



# 시연

Participants	
Created By	김동현
Type	
Created	@2021년 12월 22일 오후 8:33
Last Edited Time	@2021년 12월 23일 오전 4:26

## 프론트 시연

1. 회원가입 / 로그인
2. 음식 추가/ 운동 추가

## 시나리오1 시연 (메모리)

### ▼ 사진

CONTAINER ID	NAME	CPU %	MEM USAGE / LIMIT	MEM %	NET I/O	BLOCK I/O	PIDS
c69a9935a45b	auth	2.22%	851.4MiB / 15.35GiB	5.42%	279kB / 1.19MB	0B / 0B	57
0c2333fbba35	exercise	0.30%	873.9MiB / 15.35GiB	5.56%	277kB / 1.17MB	0B / 0B	59
856bcd517259	gateway	4.19%	872.2MiB / 15.35GiB	5.55%	2.71MB / 5.4MB	0B / 0B	99
ce221b54203c	diet	1.09%	856.2MiB / 15.35GiB	5.45%	268kB / 166kB	0B / 0B	55
aaa8b3896db1	statistics	4.42%	610.9MiB / 15.35GiB	3.89%	82.1kB / 54.2kB	0B / 0B	53
18ca98fd12ec	registry	3.39%	749.4MiB / 15.35GiB	4.77%	314kB / 222kB	0B / 0B	76
fb0edbbbf337	config	0.39%	538.3MiB / 15.35GiB	3.43%	112kB / 105kB	0B / 0B	43
3e124256e720	mysql-db	0.16%	260.3MiB / 15.35GiB	1.66%	11.4MB / 675kB	0B / 0B	78
3a534c51d6a2	prometheus	0.14%	62.88MiB / 15.35GiB	0.40%	5MB / 255kB	0B / 0B	22
80bbff3d9f56	grafana	0.02%	39.78MiB / 15.35GiB	0.25%	33.7kB / 32kB	0B / 0B	19
e9030cc6e027	front	0.00%	17.18MiB / 15.35GiB	0.11%	55.6kB / 0B	0B / 0B	17

CONTAINER ID	NAME	CPU %	MEM USAGE / LIMIT	MEM %	NET I/O	BLOCK I/O	PIDS
c69a9935a45b	auth	0.21%	852.6MiB / 10GiB	8.33%	309kB / 1.43MB	0B / 0B	57
0c2333fbba35	exercise	0.27%	875MiB / 10GiB	8.55%	307kB / 1.4MB	0B / 0B	59
856bcd517259	gateway	0.99%	876.9MiB / 10GiB	8.56%	3.23MB / 6.48MB	0B / 0B	99
ce221b54203c	diet	3.67%	858.1MiB / 10GiB	8.38%	297kB / 191kB	0B / 0B	55
aaa8b3896db1	statistics	0.32%	615.5MiB / 10GiB	6.01%	110kB / 79.9kB	0B / 0B	54
18ca98fd12ec	registry	2.45%	758.4MiB / 10GiB	7.41%	364kB / 260kB	0B / 0B	76
fb0edbbbf337	config	0.26%	539MiB / 10GiB	5.26%	121kB / 122kB	0B / 0B	43
3e124256e720	mysql-db	0.15%	263.1MiB / 10GiB	2.57%	11.4MB / 690kB	0B / 0B	78
3a534c51d6a2	prometheus	0.00%	67.91MiB / 10GiB	0.66%	6.02MB / 306kB	0B / 0B	22
80bbff3d9f56	grafana	0.26%	41.27MiB / 10GiB	0.40%	69.1kB / 79kB	0B / 0B	19
e9030cc6e027	front	0.00%	17.18MiB / 10GiB	0.17%	55.6kB / 0B	0B / 0B	17

1. `docker stats` : 도커 자원 할당 확인

2. `py DynamicAllocation.py` : 동적 할당 모듈 실행
3. `docker update --memory "1gb" --memory-swap "1gb" exercise` : exercise 컨테이너 메모리 1gb로 낮추기

