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ກຳນົດຕັ້ງໃຫຍ່ ?

availability ທາງໝາຍເປັນຕົວ

Jmeter

ກຳນົດຕັ້ງໃຫຍ່ຕາມພວມ ພັນ requirement

show ຂອງ real time

ຍົກເລີກຂອງຕະຫຼາດໄວ້

ຈິງເສຍ

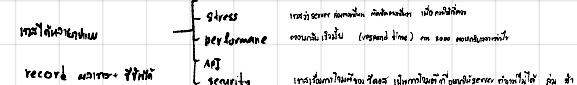
- ກຳນົດ ຊື່ຕົວ ປັບປຸງ server ດີ

- ທີ່ Dynamic testing ສໍາຄັນ

ດັ່ງນີ້ທີ່ຈະຈຳນວນກັບຄົນເຊີ້ນຄົນຊ່າງຍາກ ສະລັບໂທຢູ່ 1-2 ລັດຄົນ

ໃນ performance test

platform independent



Customizable ຮັດຕະຫຼາດຄົນ

Community support

ສຶກສິດ



Jmeter

ກຳນົດຕັ້ງ

- ສ່ວນ traffic
- ຮັດ performance
- script test

- ຖີ້ວາ real time ໂດຍ

• ກຳນົດຕັ້ງເປົ້າ B. non-functional req.

• offering ສັນຕະພາບ ສົມຜົນ

- ໃຊ້ຕົ້ນຄະຍໍ platform

- record, rerun ໂດຍ

- customize ໂດຍ

- community support

- performance testing

• Type Testing

- Load testing test load on req.

- Stress testing ໃນ limit ຮັບຮັບ

- Performance ໃນ response time

- API ໃນ

- Security ໃນ ແລະ DDOS

• ຜົນຕົວ

- ນີ້
- support protocol ລາຍເວນ
- customization
- playback record ເລີ່ມໃຫຍ່

• ຜົນຕົວ

- ກົນຕົວ (Compendium)
- dynamic testing ສໍາຄັນ

J meter จำลองให้มันตอบกลับ set 500 msec.

Stress testing. To find breakpoints ของแอป

Load testing : number of users that can use app

Performance : respond time

ข้อเลีย ถ้าเราต้องทำงานร่วมกับคนอื่นค่อนข้างยาก สเกลใหญ่ 1-2 ล้านคน



1. check Java -v เอาจริงๆ

04 | demo

download & setup

1. Check java is installed on your system
 - java -version
 2. Download JMeter at https://jmeter.apache.org/download_jmeter.cgi
 3. Unzip and keep JMeter folder at any location
 4. Start JMeter
 - Windows
 - go to jmeter/bin
 - click jmeter.bat
 - MacOS
 - open terminal
 - go to jmeter/bin
 - run 'sh jmeter.sh'
- } ອານຸມັດ

ໂຫລດແບບ Binary



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แล้ว นักเรียนสามารถเป็นส่วนตัว

JMeter

Download Apache JMeter

We recommend you use a mirror to download our release builds, but you must verify the integrity of the downloaded files using signatures downloaded from our main distribution directories. Recent releases (48 hours) may not yet be available from all the mirrors.

You are currently using https://mirrors.apache.org/jmeter/binaries/

Other mirrors: <https://cdrom.apache.org/jmeter/binaries/>

The [KERS](#) link links to the code download from our main site. The [SHA-512](#) link links to the SHA-512 signature of the downloaded file.

For more information concerning the KERS system, see the [Apache KERS](#).

Apache JMeter

Binaries

apache-jmeter-5.5.tgz sha5

apache-jmeter-5.5.zip sha5

Source

apache-jmeter-5.5.sar.tar.gz sha512 sha5

apache-jmeter-5.5.sar sha512 sha5

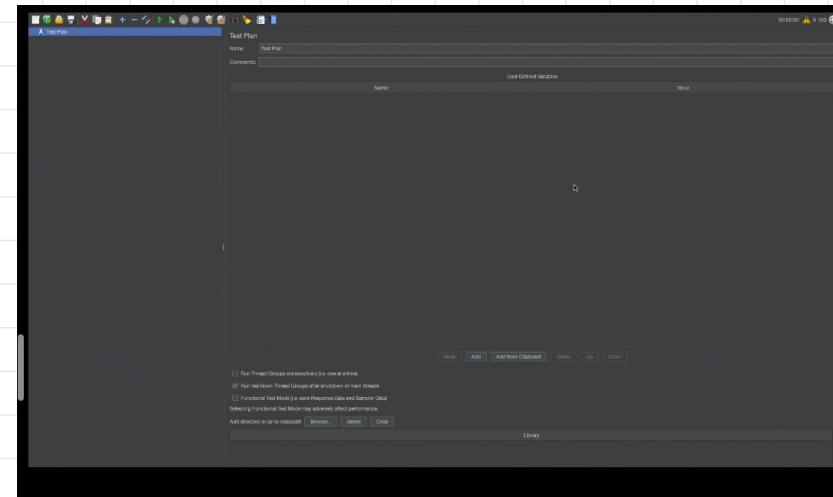
Archives

Older releases can be obtained from the archives.

