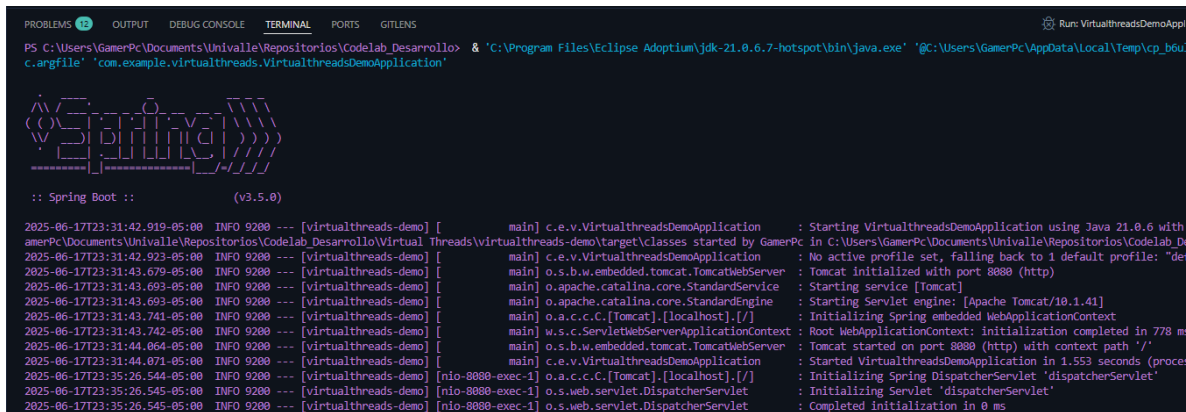


1. Ejecutamos el application de virtual threads.

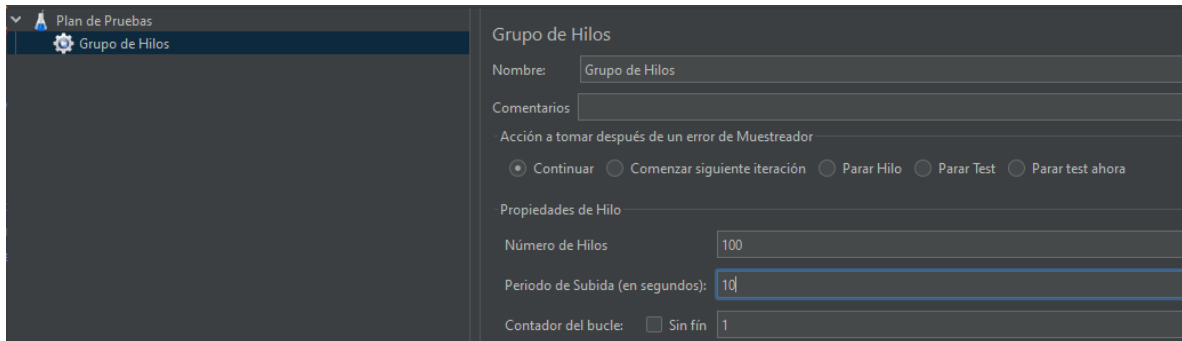


```
PS C:\Users\GamerPc\Documents\Univalle\Repositorios\CodeLab_Desarrollo> & 'C:\Program Files\Eclipse Adoptium\jdk-21.0.6-hotspot\bin\java.exe' -gc:\Users\GamerPc\AppData\Local\Temp\cp_bou
c.argfile' 'com.example.virtualthreads.VirtualthreadsDemoApplication'

:: Spring Boot ::                (v3.5.0)

2025-06-17T23:31:42.919-05:00 INFO 9200 --- [virtualthreads-demo] [main] c.e.v.VirtualthreadsDemoApplication : Starting VirtualthreadsDemoApplication using Java 21.0.6 with
amerPc\Documents\Univalle\Repositorios\CodeLab_Desarrollo\Virtual Threads\virtualthreads-demo\target\classes started by GamerPc in C:\Users\GamerPc\Documents\Univalle\Repositorios\CodeLab_D
2025-06-17T23:31:42.923-05:00 INFO 9200 --- [virtualthreads-demo] [main] c.e.v.VirtualthreadsDemoApplication : No active profile set, falling back to 1 default profile: "de
2025-06-17T23:31:43.679-05:00 INFO 9200 --- [virtualthreads-demo] [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 8080 (http)
2025-06-17T23:31:43.693-05:00 INFO 9200 --- [virtualthreads-demo] [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2025-06-17T23:31:43.693-05:00 INFO 9200 --- [virtualthreads-demo] [main] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.41]
2025-06-17T23:31:43.741-05:00 INFO 9200 --- [virtualthreads-demo] [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2025-06-17T23:31:43.742-05:00 INFO 9200 --- [virtualthreads-demo] [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 778 ms
2025-06-17T23:31:44.064-05:00 INFO 9200 --- [virtualthreads-demo] [main] o.s.c.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port 8080 (http) with context path '/'
2025-06-17T23:31:44.071-05:00 INFO 9200 --- [virtualthreads-demo] [main] c.e.v.VirtualthreadsDemoApplication : Started VirtualthreadsDemoApplication in 1.553 seconds (process
2025-06-17T23:35:26.544-05:00 INFO 9200 --- [virtualthreads-demo] [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
2025-06-17T23:35:26.545-05:00 INFO 9200 --- [virtualthreads-demo] [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2025-06-17T23:35:26.545-05:00 INFO 9200 --- [virtualthreads-demo] [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 0 ms
```

