

# Docker compose & docker-entrpoint

Asked 5 years, 10 months ago   Modified 2 years, 3 months ago   Viewed 202k times



When running docker-compose up --build I am always running into this error message. Anyone knows what I am doing wrong with the docker-entrpoint file?

41



```
ERROR: for 986991ccdfef1_ubercoach_web_1 Cannot start service web: OCI runtime
create failed: container_linux.go:348: starting container process caused "exec:
\"./docker-entrpoint.sh\": permission denied": unknown
```



```
ERROR: for web Cannot start service web: OCI runtime create failed:
container_linux.go:348: starting container process caused "exec: \"./docker-
entrpoint.sh\": permission denied": unknown
ERROR: Encountered errors while bringing up the project.
```

docker-compose:

```
version: '3'

services:
  db:
    image: postgres
    ports:
      - "5432:5432"
  web:
    build: .
    entrypoint: ./docker-entrpoint.sh
    env_file: .env
    volumes:
      - ./code
    ports:
      - "8000:8000"
    depends_on:
      - db
```

Dockerfile:

# Pull base image FROM python:3

```
# Set environment variables
ENV PYTHONUNBUFFERED 1

# Set work directory
RUN mkdir /code
WORKDIR /code

# Install dependencies
RUN pip install --upgrade pip
RUN pip install pipenv
COPY ./Pipfile /code/Pipfile
RUN pipenv install --deploy --system --skip-lock --dev
```

```
# Copy project
COPY . /code/
```

## docker-entrpoint.sh

```
#!/bin/bash

# Collect static files
echo "Collect static files"
python manage.py collectstatic --noinput

# Apply database migrations
echo "Apply database migrations"
python manage.py migrate

# Start server
echo "Starting server"
python manage.py runserver 0.0.0.0:8000
```

docker

docker-compose

Share Improve this question Follow

asked Oct 23, 2018 at 6:56



Joey Coder

3,439 ● 9 ● 31 ● 68

3 Does the script bin/docker-entrpoint.sh have execute permissions? – [Vignesh Ramsubbose](#) Oct 23, 2018 at 7:03

Not sure to be honest. How can I find that out? – [Joey Coder](#) Oct 23, 2018 at 7:21

1 Try the command "ls -lt docker-entrpoint.sh". This will show the permissions. – [Vignesh Ramsubbose](#) Oct 23, 2018 at 7:29

It says `-rw-r--r--@ 1 Marc staff 270 Oct 22 23:59 docker-entrpoint.sh` – [Joey Coder](#) Oct 23, 2018 at 7:34

3 hjsimpson answered correctly. – [Vignesh Ramsubbose](#) Oct 23, 2018 at 7:42

## 5 Answers

Sorted by: Highest score (default)



`\"./docker-entrpoint.sh\": permission denied\": unknown`

38



I would guess your `docker-entrpoint.sh` doesn't have execute permissions (x). But also `docker-compose.yml` is not really the best place for the `docker-entrpoint.sh`. It's the override setting, see [entrpoint](#). The default should go in the `Dockerfile`. Try this:



Add this to the end of your `Dockerfile`



```
COPY ./docker-entrypoint.sh /docker-entrypoint.sh
RUN chmod +x /docker-entrypoint.sh
ENTRYPOINT ["/docker-entrypoint.sh"]
```

The `docker-entrypoint.sh` should be in the same folder as the `Dockerfile` (or adjust the `COPY` path). Remove the `entrypoint` line from your `docker-compose.yml`. Rebuild, rerun.

Share Improve this answer Follow

answered Oct 23, 2018 at 7:36



[hjsimpson](#)

1,186 • 11 • 18

- 1 That's perfect, it works now! Thank you hjsimpson. One last question. You wrote `COPY ./docker-entrypoint.sh /docker-entrypoint.sh`. However I wrote above `COPY ./Pipfile /code/Pipfile`. Could I also just write `COPY ./Pipfile /Pipfile`? – [Joey Coder](#) Oct 23, 2018 at 7:49
- 2 It depends where you want your `Pipfile` to be inside your container. It's `COPY source_path target_path` source path is on your host, relative to the Dockerfile, target\_path is an absolute path in your container, see also: [docs.docker.com/engine/reference/builder/#copy](https://docs.docker.com/engine/reference/builder/#copy) – [hjsimpson](#) Oct 23, 2018 at 7:52 ✎



9



The solution was little bit different for me. First of all I needed to give a reference of the entrypointfile to the docker-compose. My dockerfile, docker-compose and entrypoint file stays all in a directory called docker, so

```
services:
  app:
    build:
      context: ..
      dockerfile: docker/Dockerfile.development
    entrypoint: docker/development-entrypoint.sh
    ports:
      - 3000:3000
    env_file:
      - ../.env.development
    depends_on:
      - postgres
```

I need to also change the execute right of the entrypoint and I did this in the dockerfile like this.

```
RUN chmod 755 docker/entrypoint.sh
```

The most annoying part was the `.sh` file. Normally by many different linux systems, you would start the `.sh` file as this

```
#!/bin/bash
```

Basicly, in one linux system, you use different shells. In .sh files, in order to define which shell you want to use, you start the file as show. But for me it did not work, since I was using node alpine image, and when I checked, there was no bash at all, so I had to chagne it to this.

```
#!/bin/sh
```

Hope it helps you or anyone who is having problem with this!

Share Improve this answer Follow

answered May 12, 2022 at 14:29



Emre

350 ● 3 ● 9



6



you should copy entrpoint like this:

docker-compose:

```
version: '3'

services:
  db:
    image: postgres
    ports:
      - "5432:5432"
  web:
    build: .
    entrypoint: /docker-entrpoint.sh
    env_file: .env
    volumes:
      - ./code
    ports:
      - "8000:8000"
    depends_on:
      - db
```

Dockerfile:

```
# Pull base image FROM python:3

# Set environment variables
ENV PYTHONUNBUFFERED 1

# Set work directory
RUN mkdir /code
WORKDIR /code

# Install dependencies
COPY ./docker-entrpoint.sh /docker-entrpoint.sh
RUN chmod +x /docker-entrpoint.sh
```

```

RUN pip install --upgrade pip
RUN pip install pipenv
COPY ./Pipfile /code/Pipfile
RUN pipenv install --deploy --system --skip-lock --dev

# Copy project
COPY . /code/

```

Share Improve this answer Follow

edited Dec 1, 2020 at 18:42

answered Dec 1, 2020 at 18:21



MrMahdi313

79 ● 1 ● 6

2 docker-entrypoint doesnt work in every directory. you should copy to this dir: /docker-entrypoint.sh

– MrMahdi313 Dec 1, 2020 at 18:43



4

You may add "bash" in Entrypoint:

ENTRYPOINT ["bash", "docker-entrypoint.sh"]



Share Improve this answer Follow

answered Jun 17, 2020 at 20:36



Elcin Guseynov

535 ● 4 ● 9



3

I spent a lot of time on this issue. the problem is that due the **volume** on the **web** service. I got the issue, because, I was docker-machine to deploy my app. Docker is using is using the volume which it does not find in the remote machine. Run the following to erase containers and volumes, which is the simple way to get rid of the issue.

docker-compose down -v



**NB:** Be cautious with the above command. Because, it delete all volume, therefore all the data you have on them.

The solution I use consists of docker a different **docker-file** and not adding volume to the web service.

Share Improve this answer Follow

edited Nov 19, 2019 at 14:46

answered Nov 19, 2019 at 14:21



thierno

934 ● 11 ● 10

Removing the volume did it for me, great catch. – Mitsakos Oct 25, 2021 at 17:07

