

2023 – Learn JMeter By Examples

Session 1 – How To Install JMeter

@DanielYuanPerf

Performance TEST LabCN @DanielLovePerf

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Performance Testing Goal? Find Bottlenecks

But How ?

→ **Setup Monitor** then Trigger the Test

→ KPIs Observation

→ Bottleneck Analysis then Performance Tuning

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What You Will Learn



Installation
JMeter GUI
Start First Script
Main KPIs
Plugins Manager
Dataset
Functions & variables
Record script
Regular Expression Extractor
REST Testing
DB Testing
FTP Testing

Concurrent Testing Group
Logic control,
BeanShell PreProcessor
Timer
Distributed testing
...
Real Scenario Testing
Command line
HTML report

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Beginner Level



[Series 1]:
Learn JMeter By Examples

Big Data Testing Basis
Architecture
Framework
...
Real Scenario Testing

[Series 2]: Monitor & Analysis

Perf Monitor Basis
CPU
Memory
Disk
Network
Monitor Tool
...
Real Scenario Testing

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Master Level

[Series 3]: BigData Testing

A Real Scenario

Login → Create User →

Only Once Like:

- 1 Thread
- 1 Loop

Login

Username : Admin
Password : admin123

Username

Password

Login

[Forgot your password?](#)

Load Admin Page → Search This User → Search All Users →

Thread Properties

Number of Threads (users): 5

Ramp-up period (seconds): 1

Loop Count: ☐ Infinite 5

☒ Same user on each iteration

☐ Delay Thread creation until needed

☐ Specify Thread lifetime

Duration (seconds):

Startup delay (seconds):

Round 1:

- 5 Threads
- 5 Loops

Thread Properties

Number of Threads (users): 5

Ramp-up period (seconds): 1

Loop Count: ☒ Infinite

☒ Same user on each iteration

☐ Delay Thread creation until needed

☒ Specify Thread lifetime

Duration (seconds): 300

Startup delay (seconds):

Round 2:

- 5 Threads
- 300 s (5 min)

Delete Created User & Logoff

Only Once Like:

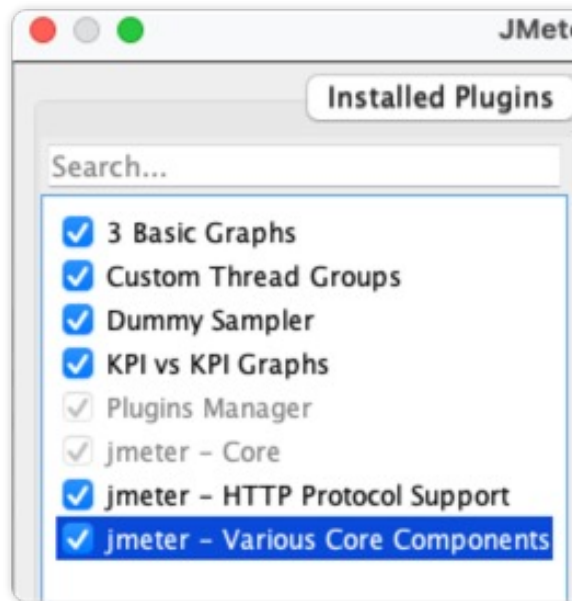
- 1 Thread
- 1 Loop

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Jmeter Scripts Used In Each Session



Install recommended plugins, then you can open these scripts correctly.



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MacOS

Step 1 – Navigate to https://jmeter.apache.org/download_jmeter.cgi

Step 2 – Check if Java is installed which is mandatory

Java -version or java --version (Guide: <https://phoenixnap.com/kb/install-java-macos>)

Step 3 – Download and extract the tgz file

Binaries

[apache-jmeter-5.5.tgz sha512 pgp](#)
[apache-jmeter-5.5.zip sha512 pgp](#)

Step 4 – Copy to anywhere you want and open the bin folder

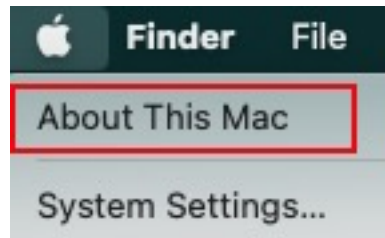
Step 5 – Open Terminal and navigate to the location of the bin folder and run command:

sh jmeter.sh

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Check Chip Vendor on MacOS

M1 or M2



Intel



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Windows

Step 1 – Navigate to https://jmeter.apache.org/download_jmeter.cgi

Step 2 – Check if Java is installed which is mandatory

Java -version (guide: <https://phoenixnap.com/kb/install-java-windows>)

Step 3 – Download and extract the zip file

Binaries

[apache-jmeter-5.5.tgz sha512 pgp](#)

[apache-jmeter-5.5.zip sha512 pgp](#)

Step 4 – Copy to anywhere you want and open the bin folder

Step 5 – Open the jmeter.bat file

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Verify If JMeter Works!



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Next Session – JMeter GUI Introduction

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Thank

You!

YouTube channel:

[Performance Test LabCN](#) [@DanielLovePerf](#)

GitHub Link:

https://github.com/DanielLovePerf/2023_JMeter_Full_Course.git

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