2. Creamos el grupo de hilos.



Plan de Pruebas

Grupo de Hilos

Nombre: Grupo de Hilos

Comentarios

Acción a tomar después de un error de Muestreador

☒ Continuar ☐ Comenzar siguiente iteración ☐ Parar Hilo ☐ Parar Test ☐ Parar test ahora

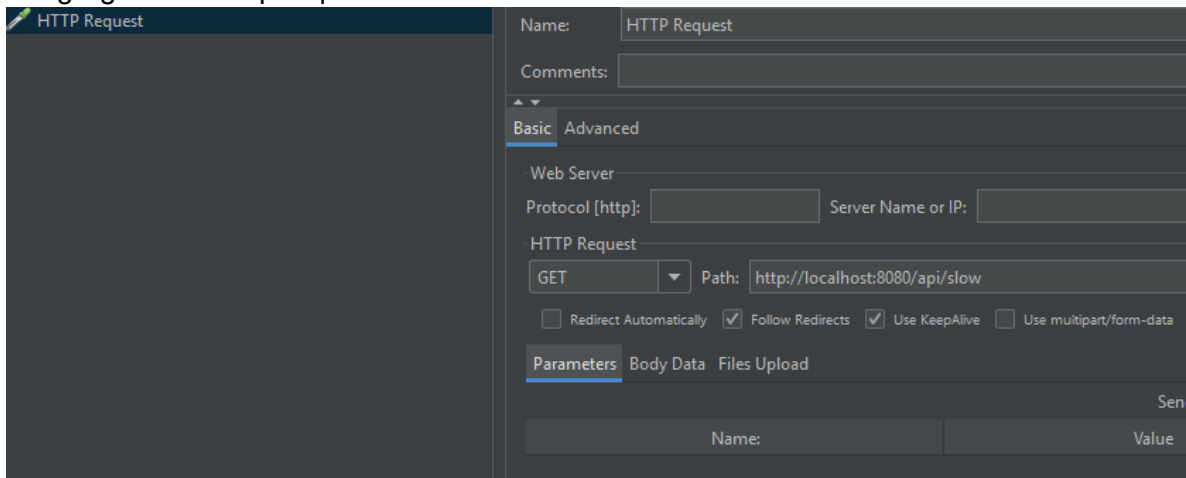
Propiedades de Hilo

Número de Hilos: 100

Periodo de Subida (en segundos): 10

Contador del bucle: ☐ Sin fin 1

3. Agregamos el http request.



HTTP Request

Name: HTTP Request

Comments:

