition: optional / Type: str / Default: " /*  
 Test type information.

- sASIL

*/ Condition: optional / Type: str / Default: " /*  
 ASIL information.

- sOwnerID

*/ Condition: optional / Type: str / Default: " /*  
 User ID of testcase owner.

- sTCtemplate

*/ Condition: optional / Type: str / Default: None /*  
 Existing testcase template as xml string.  
 If not provided, template file under RQM\_templates is used as default.

### Returns:

- sTCxml

*/ Type: str /*  
 The xml testcase template as string.

### 3.2.16 Method: createTCERTemplate

Return testcase execution record template from provided information.

**Arguments:**

- testcaseID
  - / *Condition*: required / *Type*: str /
  - Testcase ID for linking.
- testCaseName
  - / *Condition*: required / *Type*: str /
  - Testcase name.
- testplanID
  - / *Condition*: required / *Type*: str /
  - Testplan ID for linking.
- confID
  - / *Condition*: optional / *Type*: str / *Default*: " /
  - Configuration - Test Environment for linking.
- sTeam
  - / *Condition*: optional / *Type*: str / *Default*: " /
  - Team name for linking.
- sOwnerID
  - / *Condition*: optional / *Type*: str / *Default*: " /
  - User ID of testcase owner.

**Returns:**

- sTCERxml
  - / *Type*: str /
  - The xml testcase execution record template as string.

### 3.2.17 Method: createExecutionResultTemplate

Return testcase execution result template from provided information.

**Arguments:**

- testcaseID
  - / *Condition*: required / *Type*: str /
  - Testcase ID for linking.
- testCaseName
  - / *Condition*: required / *Type*: str /
  - Testcase name.
- testplanID
  - / *Condition*: required / *Type*: str /
  - Testplan ID for linking.
- TCERID

*/ Condition:* required */ Type:* str */*  
 Testcase execution record (TCER) ID for linking.

- `resultState`

*/ Condition:* required */ Type:* str */*  
 Testcase result status.

- `startTime`

*/ Condition:* required */ Type:* str */*  
 Testcase start time.

- `endTime`

*/ Condition:* optional */ Type:* str */ Default:* " */*  
 Testcase end time.

- `duration`

*/ Condition:* optional */ Type:* str */ Default:* " */*  
 Testcase duration.

- `testPC`

*/ Condition:* optional */ Type:* str */ Default:* " */*  
 Test PC which executed testcase.

- `testBy`

*/ Condition:* optional */ Type:* str */ Default:* " */*  
 User ID who executed testcase.

- `lastlog`

*/ Condition:* optional */ Type:* str */ Default:* " */*  
 Traceback information (for Failed testcase).

- `buildrecordID`

*/ Condition:* optional */ Type:* str */ Default:* " */*  
 Build Record ID for linking.

- `sTeam`

*/ Condition:* optional */ Type:* str */ Default:* " */*  
 Team name for linking.

- `sOwnerID`

*/ Condition:* optional */ Type:* str */ Default:* " */*  
 User ID of testcase owner.

## Returns:

- `sTCResultxml`

*/ Type:* str */*  
 The xml testcase result template as string.



### 3.2.18 Method: createBuildRecordTemplate

Return build record template from provided build name.

**Arguments:**

- buildName  
/ *Condition*: required / *Type*: str /  
Build Record name.

**Returns:**

- sBuildxml  
/ *Type*: str /  
The xml build template as string.

### 3.2.19 Method: createConfigurationTemplate

Return configuration - Test Environment template from provided configuration name.

**Arguments:**

- buildName  
/ *Condition*: required / *Type*: str /  
Configuration - Test Environment name.

**Returns:**

- sEnvironmentxml  
/ *Type*: str /  
The xml test environment template as string.

### 3.2.20 Method: createTSERTemplate

Return testsuite execution record (TSER) template from provided configuration name.

**Arguments:**

- testsuiteID  
/ *Condition*: required / *Type*: str /  
Testsuite ID.
- testsuiteName  
/ *Condition*: required / *Type*: str /  
Testsuite name.
- testplanID  
/ *Condition*: required / *Type*: str /  
Testplan ID for linking.
- confID  
/ *Condition*: optional / *Type*: str / *Default*: " /  
Configuration - Test Environment ID for linking.
- sOwnerID

*/ Condition: optional / Type: str / Default: " /*  
 User ID of testsuite owner.

#### Returns:

- sTSxml  
*/ Type: str /*  
 The xml testsuite template as string.

### 3.2.21 Method: createTestsuiteResultTemplate

Return testsuite execution result template from provided configuration name.

