

# DOCKER CLASSROOM

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About

- EXPOSE documents which ports the application uses.
- CMD specifies what command to run when a container is started from the image. Notice that we can specify the command, as well as run-time arguments.

3. In order to make the following commands more copy/paste friendly, export an environment variable containing your DockerID (if you don't have a DockerID you can get one for free via Docker Hub).

You will have to manually type this command as it requires your unique DockerID.

```
export DOCKERID=<your docker id>
```

4. Echo the value of the variable back to the terminal to ensure it was stored correctly.

```
echo $DOCKERID
```

5. Use the `docker image build` command to create a new Docker image using the instructions in the Dockerfile.

- `--tag` allows us to give the image a custom name. In this case it's comprised of our DockerID, the application name, and a version. Having the Docker ID attached to the name will allow us to store it on Docker Hub in a later step
- `.` tells Docker to use the current directory as the build context

Be sure to include period (.) at the end of the command.

```
docker image build --tag $DOCKERID/linux_tweet_app:1.0 .
```

The output below shows the Docker daemon executing each line in the Dockerfile

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If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

EXPOSE 80 443

```
CMD ["nginx", "-g", "daemon off;"]
[node1] (local) root@192.168.0.18 ~/linux_tweet_app
$ export DOCKERID=roy345
[node1] (local) root@192.168.0.18 ~/linux_tweet_app
$ echo $DOCKERID
roy345
[node1] (local) root@192.168.0.18 ~/linux_tweet_app
$ docker image build --tag $DOCKERID/linux_tweet_app:1.0 .
Sending build context to Docker daemon  92.16kB
Step 1/5 : FROM nginx:latest
latest: Pulling from library/nginx
a2abf6c4d29d: Pull complete
a9edb18cadd1: Pull complete
589b7251471a: Pull complete
186b1aaa4aa6: Pull complete
b4df32aa5a72: Pull complete
a0bcbec962e: Pull complete
Digest: sha256:0d17b565c37bcbdb895e9d92315a05c1c3c9a29f762b011a10c54a66c
```


docker build automated

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## Linux Tweet App!



You've successfully deployed the Linux tweet app! Why not let the world know?

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