

Iniciamos

```
[INFO] skip non existing resourceDirectory C:\Users\willy\Documents\Ciencia de Datos\code\labs\Code\labs\Threads_Spring Boot\virtualthreads-demo\src\test\resources
[INFO]
[INFO] --- compiler:14.0:testCompile (default-testCompile) @ virtualthreads-demo ---
[INFO] Nothing to compile - all classes are up to date.
[INFO]
[INFO] <<< spring-boot:3.5.0:run (default-cli) -> test-compile @ virtualthreads-demo <<<
[INFO]
[INFO] --- spring-boot:3.5.0:run (default-cli) @ virtualthreads-demo ---
[INFO] Attaching agents: []

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:: Spring Boot ::                (v3.5.0)

2025-06-17T22:46:12.869-05:00 INFO 28072 --- [virtualthreads-demo] [    main] c.e.v.VirtualThreadsDemoApplication : Starting VirtualThreadsDemoApplication using Java 21.0.6 with PID 28072 (C:\Users\willy\Documents\Ciencia de Datos\code\labs\Code\labs\Threads_Spring Boot\virtualthreads-demo\target\classes started by willy in C:\Users\willy\Documents\Ciencia de Datos\code\labs\Code\labs\Threads_Spring Boot\virtualthreads-demo)
2025-06-17T22:46:12.871-05:00 INFO 28072 --- [virtualthreads-demo] [    main] c.e.v.VirtualThreadsDemoApplication : No active profile set, falling back to 1 default profile: 'default'
2025-06-17T22:46:13.473-05:00 INFO 28072 --- [virtualthreads-demo] [    main] o.s.b.w.e.m.t.TomcatWebServer : Tomcat initialized with port 8080 (http)
2025-06-17T22:46:13.484-05:00 INFO 28072 --- [virtualthreads-demo] [    main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2025-06-17T22:46:13.487-05:00 INFO 28072 --- [virtualthreads-demo] [    main] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.41]
2025-06-17T22:46:13.539-05:00 INFO 28072 --- [virtualthreads-demo] [    main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2025-06-17T22:46:13.541-05:00 INFO 28072 --- [virtualthreads-demo] [    main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 634 ms
2025-06-17T22:46:13.613-05:00 INFO 28072 --- [virtualthreads-demo] [    main] o.s.b.w.e.m.t.TomcatWebServer : Tomcat started on port 8080 (http) with context path '/'
2025-06-17T22:46:13.826-05:00 INFO 28072 --- [virtualthreads-demo] [    main] c.e.v.VirtualThreadsDemoApplication : Started VirtualThreadsDemoApplication in 1.291 seconds (process running for 1.522)
```

Thread group

Plan de Pruebas

Thread Group

HTTP Request

View Results in Table

Summary Report

Thread Group

Name: Thread Group

Comments:

Action to be taken after a Sampler error

☒ Continue

☐ Start Next Thread Loop

☐ Stop Thread

☐ Stop Test

☐ Stop Test Now

Thread Properties

Number of Threads (users): 100

Ramp-up period (seconds): 10

Loop Count: ☐ Infinite 1

☒ Same user on each iteration

☐ Delay Thread creation until needed

☐ Specify Thread lifetime

Duration (seconds):

Startup delay (seconds):

HTTP Request

HTTP Request

Name:

HTTP Request

Comments:

Basic

Advanced

Web Server

Protocol [http]:

Server Name or IP:

Port Number:

HTTP Request

GET

Path:

Content encoding:

☐ Redirect Automatically

☒ Follow Redirects

☒ Use KeepAlive

☐ Use multipart/form-data

☐ Browser-compatible headers

Parameters

Body Data

Files Upload

Send Parameters With the Request:

Name:	Value	URL Encode?	Content-Type	Include Equals?
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View Result Table

View Results in Table

Name:

View Results in Table

Comments:

Write results to file / Read from file

Filename

Browse...

