



datagaps

The data testing company

ETL Validator Command Line & REST Interface



Overview

Java based command line tool and REST API for

- **Checking if specific Test Plans and Test Cases are currently running**
- **Submit Test Plans and Test Cases for execution**
- **Get status of the test case and test plan execution**
- **Submitting Test Cases for execution from ALM**
- **Get or Set Parameter values**

List of available command options

```
C:\DGCL>java -jar dgcl.jar
usage: OptionsTip
-GetParamValue           Get Query parameter value
-GetTestCaseStatusById   Get Test case status by sending Test case Id
-GetTestCaseStatusByRunId Get Test case status by sending Testcase
                          RunId
-GetTestPlanStatusById   Get Test plan status by sending Test plan Id
-GetTestPlanStatusByName Get Test plan status by sending Test plan
                          Name
-GetTestPlanStatusByRunId Get Test plan status by sending Test plan
                          RunId
-IsTestCaseRunning        Get Test case Running status
-IsTestPlanRunning        Get Test plan Running status
-RunTestCaseById          Run Testcase by sending Testcase Id
-RunTestCaseByIdAlm       Run Testcase by sending Testcase Id
-RunTestCaseByName        Run Testcase by sending Testcase Name
-RunTestPlanById          Run Testplan by sending Testplan Id
-RunTestPlanByIdAlm       Run Testplan by sending Testplan Id
-RunTestPlanByName        Run Testplan by sending Testplan Name
-SetParamValue            Update Query parameter value

C:\DGCL>
```

Get Parameter Value

Sample Command Line

```
C:\DGCL>java -jar dgcl.jar -GetParamValue
usage: GetParamValue
  -id      Test Plan Identifier (if ParamType is global then set id 0)
  -n       Name of the query parameter
  -url     ETL Validator Server URL

C:\DGCL>java -jar dgcl.jar -GetParamValue -id 0 -n "Param" -url "http://localhost:8080/ETLValidatorServer/Execute?wsdl"
usage: returns
  - param

C:\DGCL>java -jar dgcl.jar -GetParamValue -id 2303 -n "Param" -url "http://localhost:8080/ETLValidatorServer/Execute?wsdl"
usage: returns
  - CHANNEL_ID=5
```

Sample Rest API Call

<http://localhost:8080/ETLValidatorServer/rest/testplan/getParamValue?paramName=Param>

Response: param (Note: To get parameter global value.)

<http://localhost:8080/ETLValidatorServer/rest/testplan/getParamValue?paramName=pName2&testplanId=2303>

Response: CHANNEL_ID=5 (Note: To get individual test plan parameter value.)

Input params: testplanId = Test plan Identifier

paramName = Name of the parameter

Set Parameter Value

Sample Command Line

```
C:\DGCL>java -jar dgcl.jar -SetParamValue
usage: SetParamValue
  -id      Test Plan Identifier (if ParamType is global then set id 0)
  -n      Name of the query parameter
  -u      Value of the query parameter
  -url     ETL Validator Server URL

C:\DGCL>java -jar dgcl.jar -SetParamValue -id 0 -n "Param" -u "CHANNEL_ID=25" -url "http://localhost:8080/ETLValidatorServer/Execute?wsdl"
usage: returns
- paramName(Param) successfully updated with the value(CHANNEL_ID=25)

C:\DGCL>java -jar dgcl.jar -SetParamValue -id 2303 -n "Param" -u "CHANNEL_ID=29" -url "http://localhost:8080/ETLValidatorServer/Execute?wsdl"
usage: returns
- paramName(Param) successfully updated with the value(CHANNEL_ID=29)
```

Sample Rest API Call

http://localhost:8080/ETLValidatorServer/rest/testplan/setParamValue?paramName=Param¶mValue=CHANNEL_ID=55

Response: paramName(Param) successfully updated with the value(CHANNEL_ID=55)

http://localhost:8080/ETLValidatorServer/rest/testplan/setParamValue?paramName=Param&testplanId=2303¶mValue=CHANNEL_ID=55