## 시나리오 2 시연 (결함포용)

### ▼ 사진

```
$ docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
c69a9935a45b	ce19f003/auth	"java -XX:+UnlockExp..."	18 minutes ago	Up 18 minutes (healthy)	0.0.0.0:8081->8080/tcp	auth
0c2333fbaa35	ce19f003/exercise	"java -XX:+UnlockExp..."	18 minutes ago	Up 18 minutes (healthy)	0.0.0.0:8083->8080/tcp	exercise
856bcd517259	ce19f003/gateway	"java -XX:+UnlockExp..."	18 minutes ago	Up 18 minutes (healthy)	0.0.0.0:8080->8080/tcp	gateway
ce221b54203c	ce19f003/diet	"java -XX:+UnlockExp..."	18 minutes ago	Up 18 minutes (healthy)	0.0.0.0:8082->8080/tcp	diet
aaa8b3896db1	ce19f003/statistics	"java -XX:+UnlockExp..."	18 minutes ago	Up 11 minutes (healthy)	0.0.0.0:8084->8080/tcp	statistics
18ca98fd12ec	ce19f003/registry	"java -XX:+UnlockExp..."	18 minutes ago	Up 18 minutes (healthy)	8080/tcp, 0.0.0.0:8761->8761/tcp	registry
fb0eddbbf337	ce19f003/config	"java -XX:+UnlockExp..."	18 minutes ago	Up 18 minutes (healthy)	8080/tcp, 0.0.0.0:8888->8888/tcp	config
3e124256e720	ce19f003/mysql:5.7	"docker-entrypoint.s..."	18 minutes ago	Up 18 minutes (healthy)	0.0.0.0:3306->3306/tcp, 33060/tcp	mysql-db

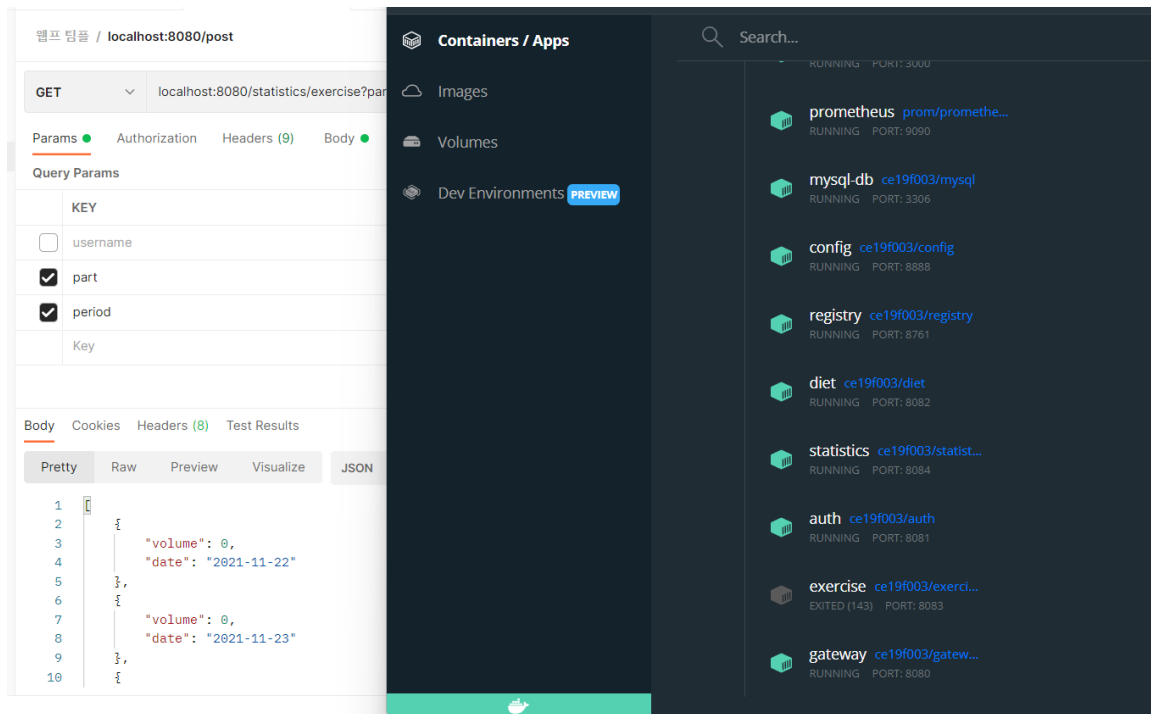
```
$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
c69a9935a45b	ce19f003/auth	"java -XX:+UnlockExp..."	22 minutes ago	Up 22 minutes (healthy)	0.0.0.0:8081->8080/tcp	auth
0c2333fbaa35	ce19f003/exercise	"java -XX:+UnlockExp..."	22 minutes ago	Up 22 minutes (healthy)	0.0.0.0:8083->8080/tcp	exercise
856bcd517259	ce19f003/gateway	"java -XX:+UnlockExp..."	22 minutes ago	Up 21 minutes (healthy)	0.0.0.0:8080->8080/tcp	gateway
ce221b54203c	ce19f003/diet	"java -XX:+UnlockExp..."	22 minutes ago	Up 22 minutes (healthy)	0.0.0.0:8082->8080/tcp	diet
aaa8b3896db1	ce19f003/statistics	"java -XX:+UnlockExp..."	22 minutes ago	Up 37 seconds (healthy)	0.0.0.0:8084->8080/tcp	statistics
18ca98fd12ec	ce19f003/registry	"java -XX:+UnlockExp..."	22 minutes ago	Up 22 minutes (healthy)	8080/tcp, 0.0.0.0:8761->8761/tcp	registry
fb0eddbbf337	ce19f003/config	"java -XX:+UnlockExp..."	22 minutes ago	Up 22 minutes (healthy)	8080/tcp, 0.0.0.0:8888->8888/tcp	config
3e124256e720	ce19f003/mysql:5.7	"docker-entrypoint.s..."	22 minutes ago	Up 22 minutes (healthy)	0.0.0.0:3306->3306/tcp, 33060/tcp	mysql-db

