Result

[HTTP TEST]

Openfaas

```
20 threads and 500 connections
Thread Stats Any Stdw Nax 4/- Stdw
Latency 37.3-D83 94.01ms 544.00s 77.00%
Reg/Sec 49.35 39.79 24.2.00 70.90%
S5300 requests in 1.00e, 34.7980 read
Non-Zax or 3x responses: 53300
Reguests/sec: 920.19
Transfer/sec: 920.6580
Transfer/sec: 920.6880
Transfer/sec: 920.688
```

Azure Functions

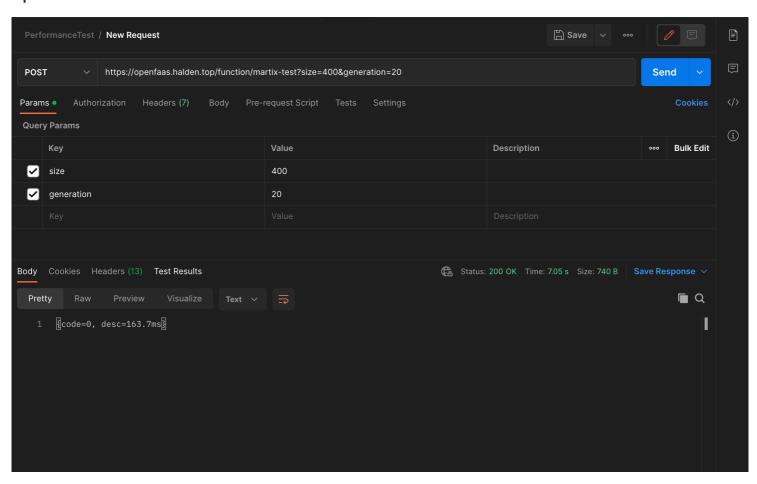
```
root@yfliu:/home/jasondennis12138/wrk# ./wrk -c 580 -t 20 -d 60 -s test.lua https://performance-test-01.azurewebsites.net/api/HttpTrigger-http-test
Planning Im test @ https://performance-test-01.azurewebsites.net/api/HttpTrigger-http-test
20 threads and 580 connections
Thread Stats Avg Stdev Max +/- Stdev
Latency 240.34ms 242.89ms 1.99s 88.75%
Rec/Sec 129.88 41.56 450.00 69.30%
151961 requests in 1.80m, 15.53MB read
Socket errors: connect 9, read 0, write 0, timeout 59
Non-2xx or 3xx responses: 151961
Requests/sec: 2528.64
Transfer/sec: 264.54MB
Sot@yflu:/home/jasondennis12138/wrk# ./wrk -c 580 -t 20 -d 60 -s test.lua https://performance-test-01.azurewebsites.net/api/HttpTrigger-http-test
Unning Im test 0 https://performance-test-01.azurewebsites.net/api/HttpTrigger-http-test
Thread Stats Avg Stdev Max +/- Stdev
Latency 185.63ms 199.68ms 1.53s 86.76%
Rec/Sec 179.86 55.13 540.00 69.77%
212159 requests in 1.80m, 20.04MB read
Non-2xx or 3xx responses: 212159
Requests/sec: 333.9.69
Plansfer/sec: 341.45MB
Soctoyfliu:/home/jasondennis12138/wrk# ./wrk -c 500 -t 20 -d 60 -s test.lua https://performance-test-01.azurewebsites.net/api/HttpTrigger-http-test
Unning Im test 0 https://performance-test-01.azurewebsites.net/api/HttpTrigger-ht
      equests/sec: 3762.45
ransfer/sec: 363.75KB
oot@yfluir/home/jasondennis12138/wrk# ./wrk -c 500 -t 20 -d 60 -s test.lua https://performance-test-01.azurewebsites.net/api/HttpTrigger-http-test
unning lm test @ https://performance-test-01.azurewebsites.net/api/HttpTrigger-http-test
20 threads and 500 connections
Thread Stats Avg Stdev Max +/- Stdev
Latency 195.35ms 240.33ms 2.00s 84.45%
Req/Sec 206.95 81.84 565.00 67.15%
243545 requests in 1.00m, 22.99MB read
Socket errors: connect 0, read 0, write 0, timeout 221
Non-2xx or 3xx responses: 243545
equests/sec: 4952.21
ransfer/sec: 391.78KB
oot@yfluir/Nome/jasondennis12138/wrk# ./wrk -c 500 -t 20 -d 60 -s test.lua https://performance-test-01.azurewebsites.net/api/HttpTrigger-http-test
Liming lm test @ https://performance-test-01.azurewebsites.net/api/HttpTrigger-http-test
20 threads and 500 connections
Thread Stats Avg Stdev Max +/- Stdev
Latency 150.62ms 165.25ms 1.56s 87.10%
Req/Sec 219.91 5.6.73 700.00 68.01%
258701 requests in 1.00m, 24.42MB read
Non-2xx or 3xx responses: 258701
RQUESTS/Sec: 430.4.62
ransfer/sec: 316.72m
```