Log/Display Only:

☐ Errors

☐ Successes

Configure

Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Sent Bytes	Latency	Connect Time(...)
1	22:53:23.483	Thread Group 1-1	HTTP Request	2164	✓	202	125	2160	35
2	22:53:23.603	Thread Group 1-3	HTTP Request	2044	✓	202	125	2040	1
3	22:53:23.503	Thread Group 1-2	HTTP Request	2144	✓	202	125	2140	15
4	22:53:23.702	Thread Group 1-4	HTTP Request	2014	✓	202	125	2014	1
5	22:53:23.803	Thread Group 1-5	HTTP Request	2006	✓	202	125	2006	1
6	22:53:23.904	Thread Group 1-6	HTTP Request	2015	✓	202	125	2015	1
7	22:53:24.002	Thread Group 1-7	HTTP Request	2009	✓	202	125	2009	1
8	22:53:24.103	Thread Group 1-8	HTTP Request	2018	✓	202	125	2018	0
9	22:53:24.202	Thread Group 1-9	HTTP Request	2011	✓	202	125	2011	1
10	22:53:24.303	Thread Group 1-...	HTTP Request	2006	✓	203	125	2006	1
11	22:53:24.403	Thread Group 1-...	HTTP Request	2013	✓	203	125	2013	0
12	22:53:24.501	Thread Group 1-...	HTTP Request	2008	✓	203	125	2008	1
13	22:53:24.601	Thread Group 1-...	HTTP Request	2016	✓	203	125	2016	1
14	22:53:24.702	Thread Group 1-...	HTTP Request	2008	✓	203	125	2007	1
15	22:53:24.803	Thread Group 1-...	HTTP Request	2016	✓	203	125	2016	1
16	22:53:24.901	Thread Group 1-...	HTTP Request	2010	✓	203	125	2009	1
17	22:53:25.002	Thread Group 1-...	HTTP Request	2017	✓	203	125	2017	1
18	22:53:25.103	Thread Group 1-...	HTTP Request	2011	✓	203	125	2011	1
19	22:53:25.204	Thread Group 1-...	HTTP Request	2018	✓	203	125	2018	1
20	22:53:25.302	Thread Group 1-...	HTTP Request	2012	✓	203	125	2012	1
21	22:53:25.402	Thread Group 1-...	HTTP Request	2006	✓	203	125	2006	0
22	22:53:25.502	Thread Group 1-...	HTTP Request	2014	✓	203	125	2014	0
23	22:53:25.602	Thread Group 1-...	HTTP Request	2007	✓	203	125	2007	1
24	22:53:25.702	Thread Group 1-...	HTTP Request	2015	✓	202	125	2015	0
25	22:53:25.802	Thread Group 1-...	HTTP Request	2009	✓	202	125	2009	1
26	22:53:25.903	Thread Group 1-...	HTTP Request	2017	✓	202	125	2017	1

☐ Scroll automatically?

☐ Child samples?

No of Samples 100

Latest Sample 2018

Average 2014

Deviation 20

Summary Report

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	Received KB/sec	Sent KB/sec	Avg. Bytes
HTTP Request	100	2014	2003	2164	20,68	0,00%	8,4/sec	1,67	1,03	202,6
TOTAL	100	2014	2003	2164	20,68	0,00%	8,4/sec	1,67	1,03	202,6

