

# Squid 缓存业务场景测试与分析

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Note: 一家之言，不负责任。欢迎邮件与我深入探讨。

## ➤ 场景一：



**siege -c 100 -t 300s -f url\_all -i -b**

Transactions: 3189 hits  
Availability: 100.00 %  
Elapsed time: 299.98 secs  
Data transferred: 5568.06 MB  
Response time: 9.29 secs  
Transaction rate: 10.63 trans/sec  
Throughput: 18.56 MB/sec  
Concurrency: 98.71  
Successful transactions: 3113  
Failed transactions: 0  
Longest transaction: 18.93  
Shortest transaction: 0.04

硬盘数据：

Device:	rrqm/s	wrqm/s	r/s	w/s	rkB/s	wkB/s	avgrq-sz	avgqu-sz	await	svctm	%util
sdb	5.10	0.00	169.70	0.00	19634.00	0.00	231.40	77.93	457.61	5.89	100.01
Device:	rrqm/s	wrqm/s	r/s	w/s	rkB/s	wkB/s	avgrq-sz	avgqu-sz	await	svctm	%util
sdb	3.50	0.00	168.50	0.00	19395.20	0.00	230.21	81.75	481.15	5.93	100.00
Device:	rrqm/s	wrqm/s	r/s	w/s	rkB/s	wkB/s	avgrq-sz	avgqu-sz	await	svctm	%util
sdb	4.00	0.00	175.90	0.00	20152.80	0.00	229.14	77.49	441.84	5.69	100.02

网卡数据：

```
Device eth0 [115.238.166.154] (1/1):
```

Incoming:

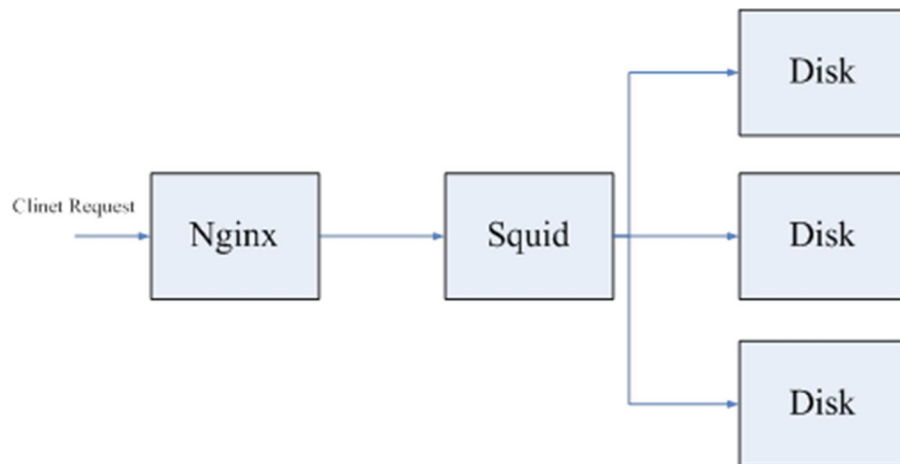
[illegible]

Outgoing:

[illegible]

```
top - 18:57:54 up 10 days, 2:46, 5 users, load average: 18.69, 29.35, 31.25
Tasks: 464 total, 7 running, 457 sleeping, 0 stopped, 0 zombie
Cpu(s): 16.1%us, 0.8%sy, 0.0%ni, 59.4%id, 23.2%wa, 0.1%hi, 0.5%si, 0.0%st
Mem: 16426620k total, 16373640k used, 52980k free, 269832k buffers
Swap: 4192956k total, 328k used, 4192628k free, 15280100k cached
```

► 场景二：



**siege -c 100 -t 300s -f url\_all -i -b**

Transactions: 14611 hits  
 Availability: 100.00 %  
 Elapsed time: 299.88 secs  
 Data transferred: 25493.66 MB  
 Response time: 2.04 secs  
 Transaction rate: 48.72 trans/sec  
 Throughput: 85.01 MB/sec  
 Concurrency: 99.59  
 Successful transactions: 14269  
 Failed transactions: 0  
 Longest transaction: 10.46  
 Shortest transaction: 0.03

硬盘数据:

Device:	rrqm/s	wrqm/s	r/s	w/s	rkB/s	wkB/s	avgrq-sz	avgqu-sz	await	svctm	%util
sdc	3.10	0.00	254.00	0.00	28089.20	0.00	221.17	46.88	185.83	3.94	100.02
sdd	2.60	0.00	305.30	0.00	33187.60	0.00	217.41	10.71	34.95	2.80	85.57
sde	5.30	1.00	313.00	0.20	34567.60	4.80	220.77	18.05	57.61	3.01	94.33