Response: paramName(Param) successfully updated with the value(CHANNEL_ID=55)

Run Test Plan using Test Plan ID

Sample Command Line

```
C:\DGCL>java -jar dgcl.jar -RunTestPlanById
usage: RunTestPlanById
  -id      Test Plan Identifier
  -p      Password of the ETL Validator User
  -u      Name of the ETL Validator User
  -url     ETL Validator Server URL

C:\DGCL>java -jar dgcl.jar -RunTestPlanById -id 2244 -u admin -p admin -url
"http://localhost:8080/ETLValidatorServer/Execute?wsdl"
TestPlan Details, you can browse http://localhost:8080/ETLValidatorService/
app/index.html#/tp/drtp/6737
[2016/11/16 13:20:13] - running....
[2016/11/16 13:20:23] - running....
[2016/11/16 13:20:38] - running....
[2016/11/16 13:20:58] - running....
Testplan Run completed successfully.
```

Sample Rest API Call

<http://localhost:8080/ETLValidatorServer/rest/testplan/runById?id=1263&userName=admin&passWord=admin>

Response: {"reportLink": "<http://localhost:8080/ETLValidatorService/app/index.html#/tp/dctp/6738>"}

Input params:

id = Test plan Identifier
userName = Name of the ETL validator user
passWord = Password of the ETL validator user

Response:

It returns test plan reporting link

Test Plan ID can be found in the test plan start step

Run Test Plan using Test Plan Name

Sample Command Line

```
C:\DGCL>java -jar dgcl.jar -RunTestPlanByName
usage: RunTestPlanByName
  -n      Test Plan Name
  -p      Password of the ETL Validator User
  -u      Name of the ETL Validator User
  -url    ETL Validator Server URL

C:\DGCL>java -jar dgcl.jar -RunTestPlanByName -n "Data Compare_sh" -u admin -p admin -url "http://localhost:8080/ETLValidatorServer/Execute?wsdl"
TestPlan Details, you can browse http://localhost:8080/ETLValidatorService/app/index.html#/tp/dctp/6739
[2016/11/16 13:51:36] - running....
[2016/11/16 13:51:46] - running....
Testplan Run completed successfully.
```

Sample Rest API Call

http://localhost:8080/ETLValidatorServer/rest/testplan/runByName?name=Foreign Key Compare_7645&userName=admin&passWord=admin

Response:{"reportLink": "<http://localhost:8080/ETLValidatorService/app/index.html#/tp/fktp/6740>"}

Input params:

name = Name of the Test plan
userName = Name of the ETL validator user
passWord = Password of the ETL validator user

Response:

It returns test plan reporting link

Run Test Plan using Test Plan Id by ALM

Sample Command Line

```
c:\DGCL>java -jar dgcl.jar --RunTestPlanByIdAlm
usage: RunTestPlanByIdAlm
  -id      Test Plan Identifier
  -p      Password of the ETL Validator User
  -u      Name of the ETL Validator User
  -url     ETL Validator Server URL

c:\DGCL>java -jar dgcl.jar -RunTestPlanByIdAlm -id 102 -p admin -u admin -url "http://localhost:8080/ETLValidatorServer/Execute?wsdl"
```

Sample Rest API Call

<http://localhost:8080/ETLValidatorServer/rest/testplan/runByIdAlm?id=101&userName=admin&passWord=admin>

Response: Testplan RunId: 141

Input params:

id = Test plan identifier
userName = Name of the ETL validator user
passWord = Password of the ETL validator user

Response:

It returns test plan run id

Get Test Plan Run Status by Test Plan Id

Sample Command Line

```
c:\DGCL>java -jar dgcl.jar -GetTestPlanStatusById
usage: GetTestPlanStatusById
  -id      Test Plan Identifier
  -url     ETL Validator Server URL

c:\DGCL>java -jar dgcl.jar -GetTestPlanStatusById -id 101 -url "http://localhost:8080/ETLValidatorServer/Execute?wsdl"
usage: returns
  -TestPlanStatus  FAILURE
```

