Jmeter Configuration

<u>Pre-conditions:</u>

1.Jmeter should be installed

To install Jmeter follow these steps:

1. Open Command Terminal - **java -version** Check for the java version installed if not

sudo apt install default-jdk Run this command.

2. Download Apache JMeter by clicking on the provided link.

3.After downloading JMeter, go to the *bin* directory and launch Jmeter through terminal

(**./ jmeter.sh**).

2. Add Blazemeter extension in google chrome

https://chrome.google.com/webstore/detail/blazemeter-the-continuous/mbopgmdnpcboh
hpnfglgohlbhfongabi?hl=en-GB

3. Get the Endpoints for your task.

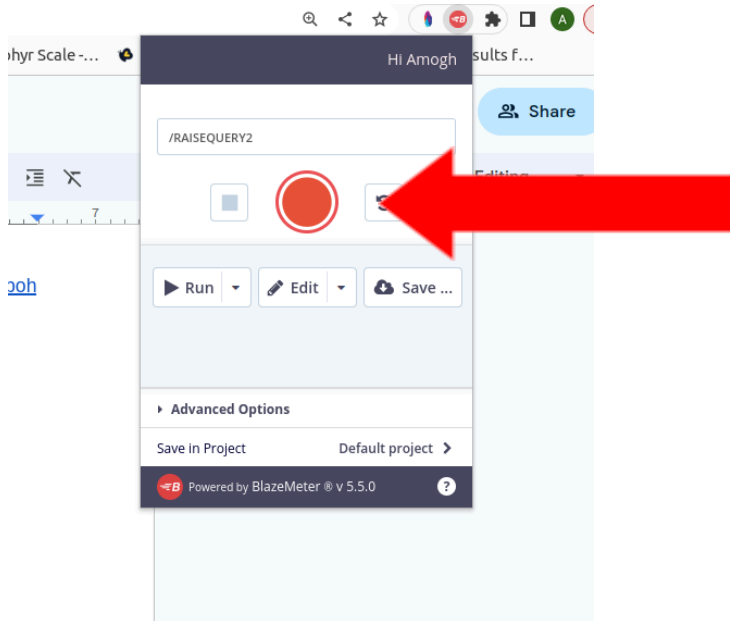4. PostMan should be installed.

To install PostMan Follow these steps:

1.Open Command Terminal
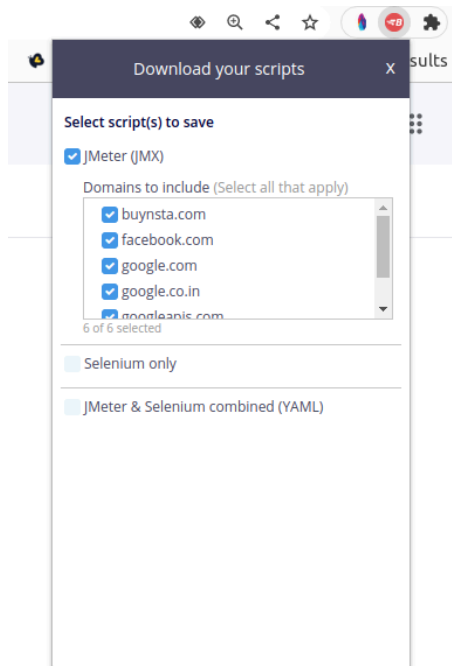
2. **sudo snap install postman** Run this command.
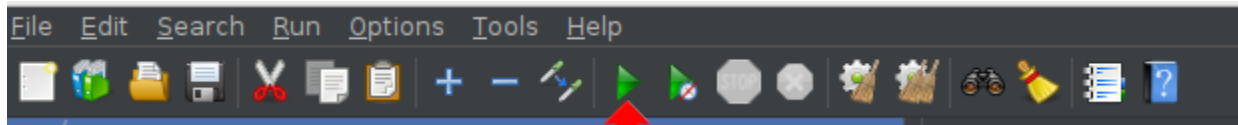
Method - 1

Through Blazemeter:

1. Open UAT Web url on chrome with provided endpoints.

       (Eg:https://uat112mix-pwa-web.buynsta.com)

2.Launch Blazemeter extension click on record events.

