

Dockerfiles offer many different directives which we can use to build and customize our images. In this lesson, we will discuss some additional directives and demonstrate how to use them by further customizing our Nginx image.

Relevant Documentation

- <https://docs.docker.com/engine/reference/builder/>

Lesson Reference

Edit your `Dockerfile` :

```
cd ~/custom-nginx
vi Dockerfile
```

Add more customization to the `Dockerfile` :

```
# Simple nginx image
FROM ubuntu:bionic

ENV NGINX_VERSION 1.14.0-0ubuntu1.7

RUN apt-get update && apt-get install -y curl
RUN apt-get update && apt-get install -y nginx=$NGINX_VERSION

WORKDIR /var/www/html/
ADD index.html ./

EXPOSE 80

CMD ["nginx", "-g", "daemon off;"]

STOPSIGNAL SIGTERM
HEALTHCHECK CMD curl localhost:80
```

Rebuild the image and test it:

```
docker build -t custom-nginx .
docker run -d -p 8080:80 custom-nginx
curl localhost:8080
```

Locate our running container with `docker ps` , then remove it to clean up the environment:

```
docker ps
docker container rm -f <container id>
```