

Distributed testing



Problem ?

Single jMeter have a limited number of thread
100-300 threads

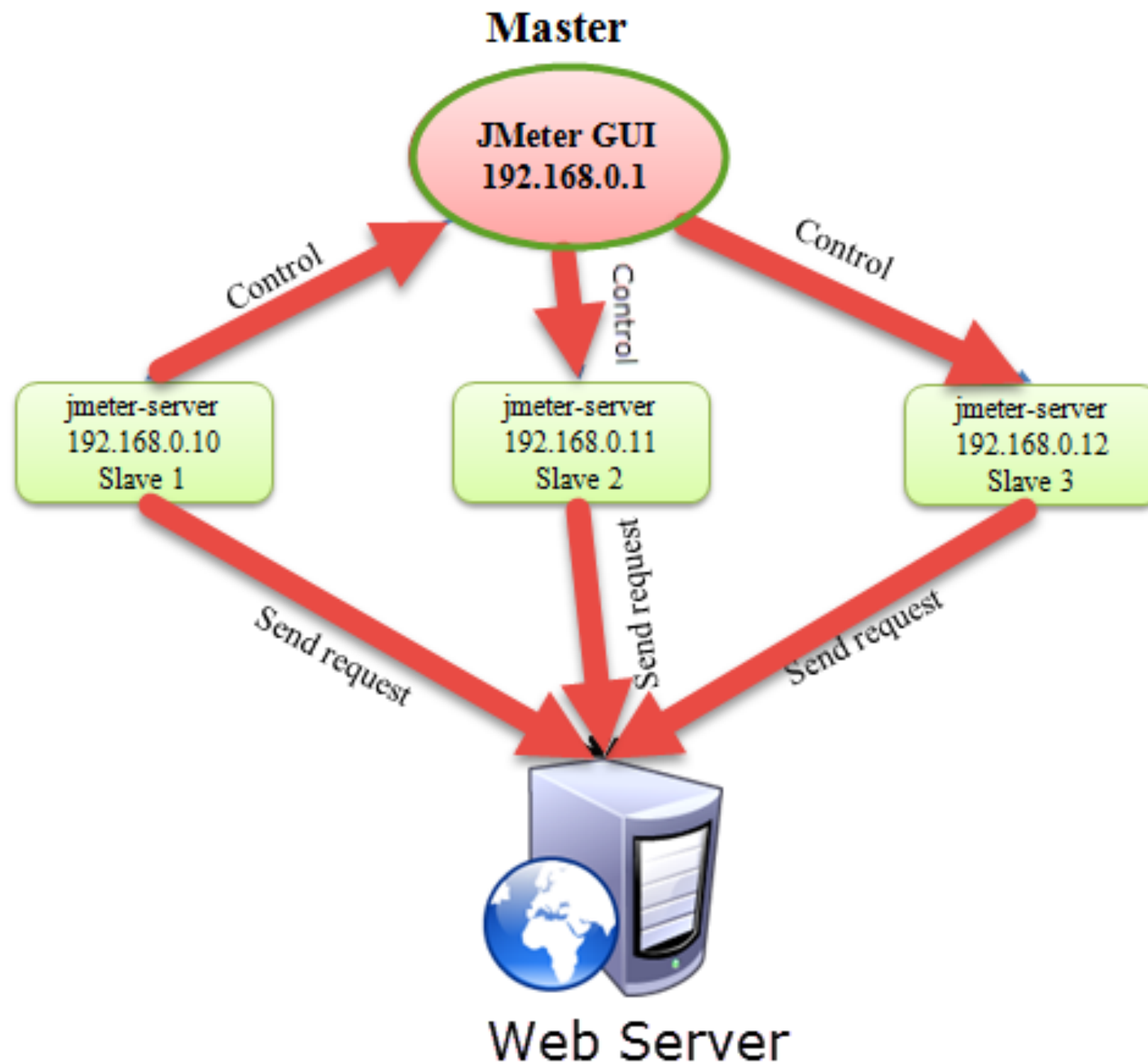
Increase HEAP size !!