3. After clicking on Record, Reload the API in chrome browser

4. After getting success response, go to Blazemeter and Click on "Stop"

5.Captured events should be Saved to files in **.jmx** format.

6.Launch Jmeter through terminal.

7.Import **jmx** file to jmeter.

8.Add listeners in particular thread groups.

    1.View Results Tree.

    2.Summary Report.

9.Now click on the Thread group and Change the Number of threads column (Eg:50,100).
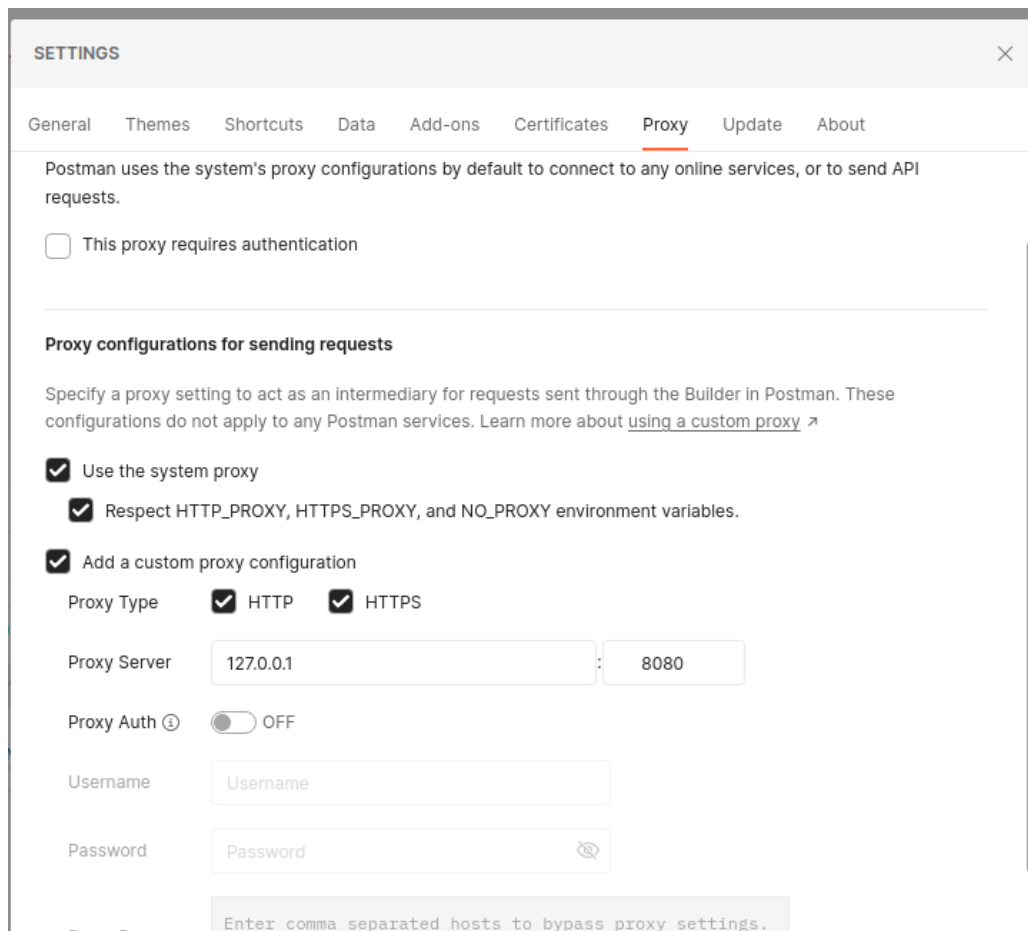
10.Click on the start CTA button.

