

用jmeter做压力测试

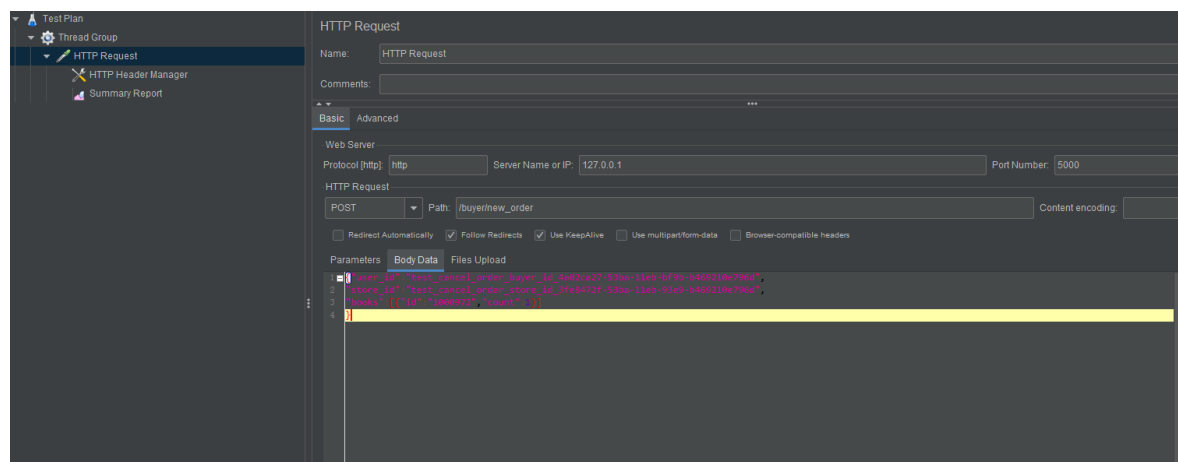
为了测试初始化, 准备数据库部分内容, 比如足够多的书本库存

(运行test_add_stock_level得到)

<div><div>Functions</div><div>Materialized Views</div><div>Procedures</div><div>1.3 Sequences</div><div>Tables (8)<div><div>book</div><div>book_onsale</div><div>new_order</div><div>new_order_detail</div><div>store</div><div>tags</div><div>user<div><div>Columns</div><div>Constraints</div><div>Indexes</div><div>RLS Policies</div></div></div></div></div></div>	Data Output	Explain	Messages	Notifications
	store_id [PK] text	book_id [PK] text	book_info text	stock_level integer
1	test_add_bo...	1000067	{"tags": ["\u4f2...	10
2	test_add_bo...	1000134	{"tags": ["\u6f2...	10
3	test_add_bo...	1000135	{"tags": ["\u51...	10
4	test_add_bo...	1000167	{"tags": ["\u5d...	10
5	test_add_bo...	1000280	{"tags": ["\u53...	10
6	test_add_bo...	1000067	{"tags": ["\u4f2...	999418
7	test_add_bo...	1000134	{"tags": ["\u6f2...	1000000
8	test_add_bo...	1000135	{"tags": ["\u51...	1000000
9	test_add_bo...	1000167	{"tags": ["\u5d...	1000000
10	test_add_bo...	1000280	{"tags": ["\u53...	1000000

测试new_order

参数设置



发送的json格式数据为:

```
{
  "user_id": "test_add_funds_115e28ae-53e7-11eb-9404-b469210e796d",
  "store_id": "test_add_book_stock_level1_store_31546940-53ff-11eb-b5c6-b469210e796d",
  "books": [{"id": "1000067", "count": 1}]
}
```

num=50,loop=1时, error数为0, 完全没问题

Summary Report										
Name: Summary Report										
Comments:										
Write results to file / Read from file										
Filename							Browse...	Log/Display Only:	<input type="checkbox"/> Errors	<input type="checkbox"/> Successes
Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/s...	Sent KB/sec	Avg. Bytes
HTTP Request	50	1429	257	2413	637.09	0.00%	14.7/sec	4.92	5.54	342.0
TOTAL	50	1429	257	2413	637.09	0.00%	14.7/sec	4.92	5.54	342.0

num=1000,ramp-up period=1,loop=5时, error率高达87%。但一般情况下用户不会大量地集中访问, 可以适量放宽时间的要求

Summary Report										
Name: Summary Report										
Comments:										
Write results to file / Read from file										
Filename							Browse...	Log/Display Only:	<input type="checkbox"/> Errors	<input type="checkbox"/> Successes
Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/s...	Sent KB/sec	Avg. Bytes
HTTP Request	5000	8777	1000	40794	12540.70	87.56%	37.7/sec	55.39	7.41	1506.2
TOTAL	5000	8777	1000	40794	12540.70	87.56%	37.7/sec	55.39	7.41	1506.2

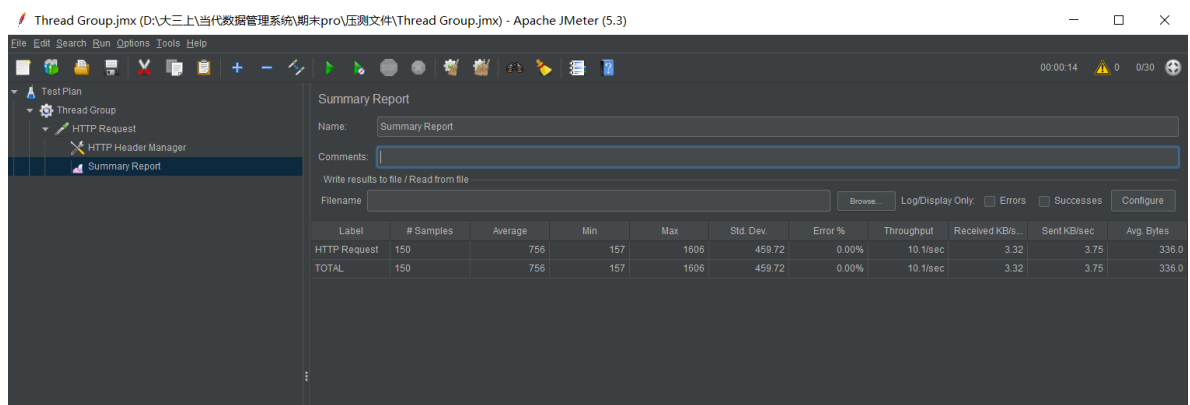
num=400,loop=5时

Summary Report										
Name: Summary Report										
Comments:										
Write results to file / Read from file										
Filename							Browse...	Log/Display Only:	<input type="checkbox"/> Errors	<input type="checkbox"/> Successes
Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/s...	Sent KB/sec	Avg. Bytes
HTTP Request	2000	21304	554	37570	12384.91	63.60%	14.4/sec	5.01	5.32	356.7
TOTAL	2000	21304	554	37570	12384.91	63.60%	14.4/sec	5.01	5.32	356.7

num=50,loop=5

Summary Report										
Name: Summary Report										
Comments:										
Write results to file / Read from file										
Filename							Browse...	Log/Display Only:	<input type="checkbox"/> Errors	<input type="checkbox"/> Successes
Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/s...	Sent KB/sec	Avg. Bytes
HTTP Request	250	2355	194	4002	1198.18	23.20%	10.5/sec	3.28	3.88	319.8
TOTAL	250	2355	194	4002	1198.18	23.20%	10.5/sec	3.28	3.88	319.8

num=30,loop=5



我们认为error%应当接近0，因此new_order接口的并发数在150左右

同理对可以对其他接口做压力测试