

## QMetry QF-Test Plug-in (Version 3.1)

**Download:** <http://downloads.qmetry.com/QMetryLaunchers31/QMetryLaunchers.zip>

This zip contains following files:

- **QMetry Launcher library: QMetryLaunchers.jar**

This library is responsible for fetching Test Case information from QMetry Test Automation Agent and launch QF-Test Test Scripts. Once Test Script execution is complete, this library will upload the Test Results to QMetry.

- **Configuration File: QMetryConfig.properties**

This file contains configuration related to QMetry instance. These configuration settings will be used for communicating with QMetry Server for updating the Test Results.

- **QMetry Agent Configuration Template: QMetryAgent.properties-QF-Test-addons**

This file contains 2 additional configuration parameters for QMetry Test Automation Agent and QF-Test integration

### System Requirements:

- Operating System: Windows XP, Windows Vista, Windows 2003 Server, Windows 7, \*Unix
- Java Runtime: Java version 1.6
- Root/administrator privilege to install QMetry Test Automation Agent as Windows Service/Unix daemon
- QF-Test must be installed on the same machine

### How to integrate QMetry Agent with QF-Test?

1. Login to QMetry Web Application
2. In **Test Case Management**, go to **Admin->Agent** tab
3. Create an Agent by clicking the **Add Agent** button
4. Download QMetry Agent (*QMetryAgent.zip*) as instructed
5. Download QMetry Agent Configuration file (*QMetryAgent.properties*) as instructed
6. Extract QMetryAgent.zip file on your test machine. We assume that you will extract it on C:\
7. Copy *QMetryAgent.properties* (downloaded in Step #5) to C:\QMetryAgent\bin directory
8. Download [QMetry Launcher](#)
9. Extract *QMetry QMetry Launcher* zip file on your test machine, where QMetry Agent is running. We assume that you will extract it on C:\

10. Open *QMetryAgent.properties* from *C:\QMetryAgent\bin* directory and add two lines from *QMetryAgent.properties-QF-Test-addons* file
11. *QMetryAgent.properties-QF-Test-addons* file contains paths assuming that *QMetryLaunchers.zip* and *QMetryAgent.zip* are extracted on *C:\*. If you have extracted the files at some different location, then please update these paths accordingly.
12. If your QF-Test Framework has dependencies on other JAR files, then please add them under TESTSCRIPTWRAPPER property
13. Open *C:\QMetryLaunchers\QMetryConfig.properties* and update all parameters. In particular:
  - a. QMetryURL should be set to the url of your QMetry instance
  - b. Values should be set for QMetryUsername & QMetryPassword
  - c. Update needed settings under the 'QF-Test Specific configuration parameters' heading
  - d. If your automation instance is behind a proxy/firewall then the parameters ProxyHost, ProxyPort, ProxyUser, ProxyPassword will have to be set accordingly and the value of setProxy changed to true
14. Install QMetry agent by running the *InstallQMetryAgent.bat* file from *C:\QMetryAgent\bin*

**Note:** You must have administrative privileges to run this file. If you do not have administrative privileges, then run *StartQMetryAgent.bat* from *C:\QMetryAgent\bin*

If you are configuring QMetry Agent on \*unix platform, then you need to run *QmetryAgent.sh* to configure the agent as Unix Daemon. You must have root privileges to start QMetry Agent as Unix Daemon.

15. If QMetry Agent is successfully configured and started, then you will see its status as "Active" under **Admin->Agent** tab in Test Case Management in QMetry application

The steps mentioned above are for one time configuration.

## How to execute QF-Test Test Cases from QMetry Application?

1. Login to QMetry application
2. In **Test Case Management**, go to **TestCases** module
3. Create a Test Case and specify your QF-Test Test Script under the **Test Script Name** field (for example "C:\Program Files\qfs\QF-Test\QF-Test-3.4.10\demo\carconfig\carconfig\_en.qft" – without quotes)
4. In **Test Case Management**, go to **TestSuites** module
5. Create a Test Suite and link the Test Case created above with this Test Suite
6. In **Test Case Management**, go to the **Test Suites** module and select the **Execute TestSuite** tab
7. Select a **Platform** and link it with the Test Suite
8. Click on **Assign Agent** icon under **Automation** column
9. Select an Agent on which you want to execute your QF-Test Test Case
10. Click the Run Now button to run the QF-Test Test Case immediately, or else, select the Date and Time to schedule the execution on future date

## Different ways of Integrating with QF-Test

- I. You can invoke the whole QF-Test Suite by specifying its full path in the 'Test Script Name' of the QMetry Testcase. All the Test Sets and Test Cases under QF-Test Suite will be executed and overall result of this test run will be considered as the status of the single QMetry Test Case.
- II. If you want multiple Test Cases covered under one QF-Test Script, then you can integrate it with QMetry in the following way:
  1. In QMetry Admin, create a User Defined Field with name "QF-Test Suite". To do this go to the 'Admin' panel and under 'Field and Layout Management' select 'Test Suite' -> 'User Defined Fields'. Click on the 'Add Field' button and in the form that opens, enter the following: \*Field Label: QF-Test Suite, \*Field Type: String, \*Field Length: 100  
Click on save.
  2. Create a QMetry Testsuite - in the details page you will see the 'QF-Test Suite' field that was created in step 1. In this field enter the path to the QF-Test suite (e.g. C:\Program Files\qfs\QF-Test\QF-Test-3.4.10\demo\carconfig\carconfig\_en.qft)
  3. Create QMetry Test Cases and associate them with the corresponding test cases in QF-Test Suite by setting the "Test Script Name" field to the id of the test case/test set in QF-Test. Link all the Test Cases to the QMetry Test Suite created in step2.

With this setup when the QMetry Testsuite is executed via QF-Test automation, then the QF-Test test cases/test sets will get executed in the same sequence as the associated QMetry Test cases under the "Linked Test Cases" tab of the Testsuite.

- III. If you want to work with an individual mapping of QMetry's test-cases with QF-Test testcases, you can also proceed like that:
  1. Set the path to QF-Test's Suite file in 'Test Script Name' of the Test-Case details.
  2. Use the same name of the test-case in the 'id' attribute of the QF-Test test-case.
  3. In the QMetryConfig.properties file, add the following command line switch in the QF-Test.additional.arguments configuration :

QF-Test.additional.arguments= -test \${QMTestCaseName}

## Using QF-Test.additional.arguments

The **QF-Test.additional.arguments** configuration is present in the QMetryConfig.properties file. This configuration allows to pass additional command line argument to the QF-Test execution call. To use QMetry variables in this configuration use the format as below:

QF-Test.additional.arguments= -variable name=\${QMPlatform}

### Below are list of variables which can be used

{QMProject}  
{QMRelease}  
{QMBuild}  
{QMTestSuiteId}  
{QMTestSuiteName}  
{QMTestSuiteFolder}  
{QMPlatform}  
{QMPlatformId}  
{QMTestCaseId}  
{QMTestCaseName}  
{QMTestCaseFolder}