Test Script Recording

Test Script Recording

There are different ways to record a script:

- JMeter Test Script Recorder (Record and playback)
- Using Chrome dev tools and converting HTTP Archive (.har) files to JMeter Test Plans (.jmx).
- Chrome browser BlazeMeter extension

  https://guide.blazemeter.com/hc/en-us/articles/206732579-The-BlazeMeter-Chrome-Extension-Record-JMeter-Selenium-or-Synchronized-JMeter-and-Selenium

Record and Playback

- JMeter records a test script based on user actions.
- Recorded test script can be used as a starting point to develop test script.
- Recorded test script can be edited to create the final test script.
- In order to record a test script:
    - Add HTTPS Test Script Recorder element to the Test Plan
    - Set the port number in recorder or keep the default (Port: 8888)
    - Configure the browser proxy with the same port number
    - Import the JMeter certificate to the browser

Configuring System for JMeter Proxy

For Mac OS:

1. Go to System Preferences.
2. Click **Advanced**.
3. Select **Proxies**.
4. Select **Web Proxy (HTTP)**
5. Enter Web Proxy Server: localhost and Port number: 8888 (default)

Configuring System for JMeter Proxy

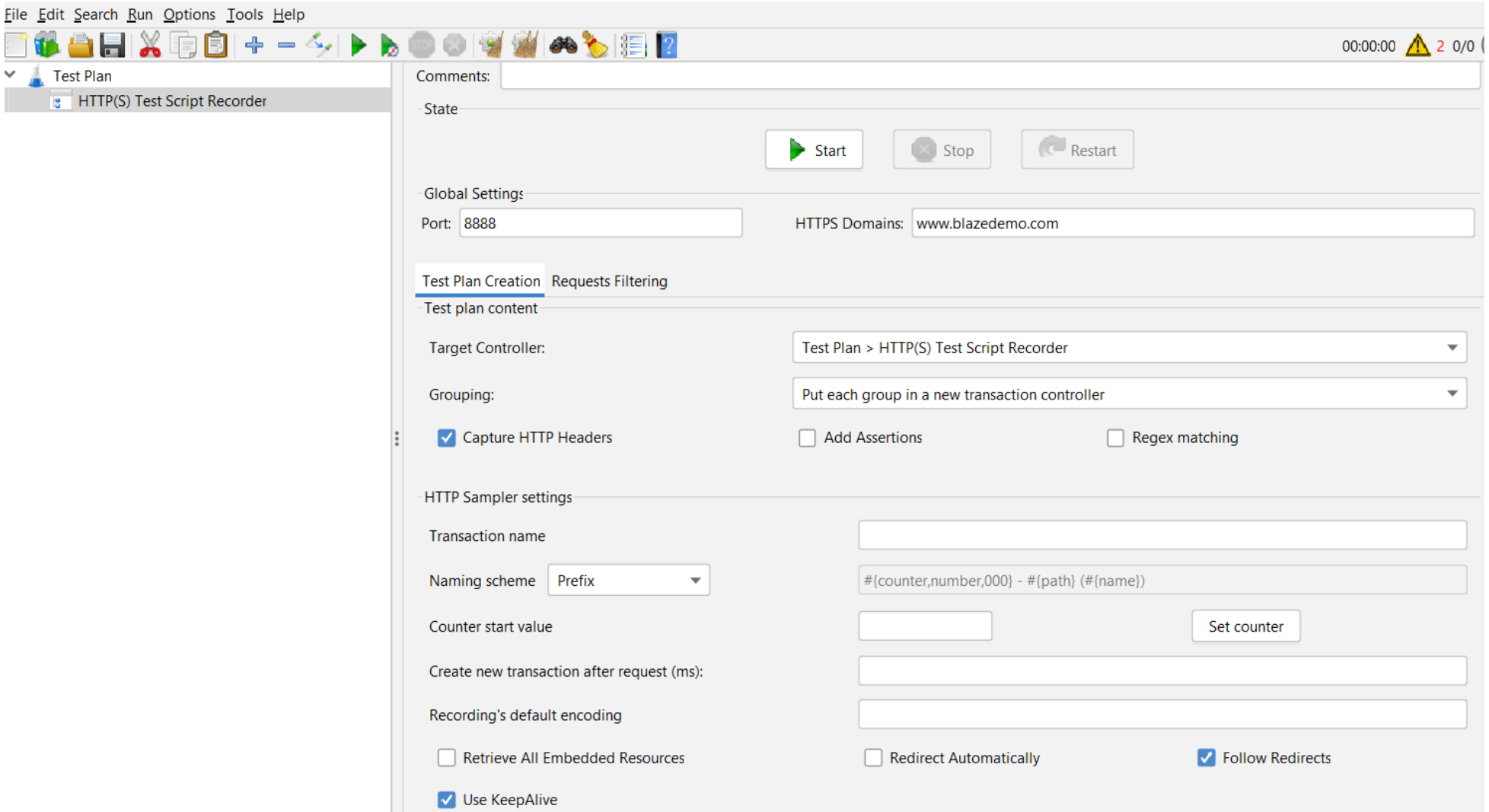
For Windows OS:

1. Go to System Settings.
2. Select Network and Internet.
3. Search for “proxy”.
4. Scroll down to **Manual Proxy Set up**.
5. Change the use a proxy server to “**On**”
6. Enter Address: localhost and Port: 8888 (default

Importing JMeter Certificate for Proxy

- For Mac, to create the certificate you have to start the Jmeter, add a HTTPs Test Script Recorder and run the recorder. This would automatically create **ApacheJMeterTemporaryRootCA.crt** file under the JMeter/bin folder.
- In order to import the certificate, follow following steps:
  - Start the browser that you want to use for testing.
  - From the toolbar, click Settings from the options menu
  - Search for “certificate”
  - Select “Security”, scroll down to “Manage certificates” and click.
  - Click import.
  - Import the certificate under JMeter/bin folder to the browser.

HTTP(S) Test Script Recorder

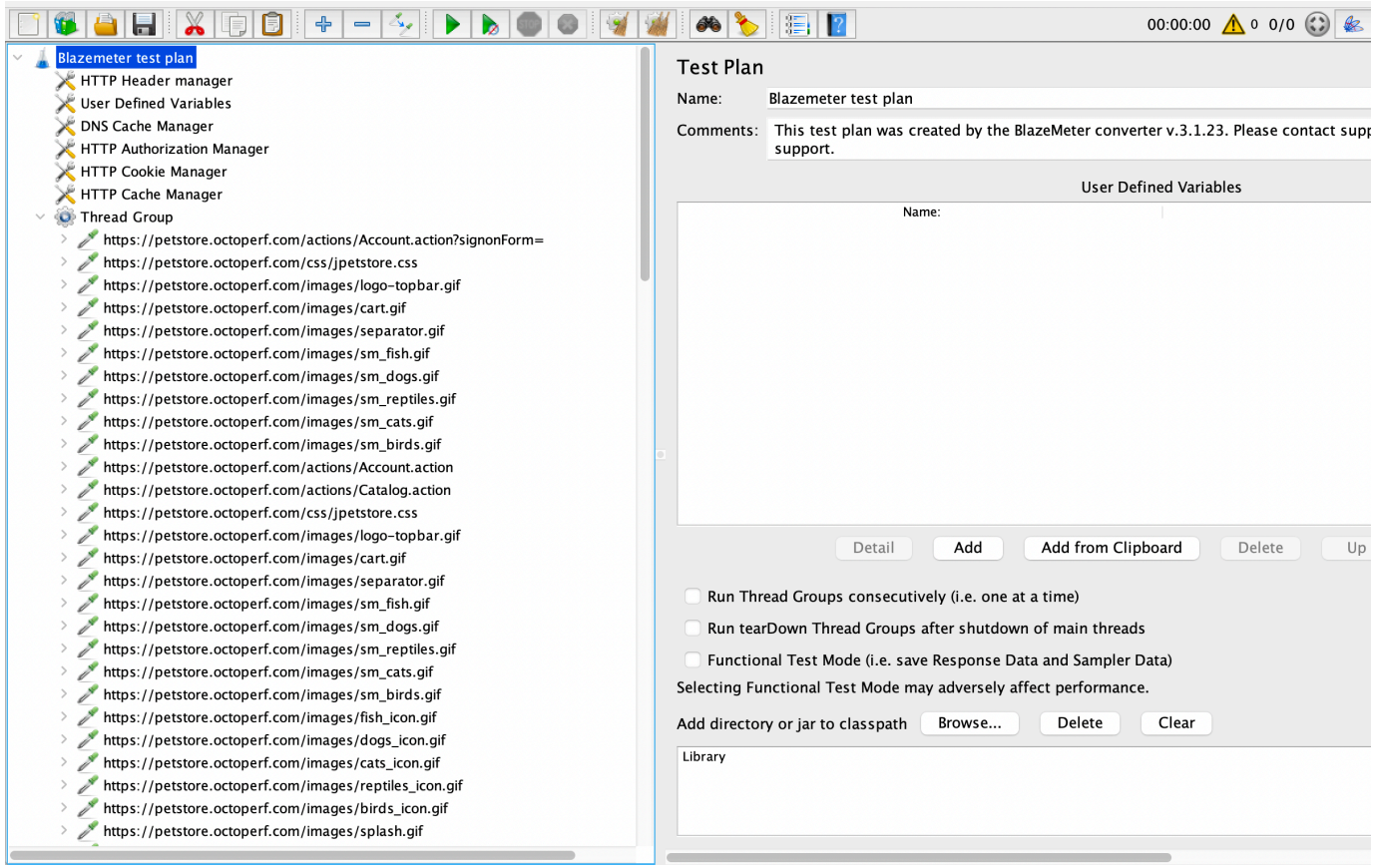


Test Script Recording using Chrome Dev Tools

1. Launch a Chrome browser and development tools on that browser.
2. Click the Network tab.
3. Perform the user actions on the browser and observe that the actions on the Network pane.
4. Right click and select **Save as .har file** and download the file.
5. Convert the .har file to .jmx file (https://converter.blazemeter.com)
6. Drag and drop the .jmx file to the Jmeter. Jmeter will open the test script.