Results

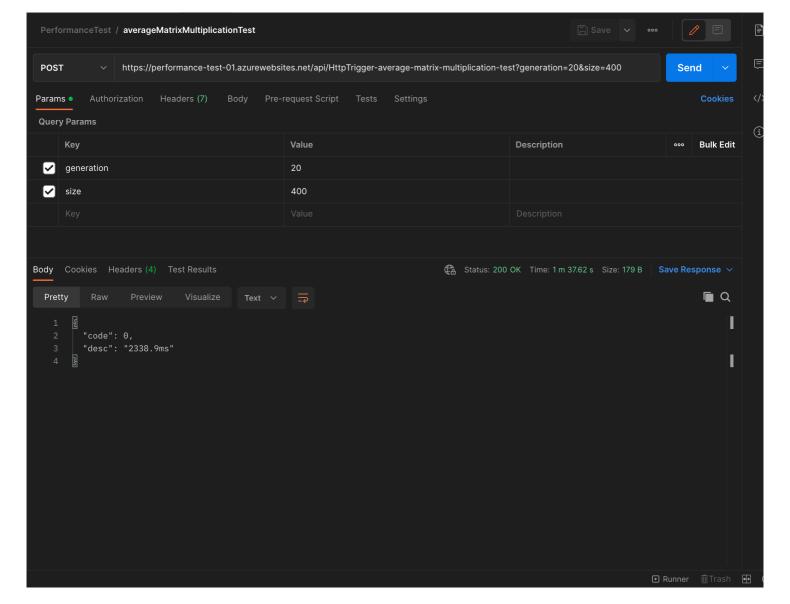
	1st	2ed	3th	4th	5th	Average
Azure Functions Throughput (RPS)	2528.64	3530.50	3762.45	4052.31	4304.62	3635.704
OpenFaas Throughput (RPS)	1056.01	973.89	1062.68	1013.94	997.99	1020.902

Matrix multiplication

OpenFaas



Azure Function

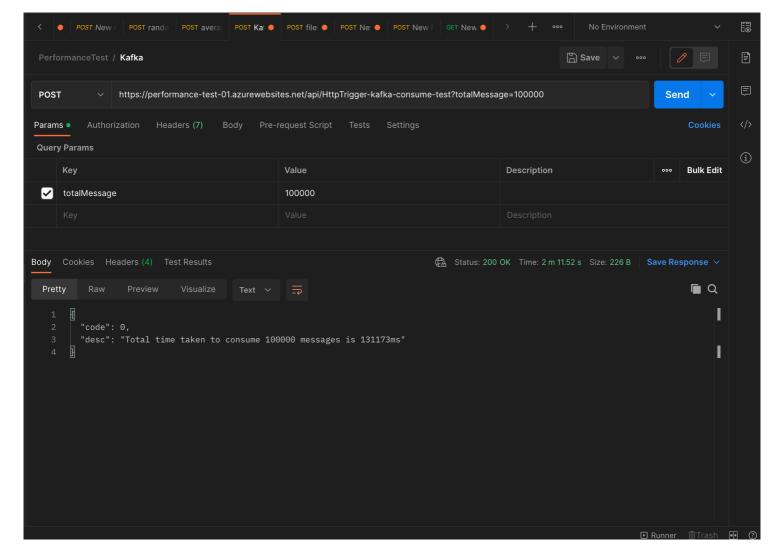


Result

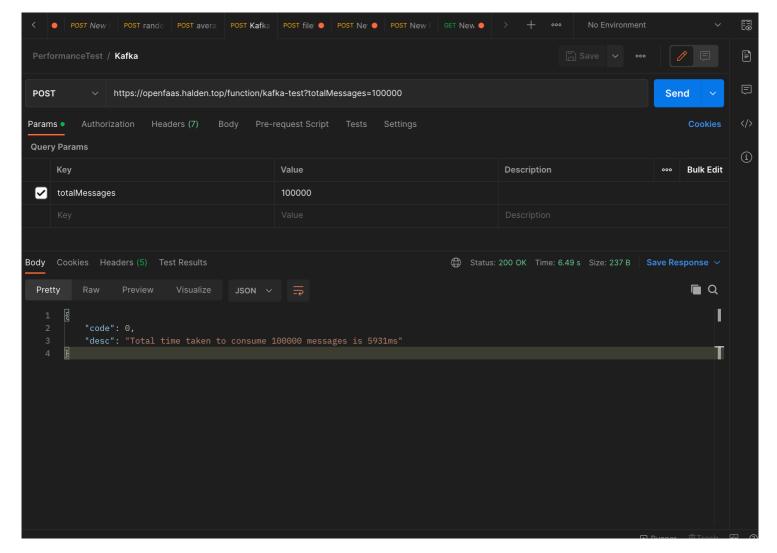
	Size	Generation	Time Used(ms)
OpenFaas	400	20	163.7
Azure Function	400	20	2338.9

Kafka consume Test

Azure Function



OpenFaas



Result

	Message Consumed	Time Used(ms)	
OpenFaas	100000	5931	
Azure Function	100000	131173	