

Distributed set up

Distribute set up in Jenkins

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- > 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
- > indistributed 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:

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master node:

- java version ≥ 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
s	PluginsManagerCMD	31-10-2023 21:21	Shell Script	1 KB
s	jmeter-server	31-10-2023 19:30	Text Document	9 KB
	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
```

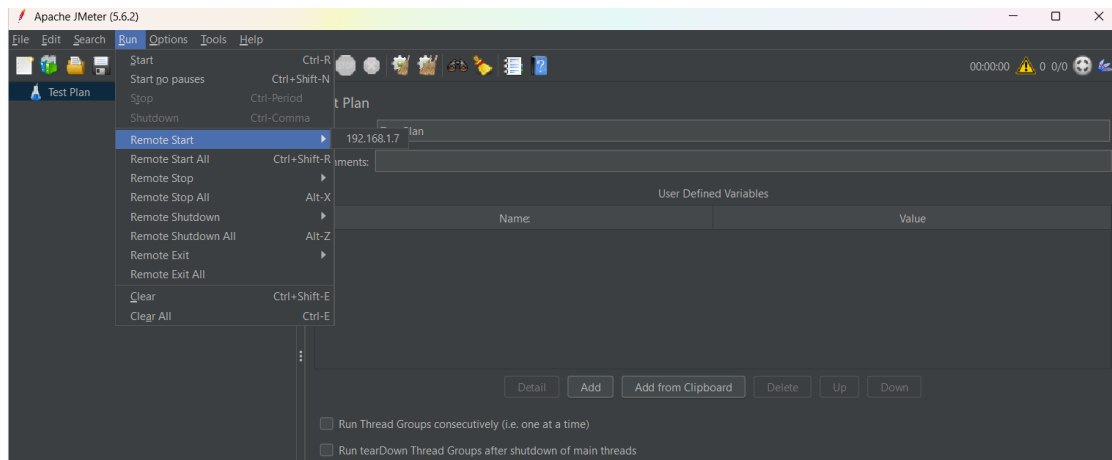
In the same file search for server.rmi.ssl.disable

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



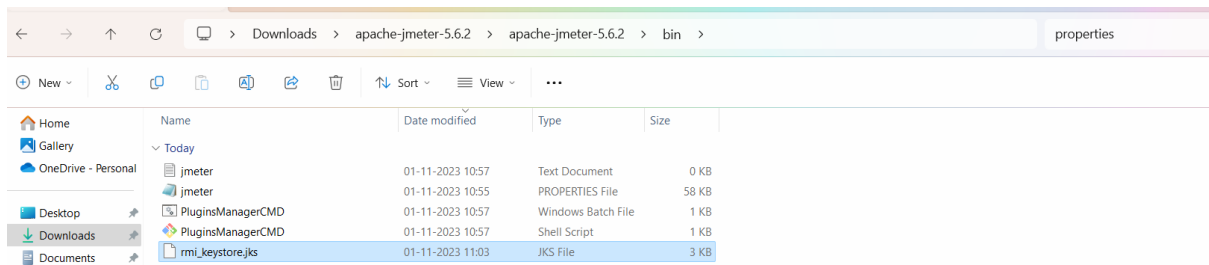
Again go to apache folder/bin folder and search for a file with name:

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
jmeter-server	25-10-2023 18:43	Windows Batch File	3 KB
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