11.View and validate the results which will   be stored in the View results tree.
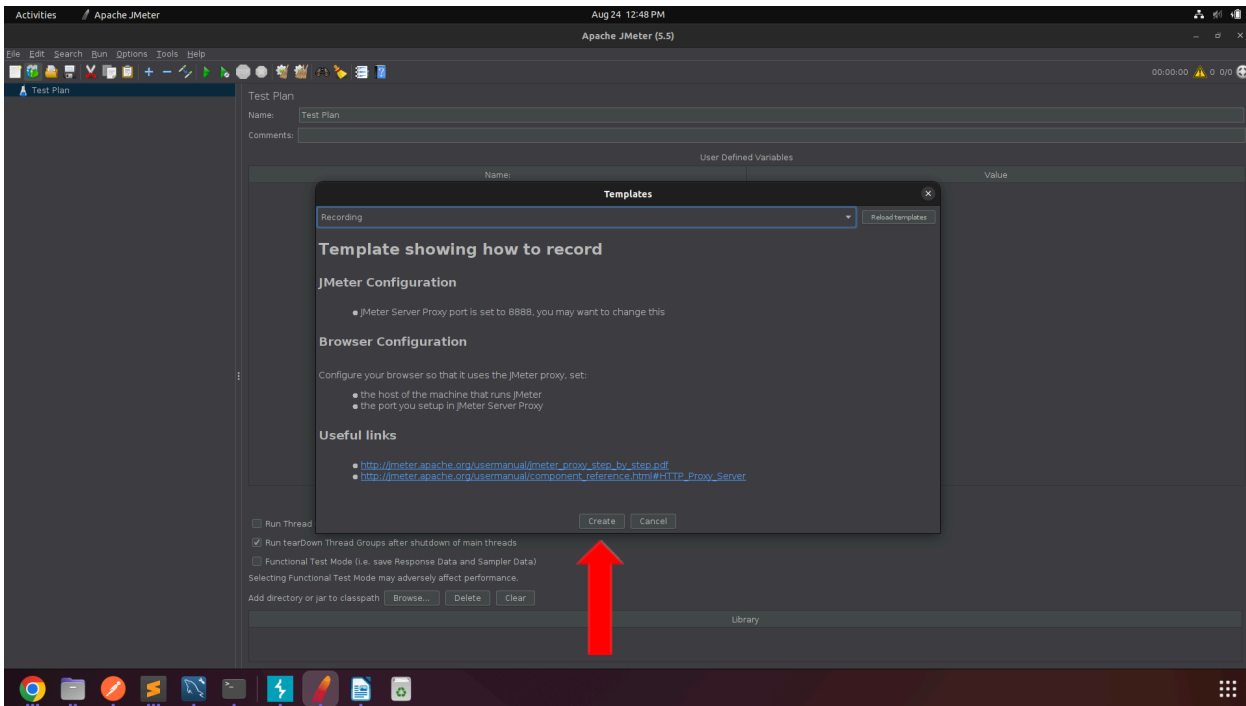
Method - 2

Integrating Jmeter and Postman:

1. Open a particular endpoint of the task in a web application.

2.Enable Inspect mode and select network grid.

3.Take the CURL from the particular endpoint triggered in networks.

4.Import the copied CURL to Postman.

5.In Postman, click on settings.

6.Select proxy and click on Add a custom proxy configuration,

   Proxy Server: **127.0.0.1**, Port : **8080.**

SETTINGS   ×

General   Themes   Shortcuts   Data   Add-ons   Certificates   **Proxy**   Update   About

Postman uses the system's proxy configurations by default to connect to any online services, or to send API requests.

☐ This proxy requires authentication

Proxy configurations for sending requests

Specify a proxy setting to act as an intermediary for requests sent through the Builder in Postman. These configurations do not apply to any Postman services. Learn more about using a custom proxy ↗

☑ Use the system proxy

☑ Respect HTTP_PROXY, HTTPS_PROXY, and NO_PROXY environment variables.

