Docker Challenge

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Challenge 3

1. Created .env file

```
th .env U X

challenge3 > 拉 .env

1    DB_ROOT_PASSWORD=myrootpassword
2    DB_DATABASE=mydatabase
3    DB_USERNAME=myusername
4    DB_PASSWORD=mypassword
5    DB_HOST=db
6
7    MYSQL_ROOT_PASSWORD=myrootpassword
8    MYSQL_DATABASE=mydatabase
9    MYSQL_USER=myusername
10    MYSQL_PASSWORD=mypassword
11    MYSQL_HOST=db
```

2. Created docker-compose.yml file

3. Ran 'docker-compose up'

```
PS C:\Users\Nathan\Documents\Github\docker-challenge-template> docker-compose up
no configuration file provided: not found
PS C:\Users\Nathan\Documents\Github\docker-challenge-template> cd challenge3
PS C:\Users\Nathan\Documents\Github\docker-challenge-template\challenge3> docker-compose up
2024/64/26 13:54:33 http2: server: error reading preface from client //./pipe/docker_engine:
closed
[+] Bullding 0.0s (0/0) docker:default
2024/64/26 13:54:33 http2: server: error reading preface from client //./pipe/docker_engine:
closed
2024/64/26 13:54:33 http2: server: error reading preface from client //./pipe/docker_engine:
(+) Bullding 1.7s (13/35)
= (do internal) to do build definition from Dockerfile
|-> Unginx internal| load build definition from Dockerfile
|-> transferring dockerfile: 1328
|-> to the sterm of the st
```



4. Verified all services running

5. Ran 'docker-compose ps'

```
PS C:\Users\Nathan\Documents\GitHub\docker-challenge-template\challenge3> docker-compose ps
                                                                            SERVICE
NAME
                          IMAGE
CREATED
                 STATUS
                                PORTS
challenge3-db-1
                         challenge3-db
                                                    "docker-entrypoint.s.."
11 minutes ago Up 11 minutes 3306/tcp
                                                   "/docker-entrypoint..."
challenge3-nginx-1 challenge3-nginx
                                                                            nginx
12 minutes ago Up 11 minutes 0.0.0.0:8080->80/tcp
                                                   "docker-entrypoint.s.."
challenge3-node-service-1 challenge3-node-service
                                                                           node-service
11 minutes ago Up 11 minutes 3000/tcp
PS C:\Users\Nathan\Documents\GitHub\docker-challenge-template\challenge3>
```

Challenge 4

1. Ran docker-compose up -d to bring up the services defined in the docker-compose.yml file.

```
PS C:\Users\Nathan\Documents\GitHub\docker-challenge-template\challenge3> docker-compose up

d
[+] Running 3/0

✓ Container challenge3-db-1

✓ Container challenge3-nginx-1

✓ Container challenge3-node-service-1

Running

✓ Container challenge3-node-service-1

Running

✓ Container challenge3-node-service-1

Runnin...

PS C:\Users\Nathan\Documents\GitHub\docker-challenge-template\challenge3>
```

2. Executed docker-compose up -d --scale node-service=3 to scale up the node-service to 3 instances, then executed docker-compose ps to verify the scaled services and recorded the output.