

Informe Mantenimiento y Pruebas del Software: Laboratorio 6

Smoke test 🧨

Summary

This chapter provides a summary of the test run metrics. The tables contains the aggregated values of the metrics for the entire test run.

Trends							
metric	avg	max	med	min	p90	p95	p99
http_req_blocked	116µs	6ms	0ms	0ms	0ms	0ms	6ms
http_req_connecting	8µs	521µs	0ms	0ms	0ms	0ms	521µs
http_req_duration	1ms	5ms	1ms	556µs	2ms	2ms	5ms
http_req_receiving	315µs	1ms	0ms	0ms	937µs	1ms	1ms
http_req_sending	4µs	503µs	0ms	0ms	0ms	0ms	3µs
http_req_tls_handshaking	0ms	0ms	0ms	0ms	0ms	0ms	0ms
http_req_waiting	1ms	3ms	1ms	502µs	2ms	2ms	3ms
iteration_duration	1s	1s	1s	1s	1s	1s	1s

Counters			Rates		Gauges	
metric	count	rate	metric	rate	metric	value
data_received	85.2 kB	1.42 kB/s	checks	1/s	vus	5
data_sent	23.4 kB	389 B/s	http_req_failed	0/s	vus_max	5
http_reqs	300	4.99/s				
iterations	300	4.99/s				

No hay ninguna http_req_failed y la media de http_req_duration es de 1ms.

Breakpoint test 💔

Summary

This chapter provides a summary of the test run metrics. The tables contains the aggregated values of the metrics for the entire test run.

Trends							
metric	avg	max	med	min	p90	p95	p99
http_req_blocked	17µs	73ms	0ms	0ms	0ms	0ms	505µs
http_req_connecting	12µs	61ms	0ms	0ms	0ms	0ms	0ms
http_req_duration	2ms	6s	0ms	0ms	6ms	11ms	41ms
http_req_receiving	147µs	130ms	0ms	0ms	0ms	581µs	3ms
http_req_sending	13µs	64ms	0ms	0ms	0ms	0ms	493µs
http_req_tls_handshaking	0ms	0ms	0ms	0ms	0ms	0ms	0ms
http_req_waiting	2ms	6s	0ms	0ms	5ms	11ms	40ms
iteration_duration	26ms	8s	505µs	0ms	8ms	15ms	98ms

Counters			Rates		Gauges	
metric	count	rate	metric	rate	metric	value
data_received	1.23 GB	5 MB/s	http_req_failed	0.01/s	vus	7.5k
data_sent	339 MB	1.37 MB/s			vus_max	7.5k
dropped_iterations	596.6k	2.42k/s				
http_reqs	4.4m	17.76k/s				
iterations	4.4m	17.74k/s				

Con executors: falla al alcanzar 1% de peticiones fallidas, con ~7500 VUs.

Summary

This chapter provides a summary of the test run metrics. The tables contains the aggregated values of the metrics for the entire test run.

Trends							
metric	avg	max	med	min	p90	p95	p99
http_req_blocked	1ms	3s	0ms	0ms	0ms	0ms	20ms
http_req_connecting	1ms	3s	0ms	0ms	0ms	0ms	9ms
http_req_duration	256ms	7s	73ms	0ms	762ms	942ms	1s
http_req_receiving	1ms	3s	0ms	0ms	0ms	1ms	7ms
http_req_sending	1ms	3s	0ms	0ms	0ms	612µs	5ms
http_req_tls_handshaking	0ms	0ms	0ms	0ms	0ms	0ms	0ms
http_req_waiting	253ms	7s	72ms	0ms	758ms	913ms	1s
iteration_duration	457ms	10s	126ms	505µs	1s	1s	2s

Counters			Rates		Gauges	
metric	count	rate	metric	rate	metric	value
data_received	189 MB	2.41 MB/s	http_req_failed	0.01/s	vus	11.1k
data_sent	52 MB	662 kB/s			vus_max	100k
http_reqs	667k	8.49k/s				
iterations	664.3k	8.46k/s				

Sin executors: también falla al alcanzar 1% de peticiones fallidas, esta vez con ~11100 VUs.

La principal diferencia entre los dos test es que todas las métricas de tiempo aumentan considerablemente al no usar executors, también aumenta el número de VUs ya que se alcanza el 1% de peticiones fallidas más tarde.