But not enough with need

Config in file jmeter.bat, jmeter

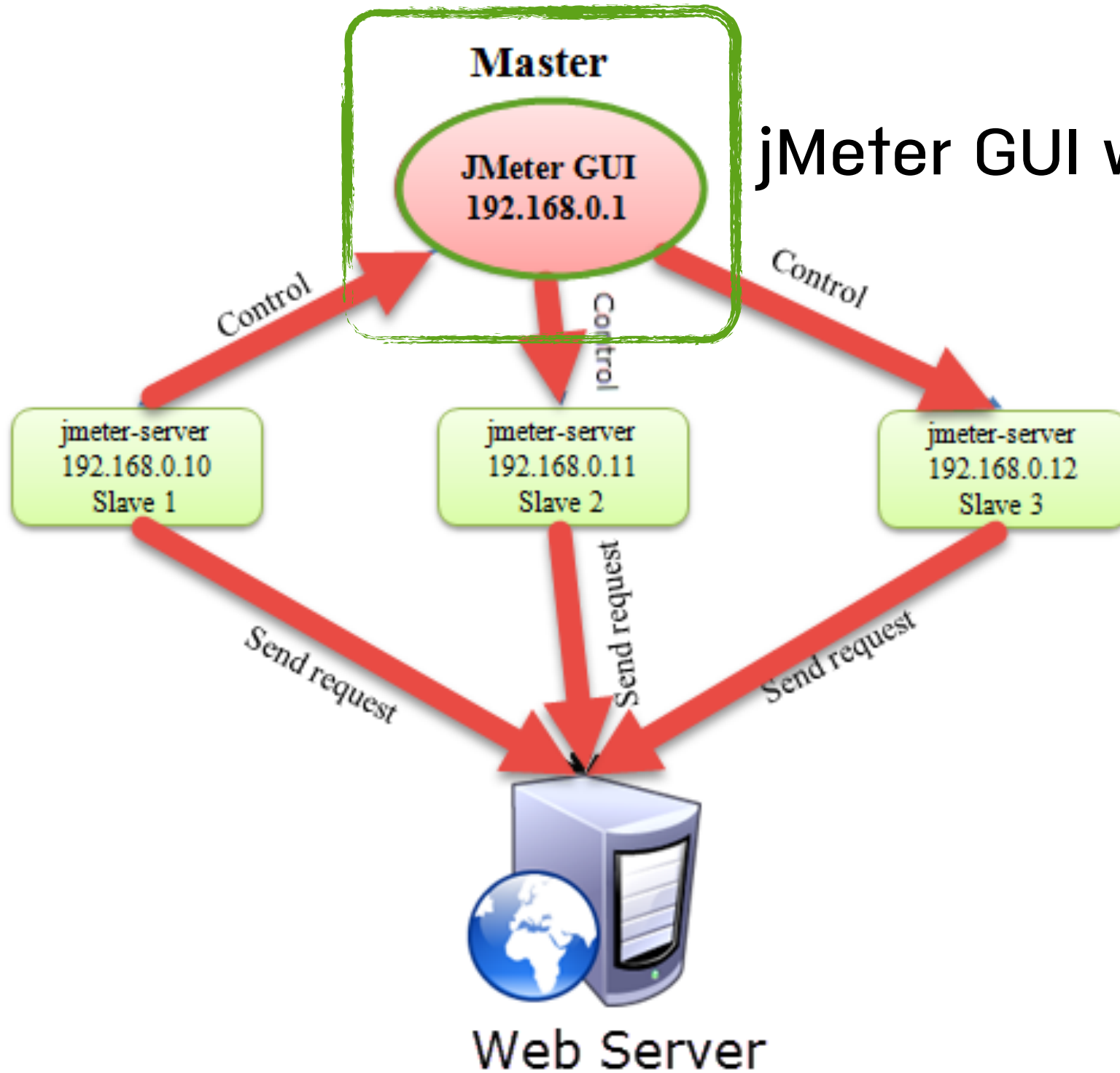
```
rem See the unix startup file for the rational  
rem including some tuning recommendations  
set HEAP=-Xms512m -Xmx512m  
set NEW= -XX:NewSize=128m -XX:MaxNewSize=128m  
set SURVIVOR=-XX:SurvivorRatio=8 -XX:TargetSurvivorRatio=90  
set TENURING=-XX:MaxTenuringThreshold=2
```

What we need ?



