Data Extraction and Mapping

RTC Test Case Traceability

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# Steps:

* Get All New Story Test work item attributes from RMP project along with the associated parent work item ids in XML form. Also get the comments of each test case.

Code: TestCases.java, Output: TC.xml, Comments.xml

* Get All the change sets of Tasks, Defects, Stories from RM and RMP along with their parent work item ids.

Code: GetChangeSets.java, Output: WI.xml

* Get All the “Tested by Test Case” test case ids of all stories in RM and RMP.

Code: TestCase\_Story.java, Output: TC\_Story.xml

* Get All the Test cases along with the defects mappings from RQM UI.

<https://resrqm04.rtp.raleigh.ibm.com/jazz/web/console/DOORS/_0VvFQGq3EeW4G5eJ0vYvtw#action=com.ibm.rqm.planning.home.actionDispatcher&subAction=viewExecutedItems&updateAction=clear-filter-selection>

* Get All the Test Cases and Test Scripts Mappings from RQM UI

<https://resrqm04.rtp.raleigh.ibm.com/jazz/web/console/DOORS/_0VvFQGq3EeW4G5eJ0vYvtw#action=com.ibm.rqm.planning.home.actionDispatcher&subAction=viewExecutedItems&updateAction=clear-filter-selection>

* Get All the Test Cases from RQM. Parse the XML to get the required fields(id, test case procedure)

Python Code:

import subprocess, csv

data = open("C:/TestCase.csv", "r")

read = csv.reader(data)

for row in read:

\_\_id = row[0]

file\_name = "C:\/sravya\_testcases\_RQM\/" + \_\_id + ".xml"

cmd="\"C:\/Program Files\/Java\/jdk1.8.0\_101\/bin\/java.exe\"" \

+ " -jar C:/\Users/\IBM\_ADMIN/\Downloads/\RQM-Extras-RQMUrlUtil-6.0/\RQMUrlUtility.jar" \

+ " -command GET -user bener@ca.ibm.com -password DataSc2017 -filepath " \

+ file\_name + " -url https://resrqm04.rtp.raleigh.ibm.com/jazz/service/com.ibm.rqm.integration.service.IIntegrationService/resources/DOORS+on+Jazz/testcase/urn:com.ibm.rqm:testcase:" \

+ \_\_id

print subprocess.Popen(cmd, shell=True).communicate()

* Get All the Test Scripts from RQM. Parse the XML to get the required fields (id, test script manual steps).

Same as above but with url :- https://resrqm04.rtp.raleigh.ibm.com/jazz/service/com.ibm.rqm.integration.service.IIntegrationService/resources/DOORS+on+Jazz/testscript/urn:com.ibm.rqm:testscript:445

* Import all the XML and CSV to MySQL data.
* Test Cases(DOORS/RTC)-🡪Stories/Defects/Tasks🡪Source Code Files

Note:

**New Repo:**

https://jazz.net/qm/service/com.ibm.rqm.integration.service.IIntegrationService/resources/RDNG+FVT+%28QM%29/testcase/urn:com.ibm.rqm:testcase:7888

Missing Data:

Work Items and their Change Sets : Missing deleted change sets and work items which

do not have any changes.

Test Scripts pertaining to Command Line

Extracted :2484

Original :2658

Check Missing Data Excel sheet. Verified on May 5th.

NewStoryTest: 273 parents in WorkItems and 5 in OddWorkItems, 6 do not have parents.

RQM –Defect: 4668

RQM-Story: 5140