

# Phase3-Practice Project: Assisted Practice

## JMeter:

### Distributed Config :

Write a program to demonstrate distributed config on JMeter.

Distribute set up in JMeter.

=====

- when we have many scripts to be executed using many users and using many servers
- when you have requirement to do performance testing a particular region of user
- when testing has to be done on different platform
- in distributed set up we will have 1 main jmeter server and jmeter scripts/samplers
- We will have host servers that will act as workers where script will be executed remotely

Distributed Set up:

=====

master node:

- java version  $\geq 8$
- environment variables for java have to be set
- Jmeter 5.6.2

Remote machine:

- java version >= 8
- environment variables for java have to be set
- Jmeter 5.6.2

Distributed set up we will use same machine as master and as slave

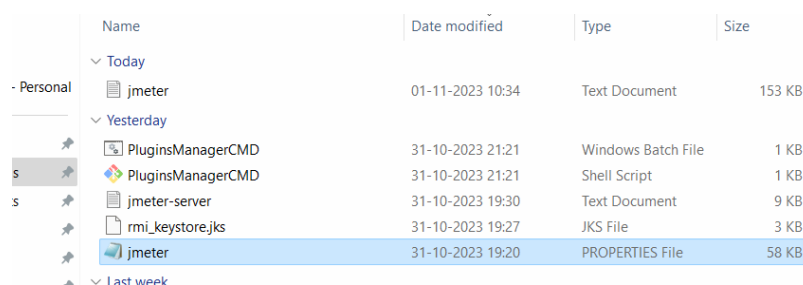
Step 1: ipaddress of current laptop:

> open command prompt > execute command ipconfig

IPv4 Address. . . . . : 192.168.1.7

Step 2:

- > go apache jmeter folder/bin
- > open the jmeter properties file
- > make changed to remote\_hosts section
- > Add the remote\_hosts = 192.168.1.7



	Name	Date modified	Type	Size
	Today			
Personal	jmeter	01-11-2023 10:34	Text Document	153 KB
	Yesterday			
	PluginsManagerCMD	31-10-2023 21:21	Windows Batch File	1 KB
	PluginsManagerCMD	31-10-2023 21:21	Shell Script	1 KB
s	jmeter-server	31-10-2023 19:30	Text Document	9 KB
s	rmi_keystore.jks	31-10-2023 19:27	JKS File	3 KB
	jmeter	31-10-2023 19:20	PROPERTIES File	58 KB
	Last week			

In this file search for remote\_hosts

```
#-----
# Remote hosts and RMI configuration
#-----

# Remote Hosts - comma delimited
#remote_hosts=127.0.0.1
remote_hosts=192.168.1.7|
#remote_hosts=localhost:1099,localhost:2010

# RMI port to be used by the server (must start rmiregistry with
#server_port=1099
```

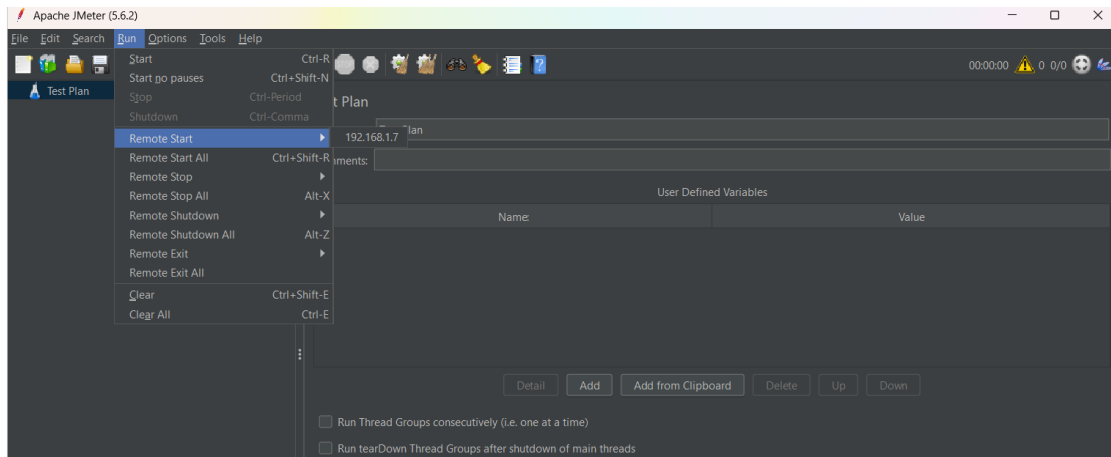
In the same file search for server.rmi.ssl.disable