Master

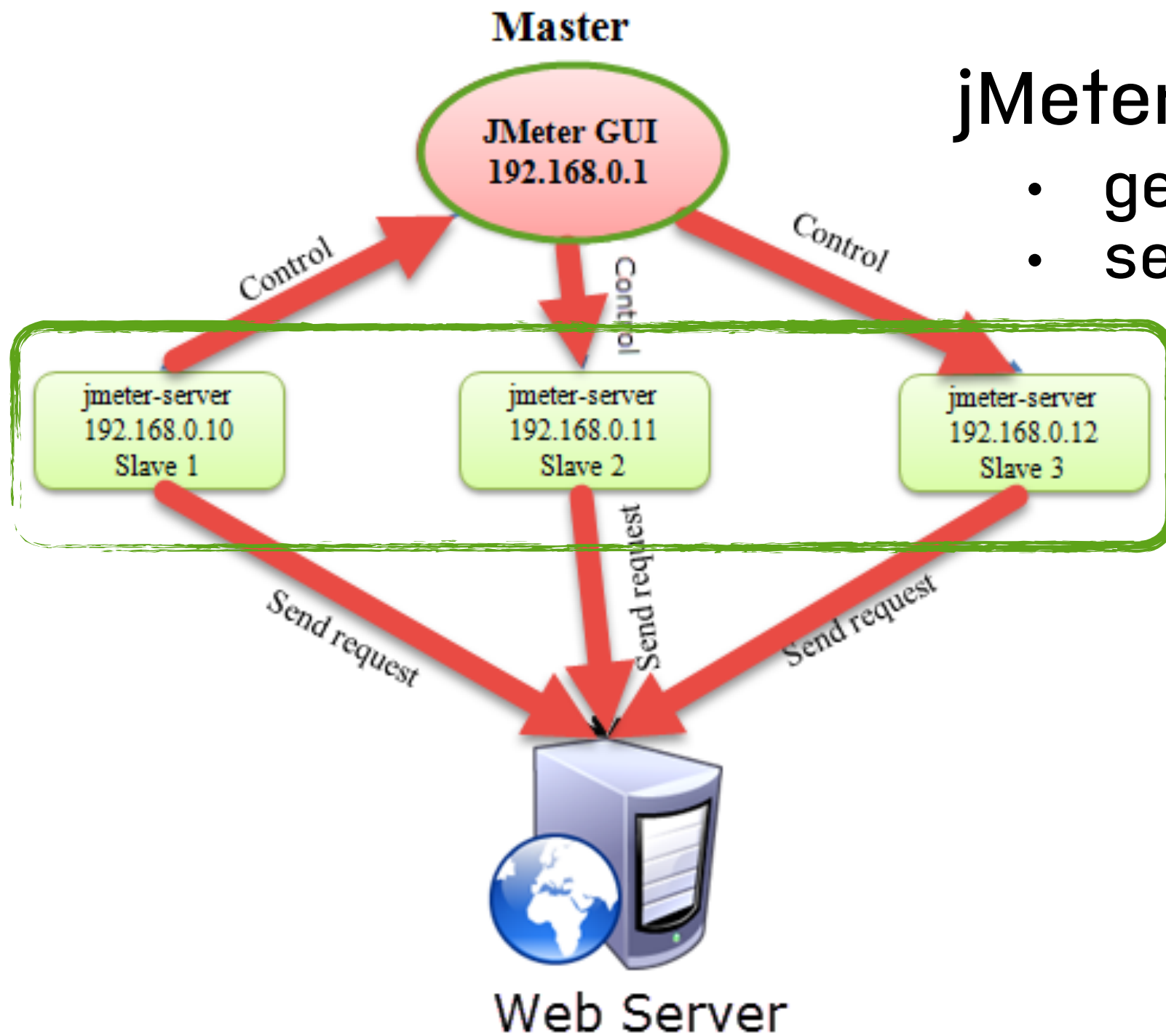
jMeter GUI which controls each slave



Slave

jMeter server that