#### Arguments:

- testsuiteID  
*/ Condition: required / Type: str /*  
 Testsuite ID.
- testsuiteName  
*/ Condition: required / Type: str /*  
 Testsuite name.
- TSERID  
*/ Condition: required / Type: str /*  
 Testsuite execution record (TSER) ID for linking.
- lTCER  
*/ Condition: required / Type: str /*  
 List of testcase execution records (TCER) for linking.
- lTCResults  
*/ Condition: required / Type: str /*  
 List of testcase results for linking.
- startTime  
*/ Condition: optional / Type: str / Default: " /*  
 Testsuite start time.
- endTime  
*/ Condition: optional / Type: str / Default: " /*  
 Testsuite end time.
- duration  
*/ Condition: optional / Type: str / Default: " /*  
 Testsuite duration.
- sOwnerID  
*/ Condition: optional / Type: str / Default: " /*  
 User ID of testsuite owner.

#### Returns:

- sTSResultxml  
*/ Type: str /*  
 The xml testsuite result template as string.

### 3.2.22 Method: createResource

Create new resource with provided data from template by POST method.

#### Arguments:

- resourceType  
/ Condition: required / Type: str /  
Resource type.
- content  
/ Condition: required / Type: str /  
The xml template as string.

#### Returns:

- returnObj  
/ Type: dict /  
A dictionary reponse which contains status, ID, status\_code and error message.  
Example:

```
{
  'success' : False,
  'id': None,
  'message': '',
  'status_code': ''
}
```

### 3.2.23 Method: createBuildRecord

Create new build record.

#### Arguments:

- sBuildSWVersion  
/ Condition: required / Type: str /  
Build version - Build Record name.
- forceCreate  
/ Condition: optional / Type: bool / Default: False /  
If True, force to create new build record without existing verification.

#### Returns:

- returnObj  
/ Type: dict /  
A dictionary reponse which contains status, ID, status\_code and error message.  
Example:

```
{
  'success' : False,
  'id': None,
  'message': '',
  'status_code': ''
}
```

### 3.2.24 Method: createConfiguration

Create new configuration - test environment.

**Arguments:**

- sConfigurationName  
*/ Condition: required / Type: str /*  
Configuration - Test Environment name.
- forceCreate  
*/ Condition: optional / Type: str / Default: False /*  
If True, force to create new Test Environment without existing verification.

**Returns:**

- returnObj  
*/ Type: dict /*  
A dictionary reponse which contains status, ID, status\_code and error message.  
Example:

```
{
  'success' : False,
  'id': None,
  'message': '',
  'status_code': ''
}
```

### 3.2.25 Method: updateResourceByID

Update data of provided resource and ID by PUT method.

**Arguments:**

- resourceType  
*/ Condition: required / Type: str /*  
Resource type.
- id  
*/ Condition: required / Type: str /*  
Resource id.
- content  
*/ Condition: required / Type: str /*  
The xml template as string.

**Returns:**

- res  
*/ Type: Response object /*  
Response object from PUT request.

### 3.2.26 Method: linkListTestcase2Testplan

Link list of test cases to provided testplan ID.

#### Arguments:

- testplanID  
*/ Condition: required / Type: str /*  
Testplan ID to link given testcase(s).
- lTestcases  
*/ Condition: optional / Type: list / Default: None /*  
List of testcase(s) to be linked with given testplan.  
If not provide, lTestcaseIDs property will be used as list of testcase.

#### Returns:

- returnObj  
*/ Type: dict /*  
Response dictionary which contains status and error message.  
Example:

```
{
  'success' : False,
  'message': ''
}
```

### 3.2.27 Method: linkListTestcase2Testsuite

Link list of test cases to provided testsuite ID

#### Arguments:

- testsuiteID  
*/ Condition: required / Type: str /*  
Testsuite ID to link given testcase(s).
- lTestcases  
*/ Condition: optional / Type: list / Default: None /*  
List of testcase(s) to be linked with given testplan.  
If not provide, lTestcaseIDs property will be used as list of testcase.

#### Returns:

- returnObj  
*/ Type: dict /*  
Response dictionary which contains status and error message.  
Example:

```
{
  'success' : False,
  'message': ''
}
```

## Chapter 4

### `__init__.py`

RobotResults2RQM package provides an interface to import robot result(s) from output.xml result file to IBM Rational Quality Manager (RQM).

## Chapter 5

# robot2rqm.py

### 5.1 Function: get\_from\_tags

Extract testcase information from tags.

**Example:** TCID-xxxx, FID-xxxx, ...

**Arguments:**

- lTags  
*/ Condition: required / Type: list /*  
List of tag information.
- reInfo  
*/ Condition: required / Type: str /*  
Regex to get the expectedated info (ID) from tag info.

**Returns:**

- lInfo  
*/ Type: list /*  
List of expected information (ID)

### 5.2 Function: convert\_to\_datetime

Convert time string to datetime.

**Arguments:**

- time  
*/ Condition: required / Type: str /*  
String of time.

**Returns:**

- dt  
*/ Type: datetime object /*  
Datetime object.

## 5.3 Function: process\_suite\_metadata

Try to find metadata information from all suite levels.

Metadata at top suite level has a highest priority.