Basic Advanced

Web Server

Protocol [http]: Server Name or IP:

HTTP Request

GET Path: http://localhost:8080/api/slow

☐ Redirect Automatically ☒ Follow Redirects ☒ Use KeepAlive ☐ Use multipart/form-data

Parameters Body Data Files Upload

Name: Value

4. Agregamos el view results in table

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	23:35:26.471	Grupo de Hilos 1...	HTTP Request	2135		202	124	2131	25
2	23:35:26.503	Grupo de Hilos 1...	HTTP Request	2103		202	124	2099	1
3	23:35:26.601	Grupo de Hilos 1...	HTTP Request	2012		202	124	2012	1
4	23:35:26.701	Grupo de Hilos 1...	HTTP Request	2006		202	124	2005	1
5	23:35:26.800	Grupo de Hilos 1...	HTTP Request	2017		202	124	2017	1
6	23:35:26.900	Grupo de Hilos 1...	HTTP Request	2013		202	124	2012	0
7	23:35:27.000	Grupo de Hilos 1...	HTTP Request	2006		202	124	2006	0
8	23:35:27.100	Grupo de Hilos 1...	HTTP Request	2016		202	124	2016	1
9	23:35:27.201	Grupo de Hilos 1...	HTTP Request	2010		202	124	2010	0
10	23:35:27.300	Grupo de Hilos 1...	HTTP Request	2004		203	124	2004	0
11	23:35:27.400	Grupo de Hilos 1...	HTTP Request	2016		203	124	2016	0
12	23:35:27.499	Grupo de Hilos 1...	HTTP Request	2012		203	124	2012	0
13	23:35:27.599	Grupo de Hilos 1...	HTTP Request	2006		203	124	2006	0
14	23:35:27.700	Grupo de Hilos 1...	HTTP Request	2016		203	124	2016	1
15	23:35:27.800	Grupo de Hilos 1...	HTTP Request	2010		203	124	2010	1
16	23:35:27.899	Grupo de Hilos 1...	HTTP Request	2005		203	124	2005	0
17	23:35:27.999	Grupo de Hilos 1...	HTTP Request	2017		203	124	2017	1
18	23:35:28.099	Grupo de Hilos 1...	HTTP Request	2010		203	124	2010	1
19	23:35:28.199	Grupo de Hilos 1...	HTTP Request	2004		203	124	2004	0
20	23:35:28.299	Grupo de Hilos 1...	HTTP Request	2015		203	124	2015	0
21	23:35:28.400	Grupo de Hilos 1...	HTTP Request	2009		203	124	2009	1
22	23:35:28.501	Grupo de Hilos 1...	HTTP Request	2017		203	124	2017	1
23	23:35:28.600	Grupo de Hilos 1...	HTTP Request	2012		202	124	2012	1
24	23:35:28.699	Grupo de Hilos 1...	HTTP Request	2007		203	124	2007	1
25	23:35:28.800	Grupo de Hilos 1...	HTTP Request	2018		202	124	2018	1
26	23:35:28.900	Grupo de Hilos 1...	HTTP Request	2014		202	124	2014	0