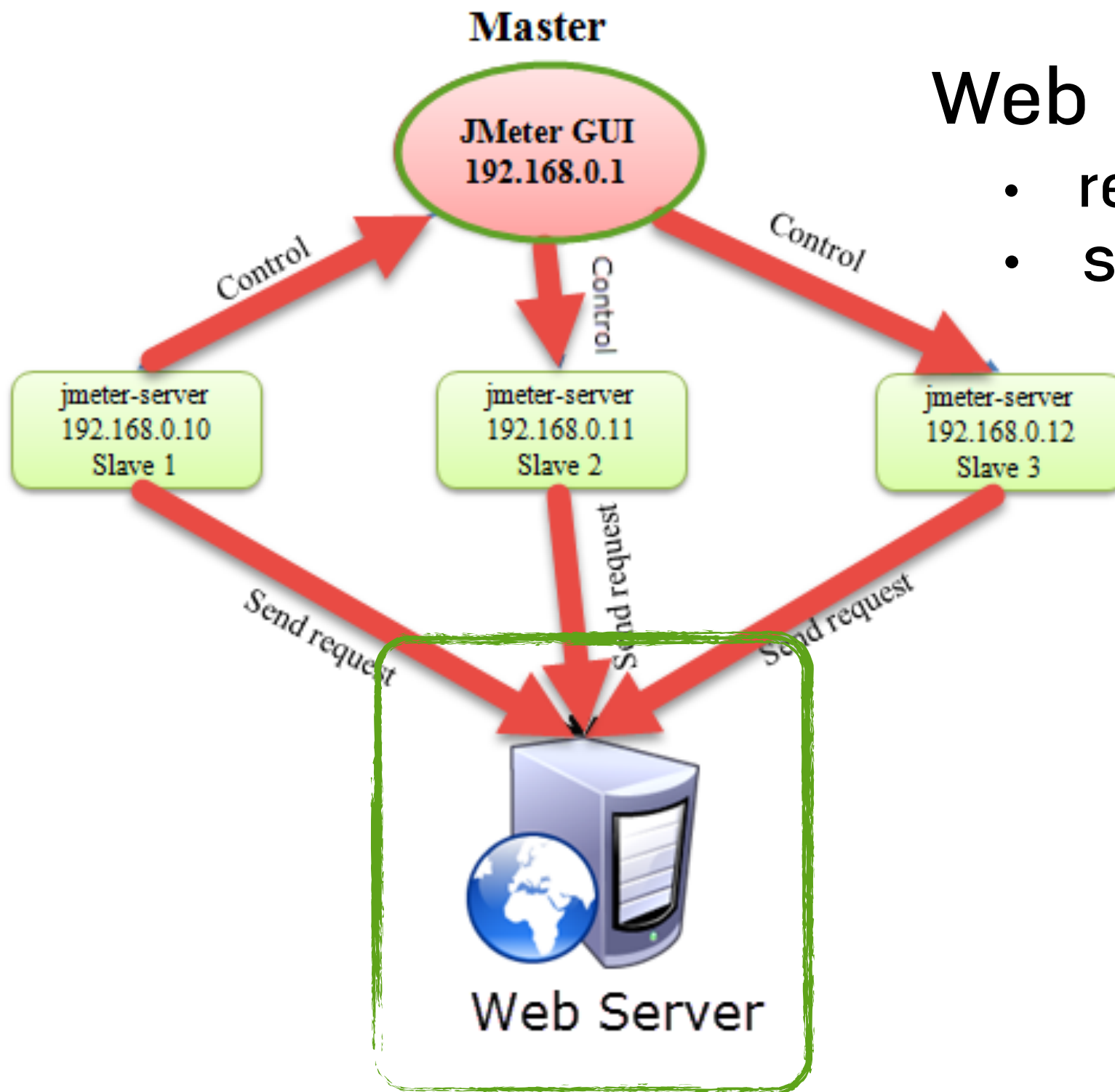
- get command from master
- send request to SUT/Target