☑ Add a custom proxy configuration

Proxy Type   ☑ HTTP   ☑ HTTPS

Proxy Server   127.0.0.1   :   8080

Proxy Auth ⓘ   ◯ OFF

Username   Username

Password   Password   👁

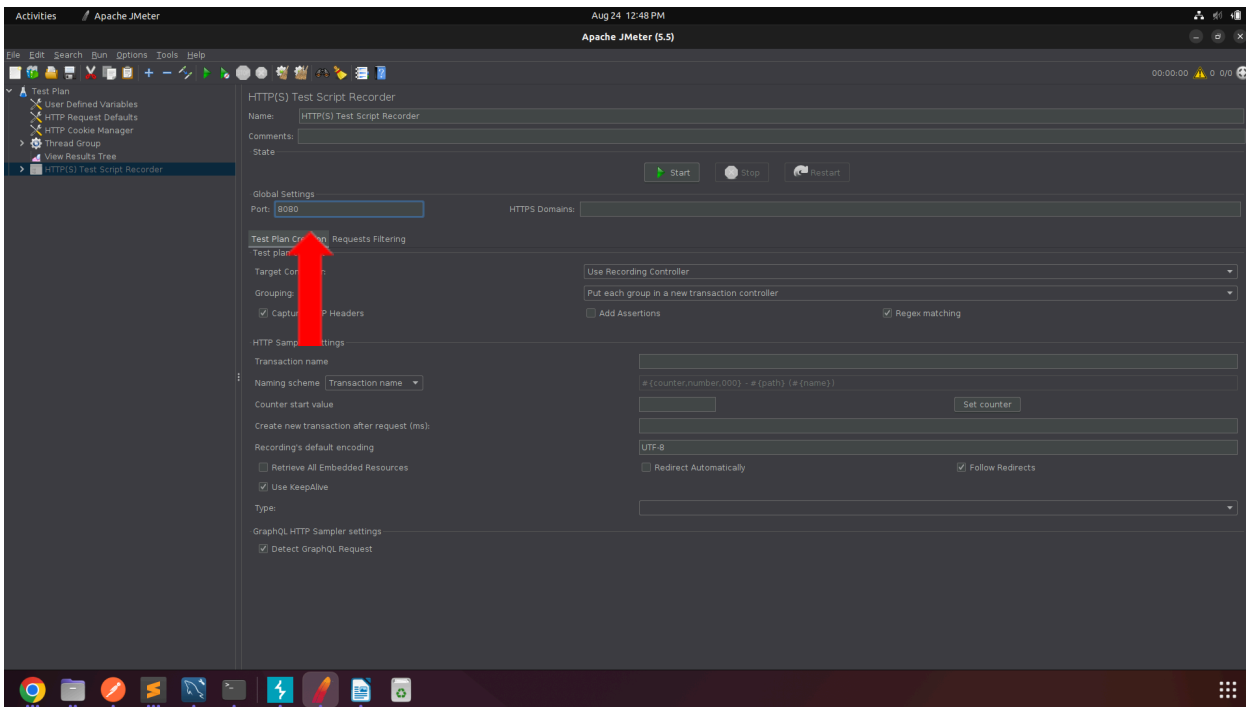Proxy Bypass   Enter comma separated hosts to bypass proxy settings.

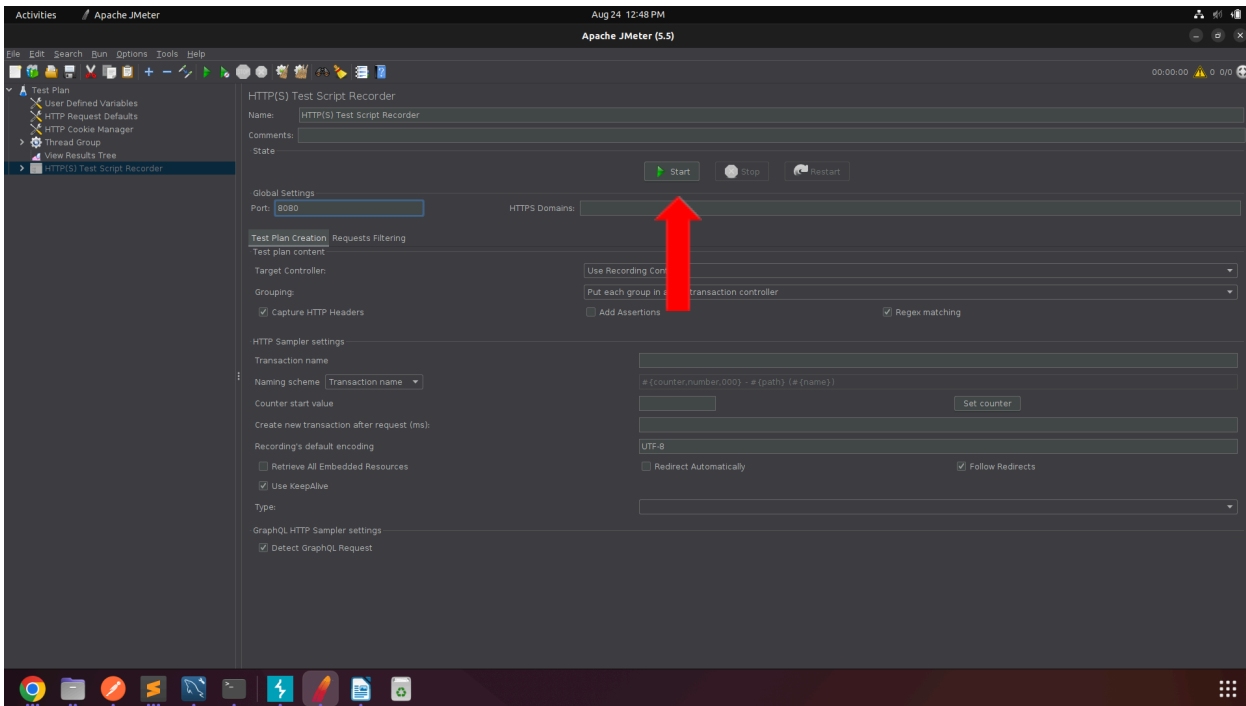7.Launch Jmeter, click on template CTA button

