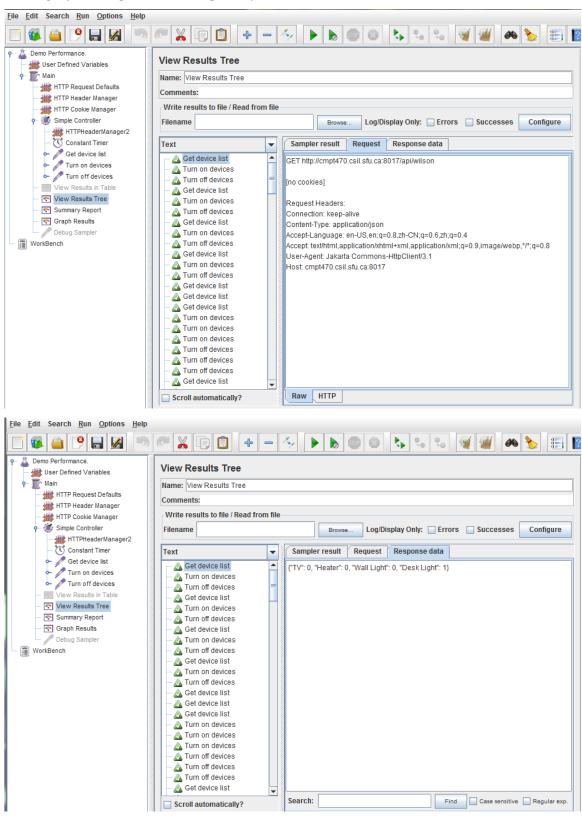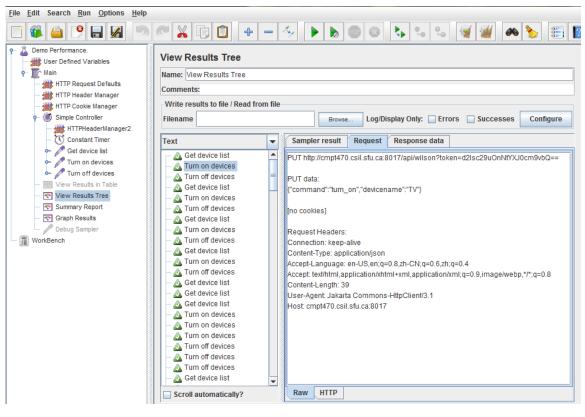# Performance Testing Report

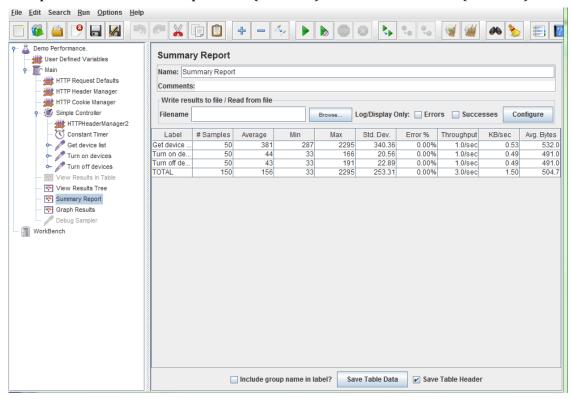Settings (API Request and Response):

Screenshot 1

File Edit Search Run Options Help

- Demo Performance.
  - User Defined Variables
  - Main
    - HTTP Request Defaults
    - HTTP Header Manager
    - HTTP Cookie Manager
    - Simple Controller
      - HTTPHeaderManager2
      - Constant Timer
    - Get device list
    - Turn on devices
    - Turn off devices
    - View Results in Table
    - View Results Tree
    - Summary Report
    - Graph Results
    - Debug Sampler
  - WorkBench

View Results Tree

Name: View Results Tree

Comments:

Write results to file / Read from file

Filename [   ] Browse...   Log/Display Only: ☐ Errors ☐ Successes   Configure

Text ▼

- Get device list
- Turn on devices
- Turn off devices
- Get device list
- Turn on devices
- Turn off devices
- Get device list
- Turn on devices
- Turn off devices
- Get device list
- Turn on devices
- Turn off devices
- Get device list
- Get device list
- Turn on devices
- Turn on devices
- Turn on devices
- Turn off devices
- Turn off devices
- Get device list

☐ Scroll automatically?