2. ອີກຕົວໃໝ່ຈິງ

3. cd ຫີ້ directory ສີລົງໄວ້ ແລ້ວ

4 ດີຈຳຕົກນັ້ນໆພາຍເປົ້າ



5 SERVER ທີ່ນີ້ API

04 | demo

api path

1. Get all user
 - a. GET method: `user.nuttchai.app/api/v1/user`
2. Get one user
 - a. GET method: `user.nuttchai.app/api/v1/user/{id}`
3. Create one user
 - a. POST method: `user.nuttchai.app/api/v1/user`
 - b. BODY: `username, firstname, lastname, phone, email`
4. Update one user
 - a. PUT method: `user.nuttchai.app/api/v1/user`
 - b. BODY: `id, username, firstname, lastname, phone, email`

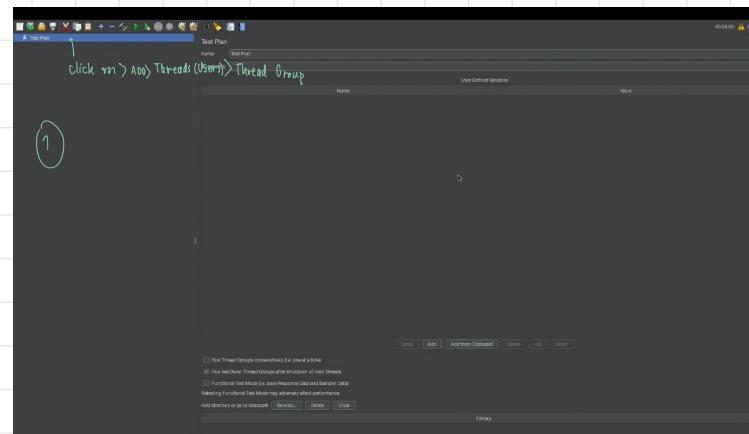
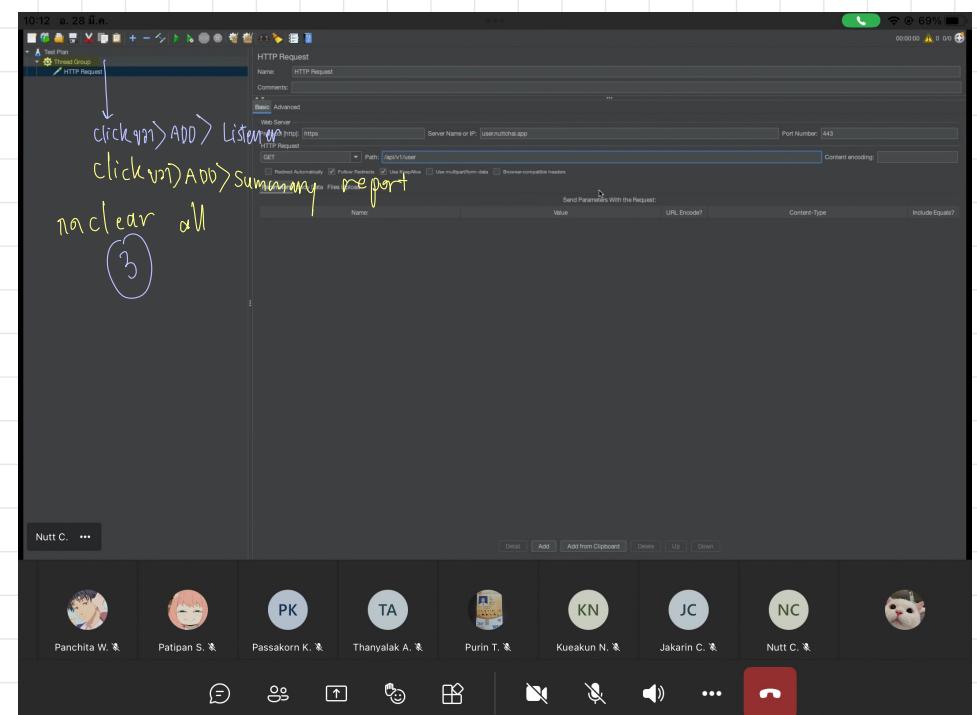
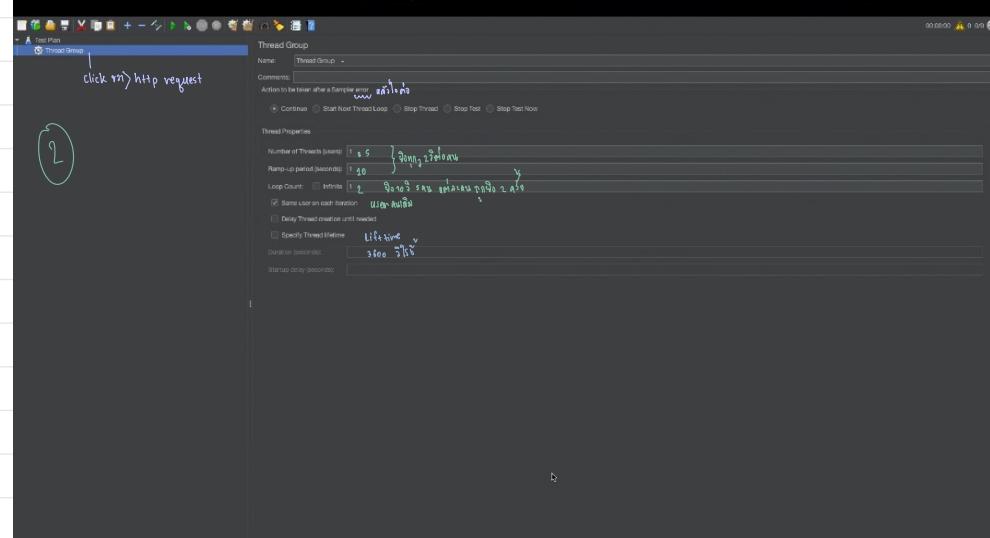
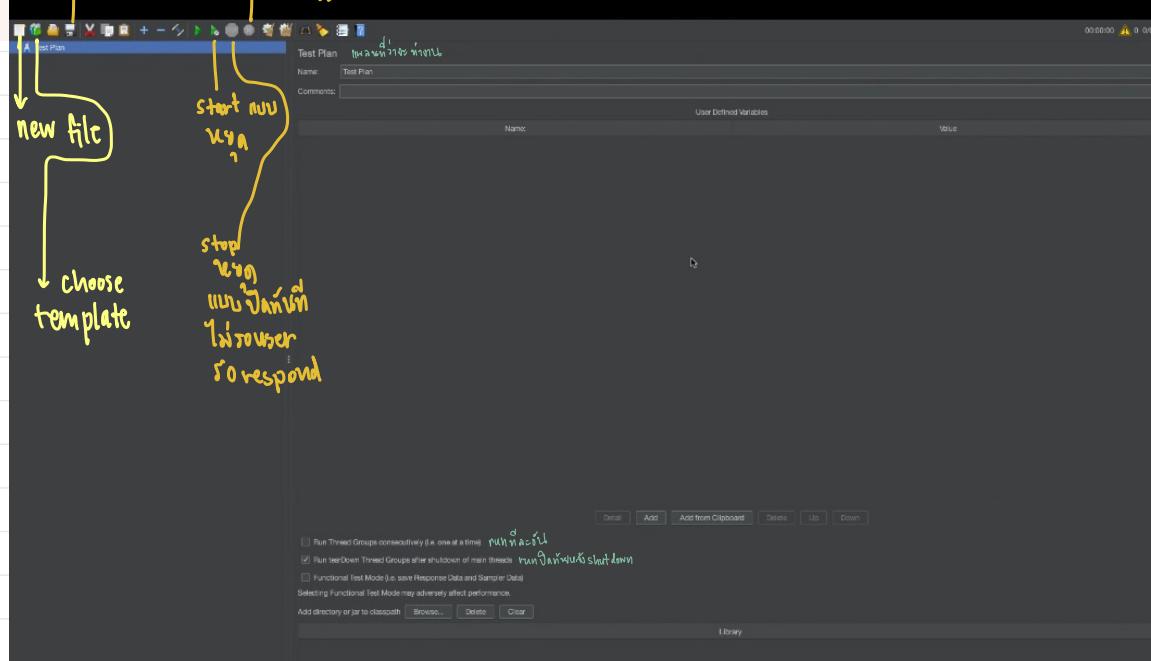
desktop> jmeter → cd bin & run

demo outline

- Download & Setup
- Thread Group & Sampler
- Listeners
- Assertions
- Config Elements

save

shutdown so user can't shutdown



GoodNotes 10:14 a. 28 ន.

Test Plan
Thread Group
HTTP Request
View Results Tree

Name: HTTP Request
Comments:
Protocol: https
Web Server: https://user.nuttchit.app
Port Number: 443
HTTP Request
Method: GET
Path: /api/v1/user
Content encoding:
Follow Redirects:
Use KeepAlive:
Use multipart/form-data:
Browser-compatible headers:
Reduced Automatically:
Content-Type: application/json; charset=UTF-8
Parameters: Body Data, File Upload
Send Parameters With the Request:
Name: Value: URL Encode Content-Type: Include Equals?
Detail Add Add from Clipboard Delete Up Down

Nutt C. ...