Device:	rrqm/s	wrqm/s	r/s	w/s	rkB/s	wkB/s	avgrq-sz	avgqu-sz	await	svctm	%util
sdc	1.90	0.00	262.20	0.00	29306.40	0.00	223.54	21.02	79.60	3.81	99.80
sdd	3.20	0.00	333.60	0.00	36224.40	0.00	217.17	35.97	107.82	2.96	98.60
sde	6.80	291.40	308.80	3.80	34449.20	1180.80	227.96	18.76	59.71	3.06	95.60

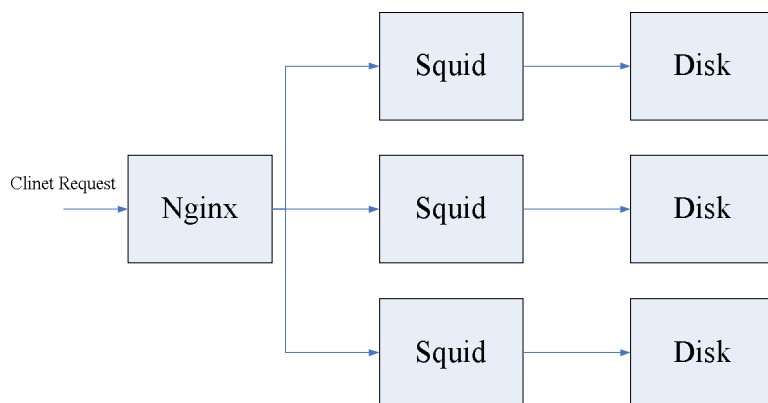
  

Device:	rrqm/s	wrqm/s	r/s	w/s	rkB/s	wkB/s	avgrq-sz	avgqu-sz	await	svctm	%util
sdc	2.70	0.00	257.70	0.00	28648.40	0.00	222.34	47.44	183.87	3.87	99.62
sdd	2.60	101.50	287.50	0.90	31914.80	409.60	224.16	6.51	22.70	3.01	86.84
sde	1.90	0.00	334.20	0.00	36295.20	0.00	217.21	24.72	74.33	2.95	98.61

网卡数据:







siege -c 100 -t 300s -f url\_all -i -b

Transactions: 13980 hits  
 Availability: 100.00 %  
 Elapsed time: 299.24 secs  
 Data transferred: 24621.72 MB  
 Response time: 2.13 secs  
 Transaction rate: 46.72 trans/sec  
 Throughput: 80.28 MB/sec  
 Concurrency: 99.54  
 Successful transactions: 13895  
 Failed transactions: 0  
 Longest transaction: 18.87  
 Shortest transaction: 0.04

硬盘数据:

Device:	rrqm/s	wrqm/s	r/s	w/s	rkB/s	wkB/s	avgrq-sz	avgqu-sz	await	svctm	%util
sdh	53.60	0.00	294.70	0.00	29360.80	0.00	267.12	19.46	66.39	3.39	100.00
sdj	41.40	0.00	176.30	0.00	27397.20	0.00	208.70	50.77	85.45	5.67	100.00
sd1	68.80	0.00	240.50	0.00	30925.60	0.00	282.13	10.99	45.96	4.14	99.51

Device:	rrqm/s	wrqm/s	r/s	w/s	rkB/s	wkB/s	avgrq-sz	avgqu-sz	await	svctm	%util
sdh	86.50	0.00	262.10	0.00	30469.60	0.00	301.18	9.22	35.31	3.58	93.73
sdj	51.00	0.00	179.70	0.00	27072.00	0.00	211.15	65.11	61.57	5.57	100.01
sd1	78.50	0.00	229.50	0.00	30323.20	0.00	299.11	4.47	19.33	3.84	88.18

Device:	rrqm/s	wrqm/s	r/s	w/s	rkB/s	wkB/s	avgrq-sz	avgqu-sz	await	svctm	%util
sdh	81.70	0.00	282.80	0.00	31324.80	0.00	292.25	8.75	30.91	3.47	98.09
sdj	56.40	0.00	179.00	0.00	29059.20	0.00	212.95	58.13	25.80	5.59	100.02
sd1	73.00	0.00	255.60	0.00	27649.20	0.00	271.12	12.83	50.23	3.91	99.88

网卡数据:

```

top - 18:39:36 up 10 days, 2:28, 5 users, load average: 42.21, 36.47, 33.33
Tasks: 470 total, 10 running, 460 sleeping, 0 stopped, 0 zombie
Cpu(s): 36.6%us, 5.3%sy, 0.0%ni, 13.5%id, 43.3%wa, 0.1%hi, 1.3%si, 0.0%st
Mem: 16426620k total, 16359524k used, 67096k free, 233808k buffers
Swap: 4192956k total, 396k used, 4192560k free, 15281136k cached
  
```

