**JMeter installation and configuration in ubuntu 22.04**

**Prerequisites:**

Java need to be installed.

**JMeter installation in ubuntu 22.04:**

sudo wget https://archive.apache.org/dist/jmeter/binaries/apache-jmeter-5.5.tgz

**Extract the tarball:**

sudo tar -xvzf apache-jmeter-5.5.tgz -C /opt/

**Create a symlink (optional but recommended for easier access)**

sudo ln -s /opt/apache-jmeter-5.5 /opt/jmeter

**Add JMeter to the system path: Add the following line to your .bashrc or .bash\_profile**

nano ~/.bashrc

**Add the following line at the end of the file:**

export PATH=$PATH:/opt/jmeter/bin

**Reload the Shell Configuration:**

source ~/.bashrc

**check the JMeter version**

jmeter -v

**How to check and navigate to the JMeter directory**

Check JMeter Installation Directory,

cd /opt/apache-jmeter-5.5

ls -l

This should display the contents of the JMeter directory, including bin, lib, and other folders.

**If you created a symlink for easier access, you can check that it works:**

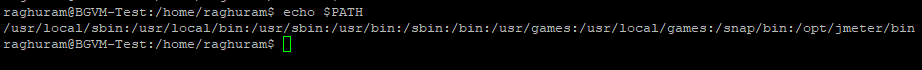
ls -l /opt/jmeter

This should show that /opt/jmeter points to /opt/apache-jmeter-5.5.

**Verify the PATH Configuration**

To ensure that the jmeter command is recognized from any directory:

echo $PATH



Output:

/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin:/opt/jmeter/bin

**JMeter load test file:**

mkdir albtest

add the load test file with .jmx file format (sample load test .jmx file was added in gogs repo FYR I will attach the repo at the end of the file under jmeter folder - albdnstest.jmx).

**changed the file permission before you run test.**

sudo chmod 755 albdns.jmx

**cmd to run load test:**

jmeter -n -t /home/raghuram/albtest/albdnstest.jmx -l /home/raghuram/albtest/results.jtl -j /home/raghuram/albtest/jmeter.log -LDEBUG

This above command will run the JMeter test plan located at **/home/raghuram/albtest/albdnstest.jmx in non-GUI mode**.

The results will be stored in **/home/raghuram/albtest/results.jtl.**

All log messages, including debug-level details, will be written to **/home/raghuram/albtest/jmeter.log**

<https://gogs.bicsglobal.com/BICS_IT/EC2-TF-ASG.git>