Remove the #

server.rmi.ssl.disable = true

```
#
# Type of truststore : JKS
#server.rmi.ssl.truststore.type=JKS
#
# Keystore file that contains certificate
#server.rmi.ssl.truststore.file=rmi_keystore.jks
#
# Password of truststore
#server.rmi.ssl.truststore.password=changeit
#
# Set this if you don't want to use SSL for RMI
server.rmi.ssl.disable=true
#-----
#----- Include Controller
```

Stop and restart your jmeter



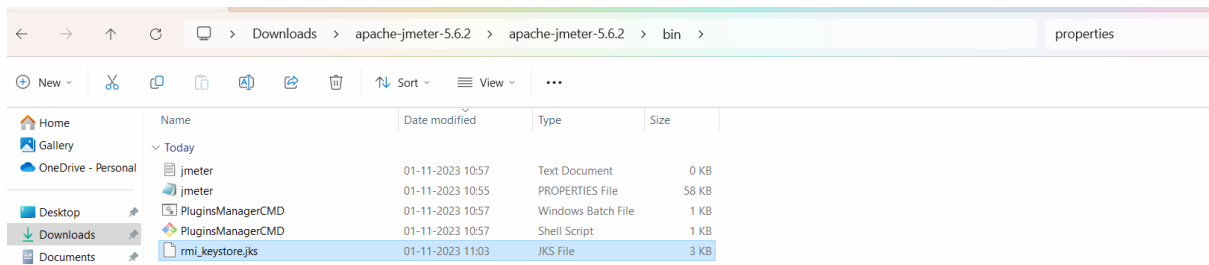
Again go to apache folder/bin folder and search for a file with name:

create-rmi-keystore -> windows batch file

This file is executable. Double click on it and it will open a command prompt and enter as show below details and press enter

```
What is your first and last name?
[Unknown]: rmi
What is the name of your organizational unit?
[Unknown]: qa
What is the name of your organization?
[Unknown]: qa
What is the name of your City or Locality?
[Unknown]: a
What is the name of your State or Province?
[Unknown]: hr
What is the two-letter country code for this unit?
[Unknown]: IN
Is CN=rmi, OU=qa, O=qa, L=a, ST=hr, C=IN correct?
[no]: yes
```

A file with name rmi\_keystore.jks will get generated



In the bin folder itself search for jmeter-server -> windows batch file

stoptest	25-10-2023 18:43	Shell Script	2 KB
utility	25-10-2023 18:43	Groovy Source File	2 KB
BeanShellFunction.bshrc	25-10-2023 18:43	BSHRC File	3 KB
heapdump	25-10-2023 18:43	Windows Comma...	2 KB
<b>jmeter-server</b>	<b>25-10-2023 18:43</b>	<b>Windows Batch File</b>	<b>3 KB</b>
mirror-server	25-10-2023 18:43	Windows Comma...	2 KB

Double click on it, it will open command prompt and make connect between master and slave

```

C:\WINDOWS\system32\cmd. x + v
Could not find ApacheJmeter_core.jar ...
... Trying JMeter_HOME=..
Found ApacheJMeter_core.jar
WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future r
elease
WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future r
elease
WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future r
elease
WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future r
elease
Created remote object: UnicastServerRef2 [liveRef: [endpoint:[192.168.1.7:50357](local),objID:[-41271996:18b89627e0a:-7f
ff, 2390624086204562033]]]

```

Keep the command prompt running/open.

Stop and restart jmeter

Create a test on jmeter and go to Menu option → run → Click on remote start