Sample Rest API Call

<http://localhost:8080/ETLValidatorServer/rest/testplan/getStatusById?id=2303>

Response: {"status": "SUCCESS"}

Input params: id = Test plan Identifier

Response: Failure/Success/Running/Queued/Initialize

Get Test Plan Run Status by Test Plan Name

Sample Command Line

```
c:\DGCL>java -jar dgcl.jar -GetTestPlanStatusByName
usage: GetTestPlanStatusByName
  -n      Test Plan Name
  -url    ETL Validator Server URL

c:\DGCL>java -jar dgcl.jar -GetTestPlanStatusByName -n "Data Rules_1661" -url "http://localhost:8080/ETLValidatorServer/Execute?wsdl"
usage: returns
  -TestPlanStatus  FAILURE
```

Sample Rest API Call

http://localhost:8080/ETLValidatorServer/rest/testplan/getStatusByName?name=Data Rules_1661

Response: {"status": "FAILURE"}

Input params: name = Name of the Test plan

Returns: Failure/Success/Running/Queued/Initialize

Get Test Plan Run Status by Test Plan Run ID

Sample Command Line

```
c:\DGCL>java -jar dgcl.jar -GetTestPlanStatusByRunId
usage: GetTestPlanStatusByRunId
  -runid    Test Plan RunID
  -url      ETL Validator Server URL

c:\DGCL>java -jar dgcl.jar -GetTestPlanStatusByRunId -runid 106 -url "
http://localhost:8080/ETLValidatorServer/Execute?wsdl"
usage: returns
  -TestPlanStatus  SUCCESS
```

Sample Rest API Call

<http://localhost:8080/ETLValidatorServer/rest/testplan/getStatusByRunId?runId=129>

Response: {"status": "SUCCESS"}

Input params: runId= Test plan Run Id

Returns: Failure/Success/Running/Queued/Initialize

Is Test Plan running?

Sample Command Line

```
c:\DGCL>java -jar dgcl.jar -IsTestPlanRunning
usage: IsTestPlanRunning
  -id      Test Plan Identifier
  -url     ETL Validator Server URL

c:\DGCL>java -jar dgcl.jar -IsTestPlanRunning -id 102 -url "http://localhost:8080/ETLValidatorServer/Execute?wsdl"
usage: returns
  -TestPlanRunningStatus  Yes
```

Sample Rest API Call

<http://localhost:8080/ETLValidatorServer/rest/testplan/isRunning?id=2303>

Response: {"isRunning": "No"}

Input params: id = Test plan Identifier

Response: Yes (if currently Running)

No (if runs complete)

Run Test Case using Test Case ID

Sample Command Line

```
C:\DGCL>java -jar dgcl.jar -RunTestCaseById
usage: RunTestCaseById
  -id      Test case Identifier
  -p      Password of the ETL Validator User
  -u      Name of the ETL Validator User
  -url     ETL Validator Server URL

C:\DGCL>java -jar dgcl.jar -RunTestCaseById -id 40545 -u admin -p admin -url "http://localhost:8080/ETLValidatorServer/Execute?wsdl"
TestCase Details, you can browse http://localhost:8080/ETLValidatorService/app/index.html#/tc/ctc/62485
TestCase Run completed successfully.
```

Sample Rest API Call

<http://localhost:8080/ETLValidatorServer/rest/testcase/runById?id=40545&userName=admin&passWord=admin>

Response : {"reportLink": "<http://localhost:8080/ETLValidatorService/app/index.html#/tc/ctc/62486>"}

Input params:

id = Test case Identifier

userName = Name of the ETL validator user

passWord = Password of the ETL validator user

Response:

It returns test case reporting link

Run Test Case using Test Case Name

Sample Command Line

```
C:\DGCL>java -jar dgcl.jar -RunTestCaseByName
usage: RunTestCaseByName
  -n      Test case Name
  -p      Password of the ETL Validator User
  -u      Name of the ETL Validator User
  -url    ETL Validator Server URL

C:\DGCL>java -jar dgcl.jar -RunTestCaseByName -n "Query Compare TC_7682" -p
admin -u admin -url "http://localhost:8080/ETLValidatorServer/Execute?wsdl"
"
TestCase Details, you can browse http://localhost:8080/ETLValidatorService/
app/index.html#/tc/qctc/62487
TestCase Run completed successfully.
```