Target

Web server

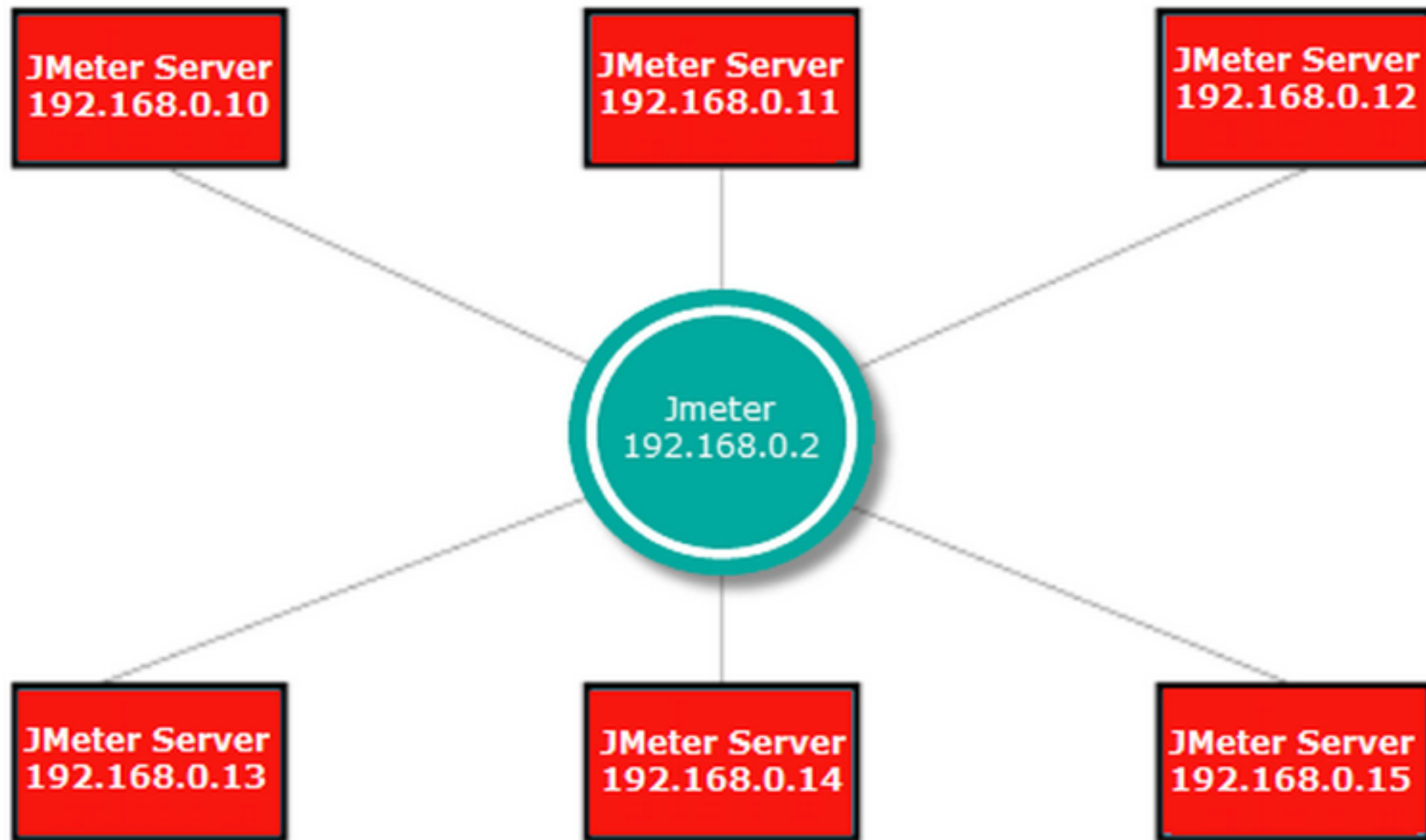
- receive request from slave
- system under test (SUT)



“Use same version of jMeter”



Let's start



1. For slaves

`$jmeter-server -Djava.rmi.server.hostname=<ip>`

```
MacBook-Pro:bin somkiat$ sh jmeter-server
Created remote object: UnicastServerRef [liveRef: [endpoint: [192.168.2.119:57006] (local), objID: [70a352cf:14dddbb8c15:-7fff, 8836550639352505945]]]
```

