

QMetry Plug-in for Selenium Automation Framework (Version 3.1)

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

This zip contains following files:

- **QMetry Selenium Plug-in library: QMetryLaunchers.jar**

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

- **Sample Selenium Test Case: BrowseQMetryWebsite[TestNG/JUnit]**

This is a simple selenium Test Case, which browses different pages of the QMetry website.

- **Configuration File: QMetryConfig.properties**

This file contains configurations 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.addons**

This file contains 2 additional configuration parameters for QMetry Test Automation Agent and Selenium Framework integration

System Requirements:

- Operating System: Windows XP, Windows Vista, Windows 2003 Server, Windows 7, *Unix
- Java Runtime: Java version 1.6 or later
- Root/administrator privilege to install QMetry Test Automation Agent as Windows Service/Unix daemon

How to integrate QMetry Agent with Selenium Framework?

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 the two lines from the *QMetryAgent.properties-selenium-addons* file
 - a. *QMetryAgent.properties-selenium-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.
 - b. In the *TESTSCRIPTWRAPPER* property, add the path to your selenium server JAR file. If your Selenium Test Framework has dependencies on other JAR files, then please add those too in this property
11. Open *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. 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
12. 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.
13. 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 Selenium 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 Selenium Test Class under the **Test Script Name** field (for example *BrowseQMetryWebsiteTestNG* if you are using TestNG)
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 Selenium Test Case
10. Click the **Run Now** button to run the Selenium Test Case immediately, or else, select the Date and Time to schedule the execution on future date

Notes: QMetry Selenium Launcher will try to launch Selenium Server on its default port (4444) to launch selenium scripts. Sometime, Selenium Server does not get display and Selenium Test Scripts fails to launch. In this case, please run the Selenium Server manually before launching the Selenium Script via QMetry Selenium Launcher