Stress test 🤔

Summary

This chapter provides a summary of the test run metrics. The tables contains the aggregated values of the metrics for the entire test run.

Trends							
metric	avg	max	med	min	p90	p95	p99
http_req_blocked	633µs	1s	0ms	0ms	0ms	0ms	1ms
http_req_connecting	620µs	782ms	0ms	0ms	0ms	0ms	0ms
http_req_duration	84ms	16s	48ms	0ms	218ms	272ms	407ms
http_req_receiving	257µs	1s	0ms	0ms	0ms	783µs	2ms
http_req_sending	112µs	1s	0ms	0ms	0ms	0ms	1ms
http_req_tls_handshaking	0ms	0ms	0ms	0ms	0ms	0ms	0ms
http_req_waiting	84ms	16s	48ms	0ms	218ms	272ms	402ms
iteration_duration	181ms	47s	75ms	0ms	236ms	293ms	675ms

Counters			Rates		Gauges	
metric	count	rate	metric	rate	metric	value
data_received	3.96 GB	8.23 MB/s	http_req_failed	0.01/s	vus	34
data_sent	1.09 GB	2.26 MB/s			vus_max	9.2k
http_reqs	14.1m	29.21k/s				
iterations	14.1m	29.21k/s				

El test de estrés se pasa ya que no se sobrepasa el umbral del 1% de peticiones fallidas y la http_req_duration es de 84ms.

Average load test 🏋️

Summary

This chapter provides a summary of the test run metrics. The tables contains the aggregated values of the metrics for the entire test run.

Trends							
metric	avg	max	med	min	p90	p95	p99
http_req_blocked	477µs	1s	0ms	0ms	0ms	0ms	1ms
http_req_connecting	466µs	508ms	0ms	0ms	0ms	0ms	506µs
http_req_duration	51ms	1s	36ms	0ms	113ms	135ms	256ms
http_req_receiving	290µs	606ms	0ms	0ms	0ms	718µs	3ms
http_req_sending	122µs	1s	0ms	0ms	0ms	0ms	1ms
http_req_tls_handshaking	0ms	0ms	0ms	0ms	0ms	0ms	0ms
http_req_waiting	50ms	1s	36ms	0ms	112ms	135ms	251ms
iteration_duration	72ms	3s	64ms	0ms	130ms	150ms	270ms

Counters			Rates		Gauges	
metric	count	rate	metric	rate	metric	value
data_received	4.69 GB	9.65 MB/s	http_req_failed	0/s	vus_max	13
data_sent	1.29 GB	2.65 MB/s			vus_max	5.7k
http_reqs	16.5m	33.95k/s				
iterations	16.5m	33.95k/s				

El test de carga promedio se pasa ya que no se sobrepasa el umbral del 1% de peticiones fallidas.

Spike test 🏔️

Summary

This chapter provides a summary of the test run metrics. The tables contains the aggregated values of the metrics for the entire test run.

Trends							
metric	avg	max	med	min	p90	p95	p99
http_req_blocked	303µs	377ms	0ms	0ms	0ms	0ms	1ms
http_req_connecting	291µs	320ms	0ms	0ms	0ms	0ms	1ms
http_req_duration	31ms	735ms	21ms	0ms	69ms	90ms	168ms
http_req_receiving	250µs	334ms	0ms	0ms	0ms	997µs	4ms
http_req_sending	106µs	714ms	0ms	0ms	0ms	0ms	1ms
http_req_tls_handshaking	0ms	0ms	0ms	0ms	0ms	0ms	0ms
http_req_waiting	30ms	725ms	21ms	0ms	68ms	89ms	164ms
iteration_duration	43ms	744ms	36ms	0ms	84ms	101ms	181ms

Counters			Rates		Gauges	
metric	count	rate	metric	rate	metric	value
data_received	1.17 GB	9.65 MB/s	http_req_failed	0/s	vus_max	17
data_sent	320 MB	2.65 MB/s			vus_max	4.6k
http_reqs	4.1m	33.95k/s				
iterations	4.1m	33.95k/s				

El sistema es capaz de pasar el test de pico se pasa ya que no se sobrepasa el umbral del 1% de peticiones fallidas.