2. For master

Add all slave in **jmeter.properties**

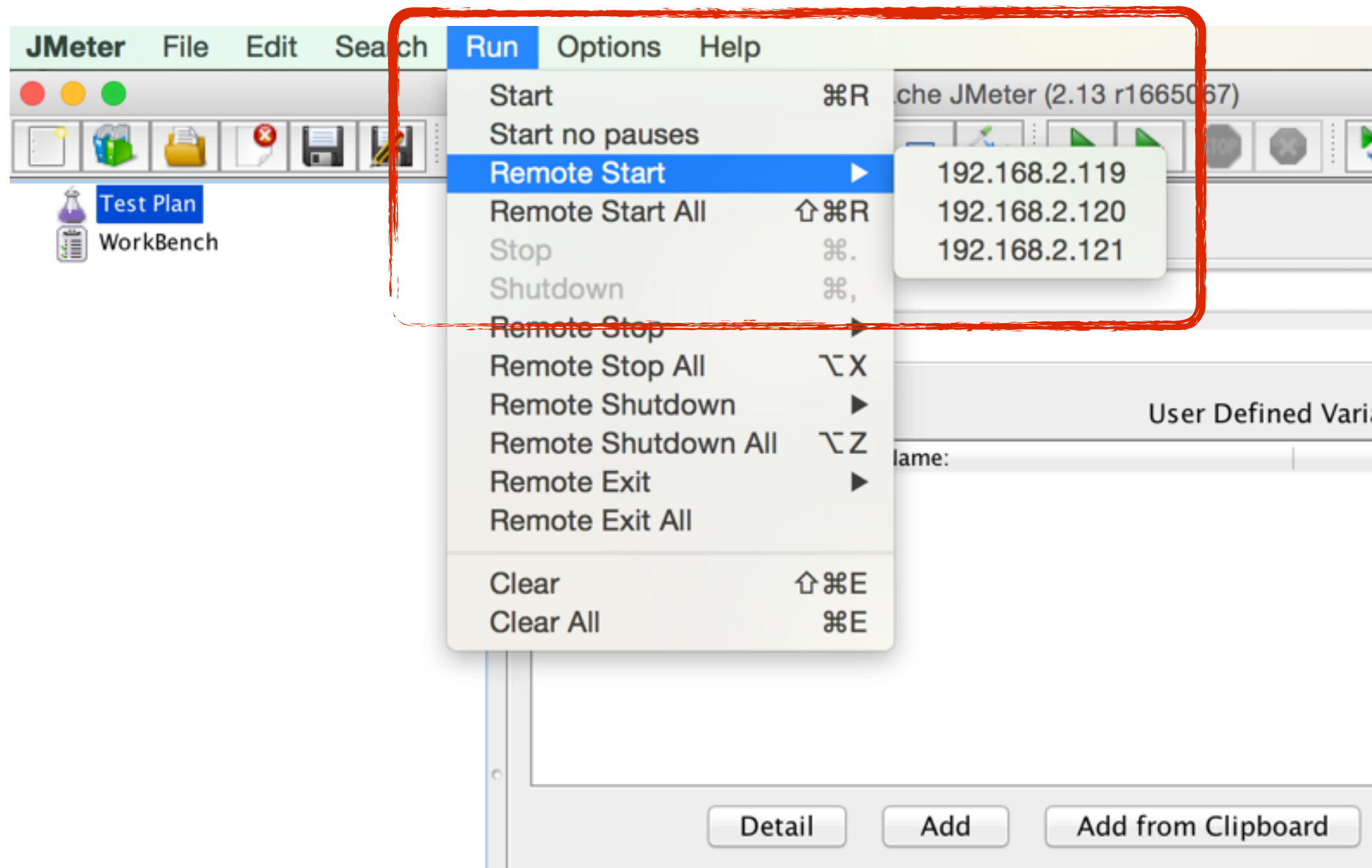
```
#-----  
# Remote hosts and RMI configuration  
#-----
```

