



RUNNING A SAMPLE DOCKER COMPOSE FILE

DevOps Certification Training

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Step 1: Create a folder called “docker”

```
$ sudo nano docker
```

```
ubuntu@ip-172-31-44-168: ~/docker
ubuntu@ip-172-31-44-168:~$ mkdir docker
ubuntu@ip-172-31-44-168:~$ cd docker
ubuntu@ip-172-31-44-168:~/docker$
```

Step 2: Write the sample YAML file in “docker-compose.yml” file

```
version: '3'

services:

  sample1:

    image: httpd

    ports:

      - "5000:5000"

  sample2:

    image: nginx
```

```
ubuntu@ip-172-31-44-168: ~/docker
ubuntu@ip-172-31-44-168:~/docker$ sudo nano docker-compose.yml
ubuntu@ip-172-31-44-168:~/docker$
```

After adding the above content in the .yml file it should look like this:

ubuntu@ip-172-31-44-168: ~/docker

```
GNU nano 2.9.3 docker-compose.yml

version: '3'
services:
  sample1:
    image: httpd
    ports:
      - "5000:5000"
  sample2:
    image: nginx
```

Step 3: To build this docker-compose file the syntax is the following:

```
$ docker-compose up -d
```

ubuntu@ip-172-31-44-168: ~/docker

```
ubuntu@ip-172-31-44-168:~/docker$ sudo docker-compose up -d
Creating network "docker_default" with the default driver
Creating docker_sample1_1_252171658efa ... done
Creating docker_sample2_1_1a5a9c47b721 ... done
ubuntu@ip-172-31-44-168:~/docker$
```

Step 4: Ensure all your containers are running

```
$ docker ps
```

ubuntu@ip-172-31-44-168: ~/docker

```
ubuntu@ip-172-31-44-168:~/docker$ sudo docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS
430613a4e137   nginx                               "nginx -g 'daemon of..." 47 seconds ago Up 46 seconds 80/tcp
a9809023f6f2   httpd                              "httpd-foreground"       47 seconds ago Up 46 seconds 80/tcp,
000->5000/tcp   docker_sample1_1_5f63affc506b
ubuntu@ip-172-31-44-168:~/docker$
```