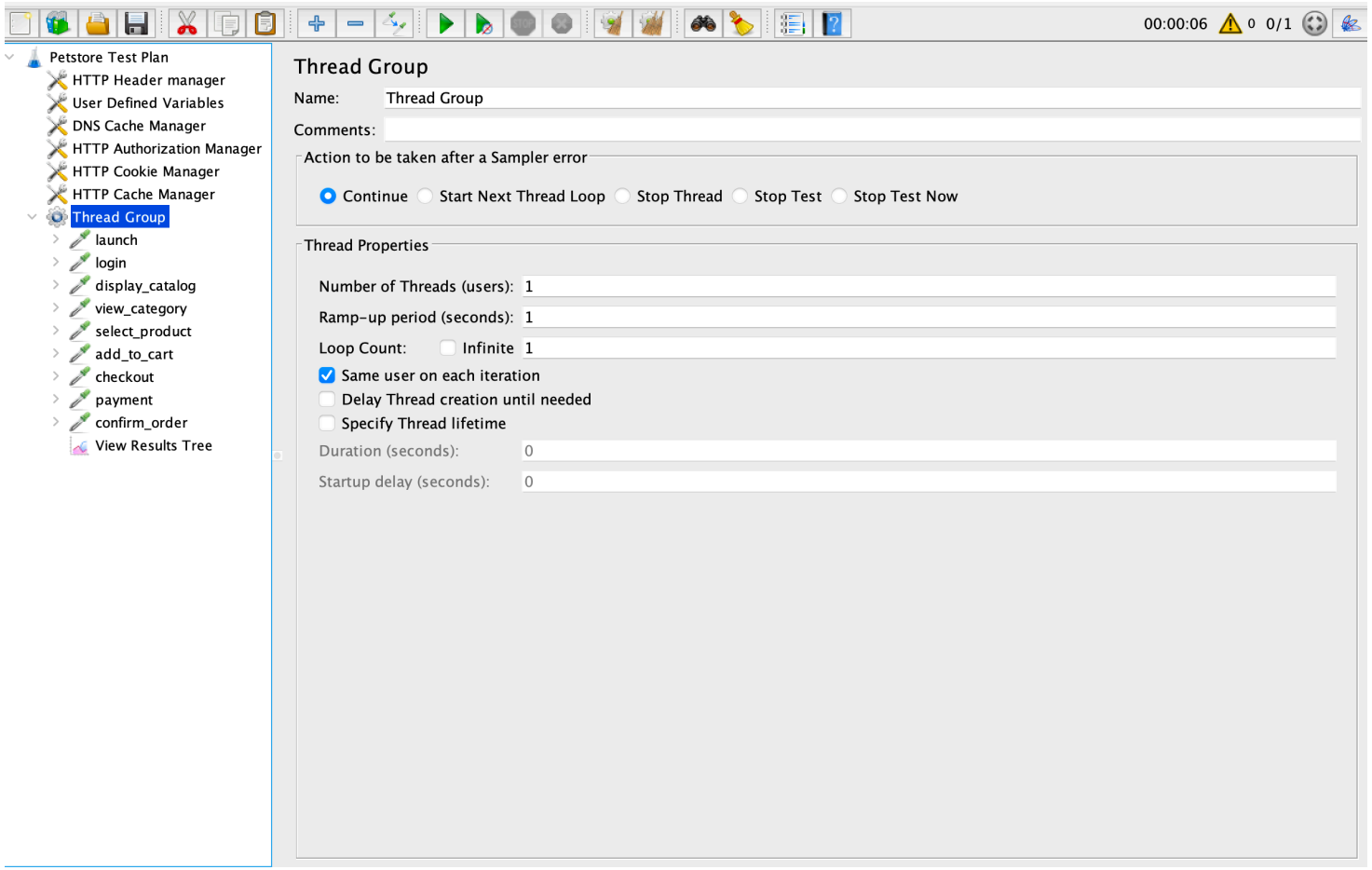
Sample Scenario: Pet Store Application

Record a Test Script **using Chrome Dev Tools** for the following page:
https://petstore.octoperf.com/actions/Account.action?signonForm=



Sample Scenario: Pet Store Application (Cont.)

1. Open the .jmx file.
2. Keep only HTTP requests and remove the rest under Thread Group.
3. Add a View Results Tree listener.
4. Run the tests.



HTTP Managers

HTTP Cache Manager

- Manipulates the cache sent with the requests.
- Preserves or deletes a cache during test.

HTTP Cookie Manager

- Manages cookies used within the HTTP request.
- Helps with authentication.

HTTP Header Manager

- Manages headers of the HTTP request.
- Can store them for later use.