

What is this?

JMeter for Appian is a tool for Performance testing Appian using JMeter.

Overview

Using this plugin JMeter provides an "easy" way record and replay Appian processes.

Usage and Contributions

To use JMeter on your project, please follow the steps identified below for setting up the testing framework and creating/executing test cases.

We ask that whenever possible, you contribute back to the repository and the Appian PS community by:

- adding any missing parameterization that's necessary
- fixing issues and defects
- implementing enhancements

As we work and contribute to make this tool better, we will take the greatest care to ensure that the next versions are backwards compatible.

We can help only if we know where the problems are!

Installation

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1. Download the newest version of [JMeter 4.0](#).
2. Unzip the release package and put the contents into JMeter_HOME which contains the following:
 - i. ApacheJMeter_http.jar — this replaces the OOTB version with a few changes
 - ii. jmeter-for-appian-X.X.jar — this contains Appian specific functionality

- iii. `jmeter.properties` – this turns on cookie settings
- 3. Download the example template file `template.jmx` from the release.

Recording Your First JMeter Test

1. Start JMeter if it isn't already running:
 - i. In a command prompt navigate to `JMETER_HOME\bin`.
 - ii. Run `jmeter.bat`.
2. Open the `template.jmx` file included in the release.
3. Update the following in JMeter:
 - i. User Defined Variables (Test Plan and WorkBench) - Change **BASE_URL** value to the correct site URL.
 - ii. HTTP Request Defaults (Test Plan and WorkBench) - Change **Server Name or IP** to the correct site URL.
 - iii. HTTP(S) Test Script Recorder - Change **URL Patterns to Include** to correct site URL. All periods in the middle of the URL must be escaped with a backslash `\`. Leave the `.*` at the beginning and end of URL.
4. Start recording - click **Start** on HTTP(S) Test Script Recorder.
5. Install the JMeter certificate:
 - i. Right click `JMETER_HOME\bin\ApacheJMeterTemporaryRootCA.crt` and click Install Certificate.
 - ii. Follow Next > Place all certificates in the following store > **Trusted Root Certification Authorities** > Next > Finish > Yes > OK
 - iii. Configure browser to run through a proxy - Settings > Advanced > Change proxy settings > LAN settings > Use a proxy server for your LAN
Address: localhost
Port: 8090
 - iv. At this point samples should be recorded if you navigate to the site URL.
6. Take the following actions:
 - i. Navigate to the login page.
 - ii. Login.
7. Move all of the created samples in the **Recording Controller** into the **Login (Test Fragment)**.
8. Take the following actions:

- i. Navigate to the Actions tab.
 - ii. Click on an action.
 - iii. Complete the action.
9. Stop Recording - click **Stop** on HTTP(S) Test Script Recorder.
10. Move all of the created samples in the **Recording Controller** into the **Action (Test Fragment)**.
11. You can now run the performance test again by clicking the green run arrow.
12. View the results by clicking on **Graph Results**, **Summary Report**, or **View Results Tree**.