

SA-2020 Homework4 Report

Pi 的迭代次数为 1,000,000

web 实例个数	有无 redis 缓存	模拟用户数	Pi 迭代次数	耗时 (ms)				
				min	max	mean	OK	KO
1	无	30	1,000,000	1318	7207	4239	60	0
2	无	30	1,000,000	66	2773	1034	46	14
3	无	30	1,000,000	19	1158	387	38	22
4	无	30	1,000,000	6	981	352	36	24
1	有	30	1,000,000	1342	3662	2161	60	0
2	有	30	1,000,000	53	2361	908	30	30
3	有	30	1,000,000	17	325	156	30	30
4	有	30	1,000,000	20	288	127	30	30

部分运行状态图片：

实例个数为 4，无 redis 缓存

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
2787cd849de7	app-pi	"java -cp /app/resou..."	1 second ago	Up Less than a second	0.0.0.0:8084->8080/tcp	app-pi-4
77ae8e38fd89	app-pi	"java -cp /app/resou..."	48 seconds ago	Up 47 seconds	0.0.0.0:8083->8080/tcp	app-pi-3
c87315517d74	app-pi	"java -cp /app/resou..."	2 minutes ago	Up 2 minutes	0.0.0.0:8082->8080/tcp	app-pi-2
3286e201ea5b	app-pi	"java -cp /app/resou..."	16 minutes ago	Up 10 minutes	0.0.0.0:8081->8080/tcp	app-pi-1

```
----- Global Information -----
> request count                60 (OK=36    KO=24    )
> min response time            6 (OK=80    KO=6    )
> max response time            981 (OK=981   KO=820   )
> mean response time           352 (OK=429   KO=236   )
> std deviation                 324 (OK=321   KO=293   )
> response time 50th percentile 212 (OK=320   KO=84    )
> response time 75th percentile 572 (OK=641   KO=334   )
> response time 95th percentile 970 (OK=976   KO=801   )
> response time 99th percentile 979 (OK=980   KO=816   )
> mean requests/sec            30 (OK=18    KO=12    )
----- Response Time Distribution -----
> t < 800 ms                    27 ( 45%)
> 800 ms < t < 1200 ms         9 ( 15%)
> t > 1200 ms                    0 (  0%)
> failed                         24 ( 40%)
```