Terminal

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2025-06-17T22:53:30.403-05:00 INFO 28072 --- [virtualthreads-demo] [nio-8080-exec-3] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#41,http-nio-8080-exec-3,main]
2025-06-17T22:53:30.502-05:00 INFO 28072 --- [virtualthreads-demo] [nio-8080-exec-1] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#39,http-nio-8080-exec-1,5,main]
2025-06-17T22:53:30.605-05:00 INFO 28072 --- [virtualthreads-demo] [nio-8080-exec-4] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#42,http-nio-8080-exec-4,5,main]
2025-06-17T22:53:30.705-05:00 INFO 28072 --- [virtualthreads-demo] [nio-8080-exec-8] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#46,http-nio-8080-exec-8,5,main]
2025-06-17T22:53:30.804-05:00 INFO 28072 --- [virtualthreads-demo] [nio-8080-exec-9] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#47,http-nio-8080-exec-9,5,main]
2025-06-17T22:53:30.903-05:00 INFO 28072 --- [virtualthreads-demo] [nio-8080-exec-7] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#45,http-nio-8080-exec-7,5,main]
2025-06-17T22:53:31.003-05:00 INFO 28072 --- [virtualthreads-demo] [nio-8080-exec-5] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#43,http-nio-8080-exec-5,5,main]
2025-06-17T22:53:31.104-05:00 INFO 28072 --- [virtualthreads-demo] [nio-8080-exec-6] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#44,http-nio-8080-exec-6,5,main]
2025-06-17T22:53:31.204-05:00 INFO 28072 --- [virtualthreads-demo] [nio-8080-exec-10] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#48,http-nio-8080-exec-10,5,main]
2025-06-17T22:53:31.305-05:00 INFO 28072 --- [virtualthreads-demo] [io-8080-exec-11] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#52,http-nio-8080-exec-11,5,main]
2025-06-17T22:53:31.403-05:00 INFO 28072 --- [virtualthreads-demo] [io-8080-exec-12] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#53,http-nio-8080-exec-12,5,main]
2025-06-17T22:53:31.502-05:00 INFO 28072 --- [virtualthreads-demo] [io-8080-exec-13] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#54,http-nio-8080-exec-13,5,main]
2025-06-17T22:53:31.601-05:00 INFO 28072 --- [virtualthreads-demo] [io-8080-exec-14] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#55,http-nio-8080-exec-14,5,main]
2025-06-17T22:53:31.703-05:00 INFO 28072 --- [virtualthreads-demo] [io-8080-exec-15] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#56,http-nio-8080-exec-15,5,main]
2025-06-17T22:53:31.806-05:00 INFO 28072 --- [virtualthreads-demo] [io-8080-exec-16] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#57,http-nio-8080-exec-16,5,main]
2025-06-17T22:53:31.903-05:00 INFO 28072 --- [virtualthreads-demo] [io-8080-exec-17] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#58,http-nio-8080-exec-17,5,main]
2025-06-17T22:53:32.003-05:00 INFO 28072 --- [virtualthreads-demo] [io-8080-exec-18] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#59,http-nio-8080-exec-18,5,main]
2025-06-17T22:53:32.104-05:00 INFO 28072 --- [virtualthreads-demo] [io-8080-exec-19] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#60,http-nio-8080-exec-19,5,main]
2025-06-17T22:53:32.203-05:00 INFO 28072 --- [virtualthreads-demo] [io-8080-exec-20] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#61,http-nio-8080-exec-20,5,main]
2025-06-17T22:53:32.308-05:00 INFO 28072 --- [virtualthreads-demo] [io-8080-exec-21] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#62,http-nio-8080-exec-21,5,main]
2025-06-17T22:53:32.402-05:00 INFO 28072 --- [virtualthreads-demo] [io-8080-exec-22] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#63,http-nio-8080-exec-22,5,main]
2025-06-17T22:53:32.503-05:00 INFO 28072 --- [virtualthreads-demo] [io-8080-exec-23] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#64,http-nio-8080-exec-23,5,main]
2025-06-17T22:53:32.604-05:00 INFO 28072 --- [virtualthreads-demo] [nio-8080-exec-2] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#40,http-nio-8080-exec-2,5,main]
2025-06-17T22:53:32.703-05:00 INFO 28072 --- [virtualthreads-demo] [nio-8080-exec-3] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#41,http-nio-8080-exec-3,5,main]
2025-06-17T22:53:32.806-05:00 INFO 28072 --- [virtualthreads-demo] [nio-8080-exec-1] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#39,http-nio-8080-exec-1,5,main]
2025-06-17T22:53:32.904-05:00 INFO 28072 --- [virtualthreads-demo] [nio-8080-exec-4] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#42,http-nio-8080-exec-4,5,main]
2025-06-17T22:53:33.004-05:00 INFO 28072 --- [virtualthreads-demo] [nio-8080-exec-8] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#46,http-nio-8080-exec-8,5,main]
2025-06-17T22:53:33.103-05:00 INFO 28072 --- [virtualthreads-demo] [nio-8080-exec-9] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#47,http-nio-8080-exec-9,5,main]
2025-06-17T22:53:33.202-05:00 INFO 28072 --- [virtualthreads-demo] [nio-8080-exec-7] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#45,http-nio-8080-exec-7,5,main]
2025-06-17T22:53:33.303-05:00 INFO 28072 --- [virtualthreads-demo] [nio-8080-exec-5] c.e.v.controller.DemoController : Ejecutando en hilo: Thread[#43,http-nio-8080-exec-5,5,main]
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Apago / Limpio

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2025-06-17T22:56:49.211-05:00 INFO 28072 --- [virtualthreads-demo] [tomcat-shutdown] o.s.b.w.e.tomcat.GracefulShutdown : Graceful shutdown complete
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 10:38 min
[INFO] Finished at: 2025-06-17T22:56:49-05:00
[INFO] -----
¿Desea terminar el trabajo por lotes (S/N)? s
PS C:\Users\willy\Documents\Ciencia de Datos\code\labs\Code\labs\VThreads_Spring_Boot\virtualthreads-demo> server.tomcat.virtual-threads-enabled=false
```