5. Verificar que estás usando virtual threads.

ONSOLE	TERMINAL	PORTS	GITLENS	Run: VirtualthreadsDemoApplication						
INFO 9200	---	[virtualthreads-demo]	[nio-8080-exec-1]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#39,http-nio-8080-exec-1,5,main]			
INFO 9200	---	[virtualthreads-demo]	[nio-8080-exec-3]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#41,http-nio-8080-exec-3,5,main]			
INFO 9200	---	[virtualthreads-demo]	[nio-8080-exec-7]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#45,http-nio-8080-exec-7,5,main]			
INFO 9200	---	[virtualthreads-demo]	[nio-8080-exec-4]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#42,http-nio-8080-exec-4,5,main]			
INFO 9200	---	[virtualthreads-demo]	[nio-8080-exec-6]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#44,http-nio-8080-exec-6,5,main]			
INFO 9200	---	[virtualthreads-demo]	[nio-8080-exec-5]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#43,http-nio-8080-exec-5,5,main]			
INFO 9200	---	[virtualthreads-demo]	[nio-8080-exec-8]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#46,http-nio-8080-exec-8,5,main]			
INFO 9200	---	[virtualthreads-demo]	[nio-8080-exec-9]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#47,http-nio-8080-exec-9,5,main]			
INFO 9200	---	[virtualthreads-demo]	[io-8080-exec-10]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#48,http-nio-8080-exec-10,5,main]			
INFO 9200	---	[virtualthreads-demo]	[io-8080-exec-11]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#52,http-nio-8080-exec-11,5,main]			
INFO 9200	---	[virtualthreads-demo]	[io-8080-exec-12]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#53,http-nio-8080-exec-12,5,main]			
INFO 9200	---	[virtualthreads-demo]	[io-8080-exec-13]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#54,http-nio-8080-exec-13,5,main]			
INFO 9200	---	[virtualthreads-demo]	[io-8080-exec-14]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#55,http-nio-8080-exec-14,5,main]			
INFO 9200	---	[virtualthreads-demo]	[io-8080-exec-15]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#56,http-nio-8080-exec-15,5,main]			
INFO 9200	---	[virtualthreads-demo]	[io-8080-exec-16]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#57,http-nio-8080-exec-16,5,main]			
INFO 9200	---	[virtualthreads-demo]	[io-8080-exec-17]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#58,http-nio-8080-exec-17,5,main]			
INFO 9200	---	[virtualthreads-demo]	[io-8080-exec-18]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#59,http-nio-8080-exec-18,5,main]			
INFO 9200	---	[virtualthreads-demo]	[io-8080-exec-19]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#60,http-nio-8080-exec-19,5,main]			
INFO 9200	---	[virtualthreads-demo]	[io-8080-exec-20]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#61,http-nio-8080-exec-20,5,main]			
INFO 9200	---	[virtualthreads-demo]	[io-8080-exec-21]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#62,http-nio-8080-exec-21,5,main]			
INFO 9200	---	[virtualthreads-demo]	[io-8080-exec-22]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#63,http-nio-8080-exec-22,5,main]			
INFO 9200	---	[virtualthreads-demo]	[nio-8080-exec-1]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#39,http-nio-8080-exec-1,5,main]			
INFO 9200	---	[virtualthreads-demo]	[io-8080-exec-23]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#64,http-nio-8080-exec-23,5,main]			
INFO 9200	---	[virtualthreads-demo]	[nio-8080-exec-2]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#40,http-nio-8080-exec-2,5,main]			
INFO 9200	---	[virtualthreads-demo]	[nio-8080-exec-3]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#41,http-nio-8080-exec-3,5,main]			
INFO 9200	---	[virtualthreads-demo]	[nio-8080-exec-7]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#45,http-nio-8080-exec-7,5,main]			
INFO 9200	---	[virtualthreads-demo]	[nio-8080-exec-4]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#42,http-nio-8080-exec-4,5,main]			
INFO 9200	---	[virtualthreads-demo]	[nio-8080-exec-6]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#44,http-nio-8080-exec-6,5,main]			
INFO 9200	---	[virtualthreads-demo]	[nio-8080-exec-5]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#43,http-nio-8080-exec-5,5,main]			
INFO 9200	---	[virtualthreads-demo]	[nio-8080-exec-8]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#46,http-nio-8080-exec-8,5,main]			
INFO 9200	---	[virtualthreads-demo]	[nio-8080-exec-9]	c.example.virtualthreads.DemoController	:	Ejecutando en hilo:	Thread[#47,http-nio-8080-exec-9,5,main]			