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

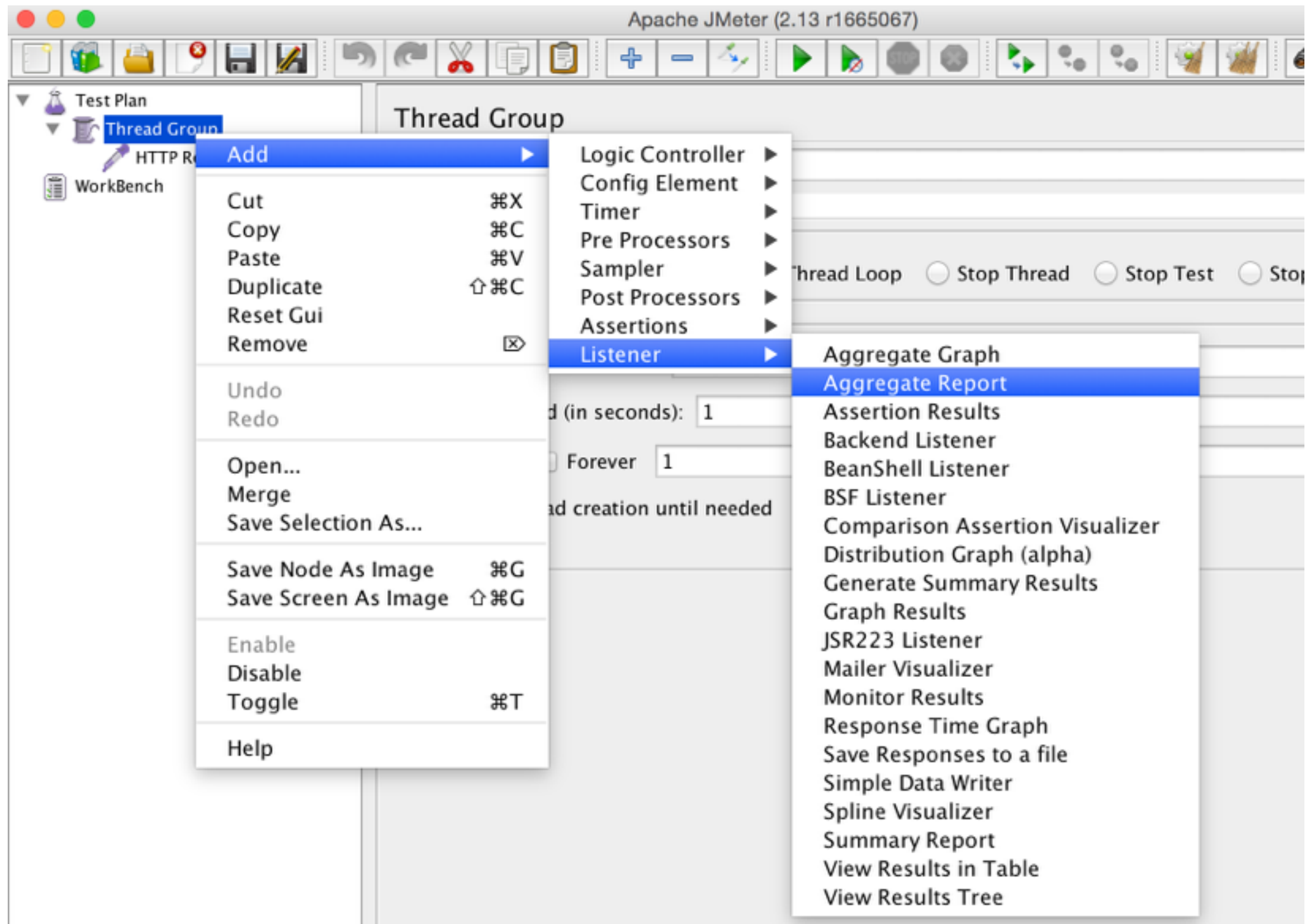
```
# RMI port to be used by the server (must start rmireg:  
#server_port=1099
```

3. For master

Start jMeter GUI



4. Use Aggregate report



Run in non-GUI mode

```
$jmeter -n -t script.jmx -r
```

```
$jmeter -n -t script.jmx -R server1,server2
```

Let's workshop