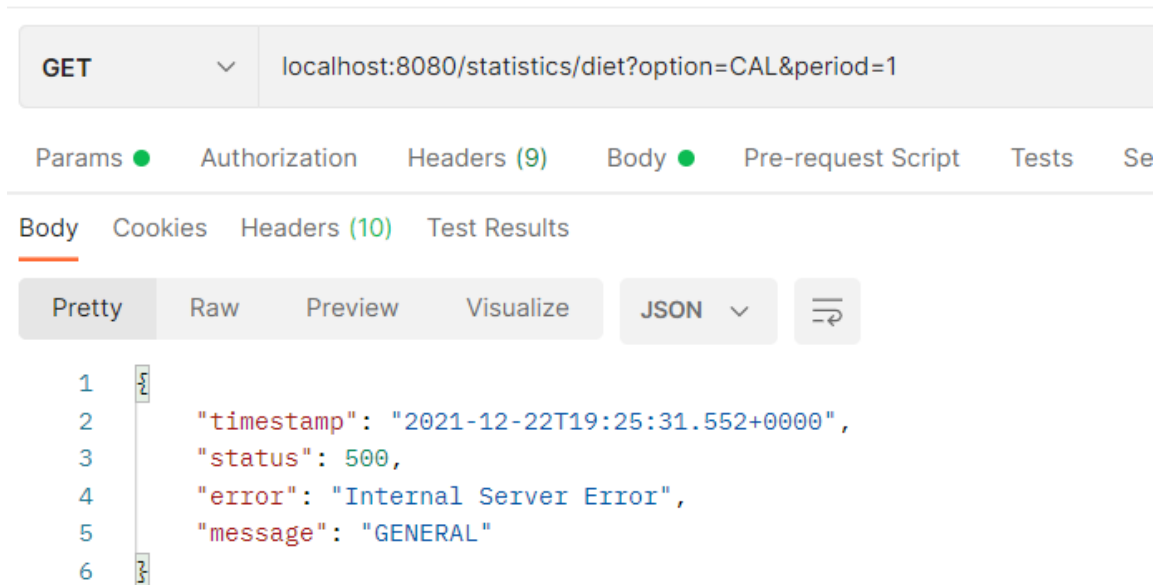
1. `docker ps -a` (모두 healthy 상태)
2. `docker stop diet` 컨테이너 하나를 강제로 종료
3. (조금 기다리기)
4. `docker ps -a` (컨테이너 하나 Exited 상태)
5. `docker ps` (모두 healthy 상태)

## 시나리오3 시연

### ▼ 사진



exercise가 죽어 있는데도? 500 에러를 출력하는 것이 아니라 임의의 빈 값을 출력



curcuitbreaker 없을 시 500 에러