Sampler result | **Request** | Response data

PUT http://cmpt470.csil.sfu.ca:8017/api/wilson?token=d2lsc29uOnNtYXJ0cm9vbQ==

PUT data:
{"command":"turn_on","devicename":"TV"}

[no cookies]

Request Headers:
Connection: keep-alive
Content-Type: application/json
Accept-Language: en-US,en;q=0.8,zh-CN;q=0.6,zh;q=0.4
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
Content-Length: 39
User-Agent: Jakarta Commons-HttpClient/3.1
Host: cmpt470.csil.sfu.ca:8017

Raw | HTTP

Screenshot 2

File Edit Search Run Options Help

- Demo Performance.
  - User Defined Variables
  - Main
    - HTTP Request Defaults
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    - HTTP Cookie Manager
    - Simple Controller
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View Results Tree

Name: View Results Tree

Comments:

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- Turn on devices
- Turn off devices
- Get device list
- Turn on devices
- Turn on devices
- Turn on devices
- Turn off devices
- Turn off devices
- Get device list

☐ Scroll automatically?

Sampler result | Request | **Response data**

{"Result": "OK"}

Search: [   ] Find   ☐ Case sensitive ☐ Regular exp.
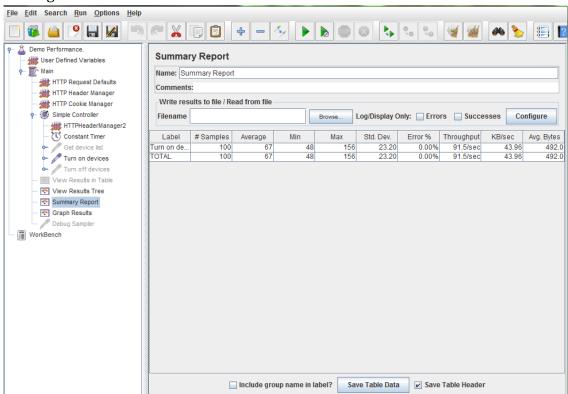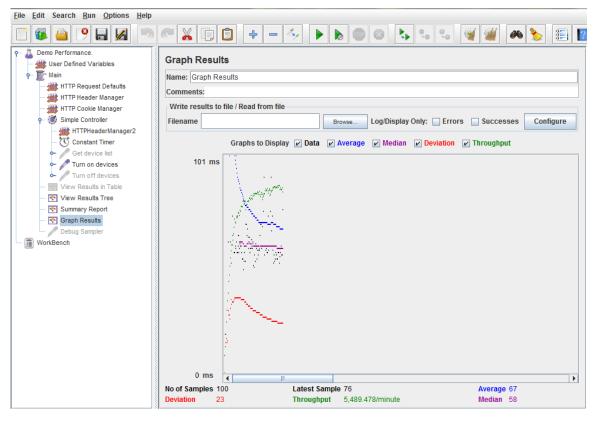
Comparison between Group Server (GET API) and Amazon Server (PUT API):

Testing 100 users PUT API in one second:

Demo Performance.
User Defined Variables
Main
HTTP Request Defaults
HTTP Header Manager
HTTP Cookie Manager
Simple Controller
HTTPHeaderManager2
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Get device list
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Turn off devices
View Results in Table
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WorkBench

Graph Results

Name: Graph Results

Comments:

Write results to file / Read from file

Filename _____ Browse...   Log/Display Only: ☐ Errors ☐ Successes   Configure

Graphs to Display ☑ Data ☑ Average ☑ Median ☑ Deviation ☑ Throughput

101 ms

0 ms

| No of Samples | 100 | Latest Sample | 76 | Average | 67 |
| Deviation | 23 | Throughput | 5,489.478/minute | Median | 58 |

Testing 1000 users accessing PUT API in one second:

Demo Performance.
User Defined Variables
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HTTP Cookie Manager
Simple Controller
HTTPHeaderManager2
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Turn off devices
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View Results Tree
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Graph Results
Debug Sampler
WorkBench

Summary Report

Name: Summary Report

Comments:

Write results to file / Read from file

Filename _____ Browse...   Log/Display Only: ☐ Errors ☐ Successes   Configure

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	KB/sec	Avg. Bytes
Turn on de...	1000	2256	153	9190	1703.81	0.00%	97.8/sec	46.98	492.0
TOTAL	1000	2256	153	9190	1703.81	0.00%	97.8/sec	46.98	492.0

☐ Include group name in label?   Save Table Data   ☑ Save Table Header

Testing 1200 users accessing PUT API get errors: