Lab 7 | Docker Compose

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Docker Compose is based on docker-compose.yml file, it helps in defining all of the containers and settings you need to launch your set of clusters.

Docker-compose.yml file:
1. Define container as web, which is based on build
2. Link property is used to link containers
3. Ports are defined as 3000, 8000
4. Defining second container as redis

5. Docker up

6. Checking details of launched containers

7. Checking logs

```
$ docker-compose logs
Attaching to tutorial_web_1, tutorial_redis_1
web_1     |
web_1     | > scrapbook-redis-node-docker-example@0.0.0 start /usr/src/app
web_1     | > node server.js
web_1     |
web_1     | Listening on port 3001
redis_1   | 1:C 19 Apr 2021 10:18:54.598 # oO0OoO0OoO0Oo Redis is starting oO0OoO0OoO0Oo
redis_1   | 1:C 19 Apr 2021 10:18:54.602 # Redis version=6.2.1, bits=64, commit=00000000, modified=0, pid=1, j
ust started
redis_1   | 1:C 19 Apr 2021 10:18:54.602 # Warning: no config file specified, using the default config. In ord
er to specify a config file use redis-server /path/to/redis.conf
redis_1   | 1:M 19 Apr 2021 10:18:54.603 * monotonic clock: POSIX clock_gettime
redis_1   | 1:M 19 Apr 2021 10:18:54.603 * Running mode=standalone, port=6379.
redis_1   | 1:M 19 Apr 2021 10:18:54.603 # WARNING: The TCP backlog setting of 511 cannot be enforced because
/proc/sys/net/core/somaxconn is set to the lower value of 128.
redis_1   | 1:M 19 Apr 2021 10:18:54.603 # Server initialized
redis_1   | 1:M 19 Apr 2021 10:18:54.603 # WARNING overcommit_memory is set to 0! Background save may fail und
er low memory condition. To fix this issue add 'vm.overcommit_memory = 1' to /etc/sysctl.conf and then reboot
 or run the command 'sysctl vm.overcommit_memory=1' for this to take effect.
redis_1   | 1:M 19 Apr 2021 10:18:54.604 * Ready to accept connections
```