

Name: Animesh Jain

Roll Number: R171218022

SAP ID: 500069453

Docker compose usage

1. Create two files named

-evs.env

-docker-compose.yml

2. In evs.env

MYSQL_ROOT_PASSWORD=redhat08

MYSQL_DATABASE=nginxdb

MYSQL_USER=root

3. In docker-compose.yml

version: '3'

services:

databases:

image: mysql

ports:

- "3307:3306"

env_file:

- evs.env

web:

image: nginx

ports:

- "80:80"

depends_on:

- databases

4. Now run command “\$ docker-compose up -d” to install all images and create containers of it in detached mode.

```
[node1] (local) root@192.168.0.8 ~
$ docker-compose up -d
Creating network "root_default" with the default driver
Pulling databases (mysql:)...
latest: Pulling from library/mysql
45b42c59be33: Pull complete
b4f790bd91da: Pull complete
325ae51788e9: Pull complete
adcb9439d751: Pull complete
174c7fe16c78: Pull complete
698058ef136c: Pull complete
4690143a669e: Pull complete
f7599a246fd6: Pull complete
35a55bf0c196: Pull complete
790ac54f4c47: Pull complete
18602acc97e1: Pull complete
365caa3500d0: Pull complete
Digest: sha256:b1cc887ed32cc6c2f217b12703bd05f503f2037892c8bb226047fe5dff85a109
Status: Downloaded newer image for mysql:latest
Pulling web (nginx:)...
latest: Pulling from library/nginx
45b42c59be33: Already exists
8acc495fld91: Pull complete
```

5. Run “\$ docker ps” to check running containers

```
[node1] (local) root@192.168.0.8 ~
$ docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
62clf56290fb   nginx     "/docker-entrypoint..." 25 seconds ago Up 24 seconds 0.0.0.0:80->80/tcp                root_web_1
d81e5174f4cd   mysql     "docker-entrypoint.s..." 26 seconds ago Up 24 seconds 33060/tcp, 0.0.0.0:3307->3306/tcp  root_databases_1
```

6. Now got to port 80:80 to check if nginx is up or not