GoodNotes 10:24 a. 28 ន.

Test Plan
Thread Group
HTTP Request
View Results Tree
Summary Report
Comments:
Write results to file / Read from file
Filename: SAVE ວ່າງລົງທະບຽນ

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec
HTTP Request	5	133	102	178	24.78	0.00%	35.8/min	0.71	
TOTAL	5	133	102	178	24.78	0.00%	35.8/min	0.71	

GoodNotes 10:24 a. 28 ន.

Test Plan
Thread Group
HTTP Request
View Results Tree
Comments:
Write results to file / Read from file
Filename:
Search: Clear service Regexp Search Reset

View Results Tree
Name: View Results Tree
Comments:
Write results to file / Read from file
Filename:
Search: Clear service Regexp Search Reset

Sample Result Detail Response data: [View JSON](#)
Request Name: loadedResult-14
Request Date: 2023-09-28 19:17:15 IST
Latency: 150
Size in bytes: 1174
Size in kilobytes: 1.174
Headers size in bytes: 309
Headers count: 1
Cookies count: 0
Sample Count: 1
Error Count: 0
Data size in bytes: 0
Data count: 0
Resource Total: "200"
Resource code: 200
ContentType: application/json; charset=UTF-8
Decoding: UTF-8

Scroll automatically? Raw Parsed

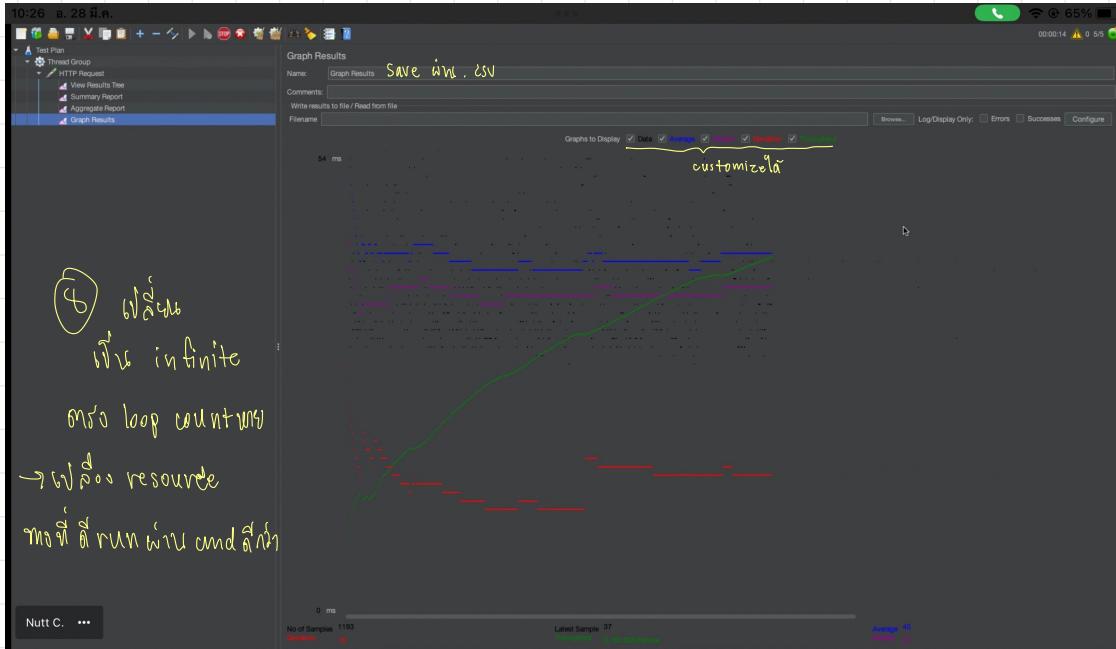
GoodNotes 10:24 a. 28 ន.

Test Plan
Thread Group
HTTP Request
View Results Tree
Summary Report
Aggregate Report
Comments:
Write results to file / Read from file
Filename:

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Max	Maximum	Error %	Throughput	Received KB/sec	Sent KB/sec
TOTAL	0	0	0	0	0	0	0	0	-92337203685.	0.00%	0.00/min	0.00	0.00

Nutt C. ...

Add
Aggregate



test load test in pre production
production von Agnai test

ສິ້ນໄດ້ງົງ CPU ລາວ ກົງ
: ໃຫ້ສຳເນົາວ່າມີເມຕັກ ມີຄູງໃຈ CPU ສືບສົນໃຈ
ອີກ . . . ຂະໜີ ດັບໂດຍ

Gravagna] check RAM CPU
Prometheus] ສຳເນົາວ່າມີເມຕັກ