Sample Rest API Call

http://localhost:8080/ETLValidatorServer/rest/testcase/runByName?name=Data Profile TC_2570&userName=admin&passWord=admin

Response : {"reportLink": "<http://localhost:8080/ETLValidatorService/app/index.html#/tc/dptc/62488>"}

Input params:

name = Name of the test case
userName = Name of the ETL validator user
passWord = Password of the ETL validator user

Response:

It returns test case reporting link

Run Test Case using Test Case Id by ALM

Sample Command Line

```
c:\DGCL>java -jar dgcl.jar -RunTestCaseByIdAlm
usage: RunTestCaseByIdAlm
  -id      Test case Identifier
  -p      Password of the ETL Validator User
  -u      Name of the ETL Validator User
  -url     ETL Validator Server URL

c:\DGCL>java -jar dgcl.jar -RunTestCaseByIdAlm -id 27 -p admin -u admin -url "http://localhost:8080/ETLValidatorServer/Execute?wsdl"
Passed
```

Sample Rest API Call

<http://localhost:8080/ETLValidatorServer/rest/testcase/runByIdAlm?id=27&userName=admin&passWord=admin>

Response : Passed

Input params:

id = Test case Identifier

userName = Name of the ETL validator user

passWord = Password of the ETL validator user

Response:

It returns Passed/Failed

Get Test Case Run Status by Test Case ID

Sample Command Line

```
c:\DGCL>java -jar dgcl.jar -GetTestCaseStatusById
usage: GetTestCaseStatusById
  -id      Test Case Identifier
  -url     ETL Validator Server URL

c:\DGCL>java -jar dgcl.jar -GetTestCaseStatusById -id 26 -url "http
://localhost:8080/ETLValidatorServer/Execute?wsdl"
usage: returns
  -TestCaseStatus  SUCCESS
```

Sample Rest API Call

<http://localhost:8080/ETLValidatorServer/rest/testcase/getStatusById?id=40545>

Response: {"status": "FAILURE"}

Input params: id = Test case Identifier

Response: Failure/Success/Running/Queued/Initialize

Get Test Case Run Status by Test Case Run ID

Sample Command Line

```
c:\DGCL>java -jar dgcl.jar -GetTestCaseStatusByRunId
usage: GetTestCaseStatusByRunId
  -runid    Test Case RunID
  -url      ETL Validator Server URL

c:\DGCL>java -jar dgcl.jar -GetTestCaseStatusByRunId -runid 266 -url
"http://localhost:8080/ETLValidatorServer/Execute?wsdl"
usage: returns
  -TestCaseStatus    FAILURE
```

Sample Rest API Call

<http://localhost:8080/ETLValidatorServer/rest/testcase/getStatusByRunId?runId=427>

Response: {"status": "FAILURE"}

Input params: runid = Test case Run Id

Response: Failure/Success/Running/Queued/Initialize

Is Test Case running?

Sample Command Line

```
c:\DGCL>java -jar dgcl.jar -IsTestCaseRunning
usage: IsTestCaseRunning
  -id      Test Case Identifier
  -url     ETL Validator Server URL

c:\DGCL>java -jar dgcl.jar -IsTestCaseRunning -id 27 -url "http://localhost:8080/ETLValidatorServer/Execute?wsdl"
usage: returns
  -TestCaseRunningStatus  No
```

Sample Rest API Call

<http://localhost:8080/ETLValidatorServer/rest/testcase/isRunning?id=40604>

Response: {"isRunning": "No"}

Input params: id = Test case Identifier

Response: Yes (if currently Running)

No (if runs complete)

Get Data Compare Test Plan Run Details

Sample Rest API Call to get Test plan details

<http://localhost:8080/ETLValidatorServer/rest/testplan/getDCRunDetails?runId=141>