8.Select Recording template in it and click on create CTA button.

9.Click on "HTTP(S) Test Script Recorder" and change port to "**8080**".
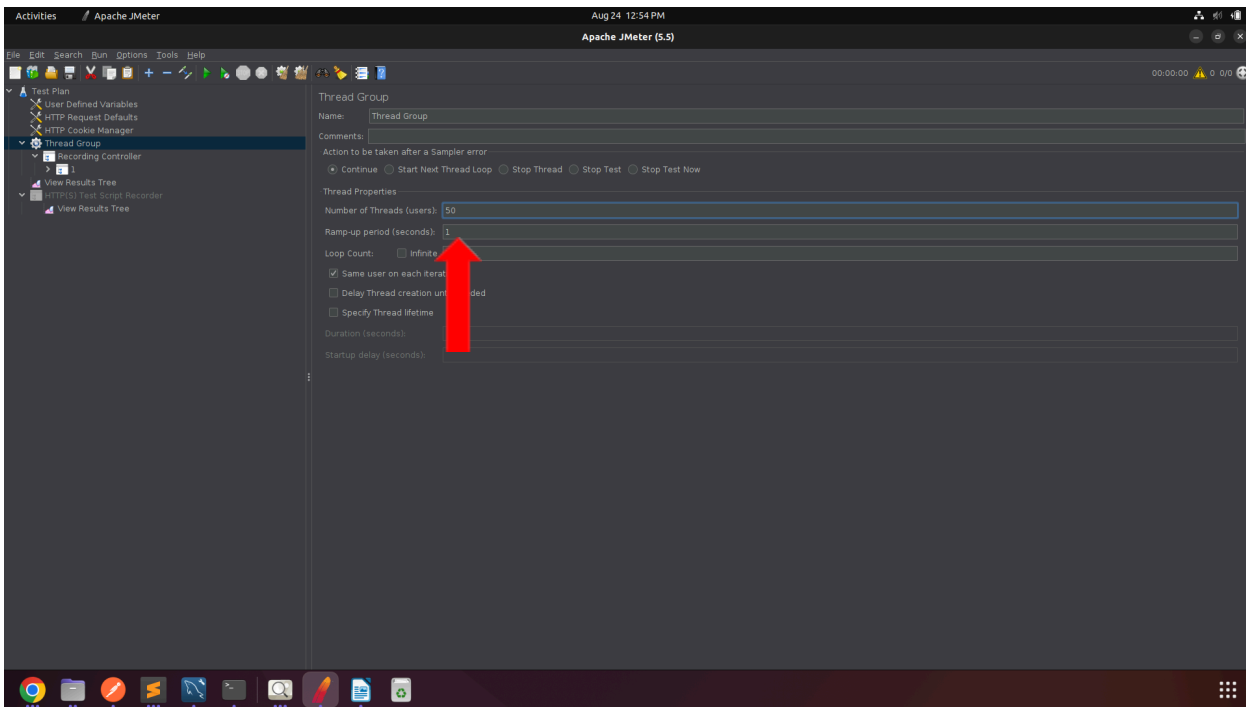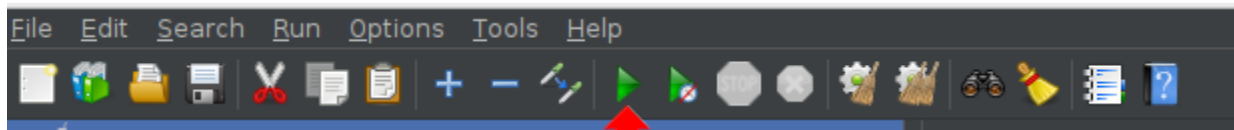
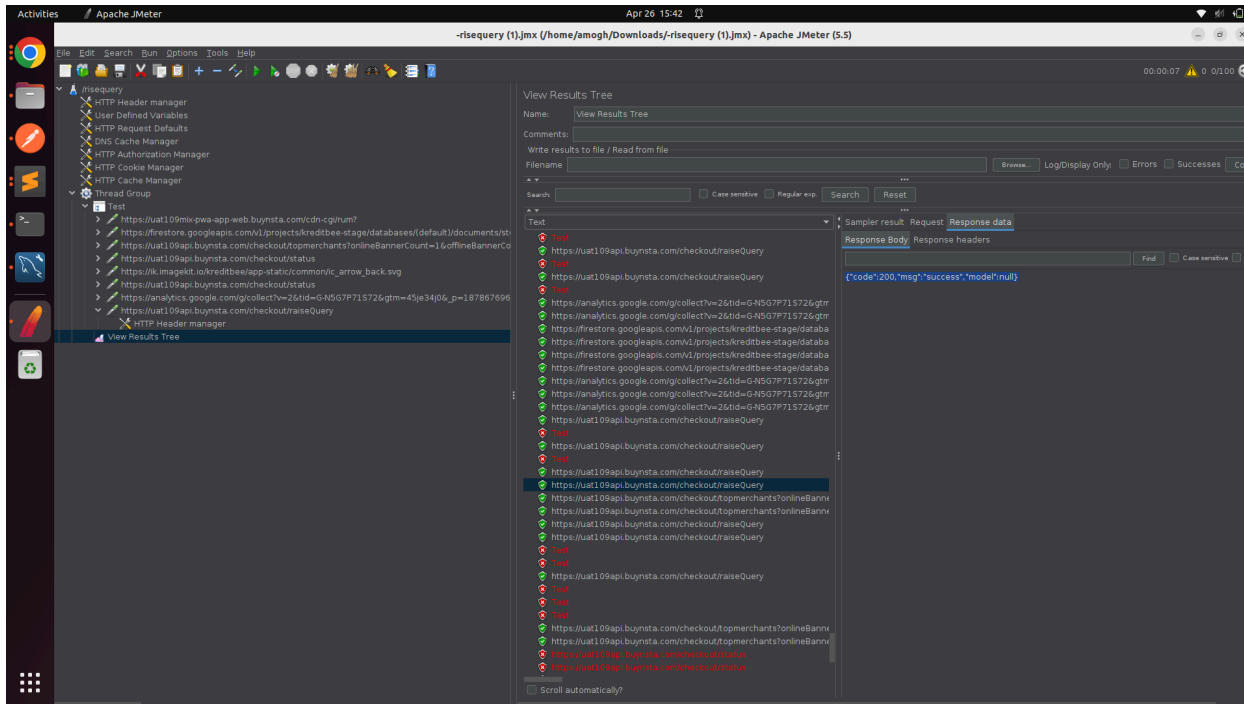10. Click on start CTA and Go back to the postman.

11. Trigger the Request.

12. Triggered request will be recorded and it will be present in thread groups.

13. Change the user threads to 50,Click on the start test button.

14. View and validate the results which will   be stored in the View results tree.

15. Validate as per Test Case.