### Arguments:

- suite  
/ *Condition*: required / *Type*: TestSuite object /  
Robot suite object.
- default\_metadata  
/ *Condition*: optional / *Type*: dict / *Default*: DEFAULT\_METADATA /  
Initial Metadata information for updating.

### Returns:

- dMetadata  
/ *Type*: dict /  
Dictionary of Metadata information.

## 5.4 Function: process\_metadata

Extract metadata from suite result bases on DEFAULT\_METADATA.

### Arguments:

- metadata  
/ *Condition*: required / *Type*: dict /  
Robot metadata object.
- default\_metadata  
/ *Condition*: optional / *Type*: dict / *Default*: DEFAULT\_METADATA /  
Initial Metadata information for updating.

### Returns:

- dMetadata  
/ *Type*: dict /  
Dictionary of Metadata information.

## 5.5 Function: process\_suite

Process robot suite for importing to RQM.

### Arguments:

- RQMClient  
/ *Condition*: required / *Type*: RQMClient object/  
RQMClient object.
- suite  
/ *Condition*: required / *Type*: TestSuite object/  
Robot suite object.

### Returns:

(no returns)



## 5.6 Function: process\_test

Process robot test for importing to RQM.

### Arguments:

- RQMClient
  - / *Condition*: required / *Type*: RQMClient object/  
RQMClient object.
- test
  - / *Condition*: required / *Type*: TestCase object/  
Robot test object.

### Returns:

(no returns)

## 5.7 Function: RobotResults2RQM

Import robot results from output.xml to RQM - IBM Rational Quality Manager.

### Flow to import Robot results to RQM:

1. Process provided arguments from command line
2. Login Rational Quality Management (RQM)
3. Parse Robot results
4. Import results into RQM
5. Link all executed testcases to provided testplan/testsuite ID

### Arguments:

- args
  - / *Condition*: required / *Type*: ArgumentParser object /

#### Argument parser object which contains:

- outputfile : path to the output file or directory with output files to be imported.
- host : RQM host url.
- project : RQM project name.
- user : user for RQM login.
- password : user password for RQM login.
- testplan : RQM testplan ID.
- recursive : if True, then the path is searched recursively for log files to be imported.
- createmissing : if True, then all testcases without fcid are created when importing.
- updatetestcase : if True, then testcases information on RQM will be updated bases on robot testfile.
- dryrun : if True, then just check the RQM authentication and show what would be done.

### Returns:

(no returns)

## 5.8 Class: Logger

```
RobotResults2RQM.robot2rqm
```

Logger class for logging message.

### 5.8.1 Method: config

Configure Logger class.

#### Arguments:

- `output_console`  
*/ Condition: optional / Type: bool / Default: True /*  
 Write message to console output.
- `output_logfile`  
*/ Condition: optional / Type: str / Default: None /*  
 Path to log file output.
- `indent`  
*/ Condition: optional / Type: int / Default: 0 /*  
 Offset indent.
- `dryrun`  
*/ Condition: optional / Type: bool / Default: True /*  
 If set, a prefix as 'dryrun' is added for all messages.

#### Returns:

(no returns)

### 5.8.2 Method: log

Write log message to console/file output.

#### Arguments:

- `msg`  
*/ Condition: optional / Type: str / Default: " /*  
 Message which is written to output.
- `color`  
*/ Condition: optional / Type: str / Default: None /*  
 Color style for the message.
- `indent`  
*/ Condition: optional / Type: int / Default: 0 /*  
 Offset indent.

#### Returns:

(no returns)

### 5.8.3 Method: `log_warning`

Write warning message to console/file output.

**Arguments:**

- `msg`  
*/ Condition: required / Type: str /*  
Warning message which is written to output.

**Returns:**

(no returns)

### 5.8.4 Method: `log_error`

Write error message to console/file output.

- `msg`  
*/ Condition: required / Type: str /*  
Error message which is written to output.
- `fatal_error`  
*/ Condition: optional / Type: bool / Default: False /*  
If set, tool will terminate after logging error message.

**Returns:**

(no returns)

## Chapter 6

# Appendix

About this package:

Table 6.1: Package setup

Setup parameter	Value
Name	RobotResults2RQM
Version	1.1.1
Date	01.08.2022
Description	Imports robot result(s) to IBM Rational Quality Manager (RQM)
Package URL	<a href="#">robotframework-testresult2rqmtool</a>
Author	Tran Duy Ngoan
Email	<a href="mailto:Ngoan.TranDuy@vn.bosch.com">Ngoan.TranDuy@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 7

# History

<b>0.1.0</b>	07/2022
<i>Initial version</i>	
<b>1.1.1</b>	01.08.2022
<i>Rework repository's document bases on GenPackageDoc</i>	

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**RobotResults2RQM.pdf***Created at 24.08.2022 - 10:56:57**by GenPackageDoc v. 0.27.0*

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