Response:

```
{
  runResult : [{
    endDate: "2016-07-20 18:26:41.156",
    message: "Completed but one or more Test cases failed",
    runBy: "admin",
    runDate: "2016-07-20 18:26:33.758",
    status: "FAILURE",
    testcaceRunId: 450,
    testcaseld: 23,
    testCaseName: "BCW20160604165121_COUNTRIES",
    testFolder: "TestFolder_Default",
    testSuite: "TestSuite_Default"
  }],
  statusCode : 200,
  statusText : "Success"
}
```

<http://localhost:8080/ETLValidatorServer/rest/testplan/getDCRunDetails?runId=156>

Response:

```
{
  runResult: null,
  statusCode: 201,
  statusText: "No results found"
}
```

Rest API Over view

Is Running:

<http://localhost:8080/ETLValidatorServer/rest/testplan/isRunning?id=102>

Get Status By Id:

<http://localhost:8080/ETLValidatorServer/rest/testplan/getStatusById?id=101>

Get Status By Run Id:

<http://localhost:8080/ETLValidatorServer/rest/testplan/getStatusByRunId?runId=129>

Get Status By Name: (not available for test case)

http://localhost:8080/ETLValidatorServer/rest/testplan/getStatusByName?name=Data%20Rules_1661

Run By Name:

http://localhost:8080/ETLValidatorServer/rest/testplan/runByName?name=Data%20Compare_7043&userName=admin&passWord=admin

Run By Id:

<http://localhost:8080/ETLValidatorServer/rest/testplan/runById?id=102&userName=admin&passWord=admin>

Run By Id ALM:

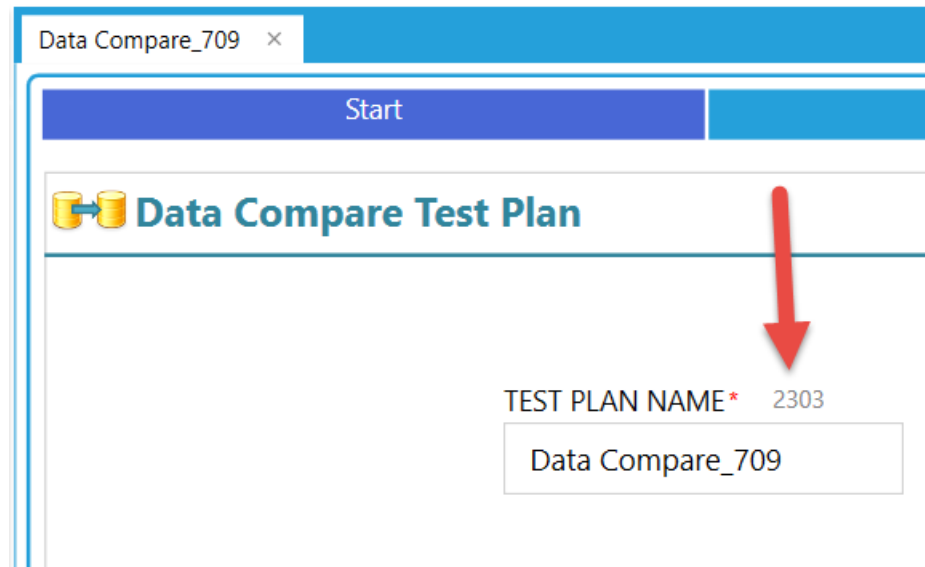
<http://localhost:8080/ETLValidatorServer/rest/testplan/runByIdAlm?id=101&userName=admin&passWord=admin>

Get data Compare test plan details:

<http://localhost:8080/ETLValidatorServer/rest/testplan/getDCRunDetails?runId=129>

Note: Just Replace “testplan” with “testcase” to get test case details.

How to locate Test Plan ID?



How to locate Test Case ID?

Data Compare_709 × Query Compare TC_4099 ×

Start

 **Query Compare Test Case**

Test Case Details

TEST CASE NAME* 40626

Query Compare TC_4099

TEST SUITE*

Test Suite_2

 [Click to add label..](#)

