

Build and Run a Simple Docker Container

Clone the book repository to run this example in Cloud Shell; we have a bash script titled **date-script.sh** in the chapter folder. The script assigns the current date to a variable and then prints out the date to the console. The Dockerfile will copy the script from the local machine to the docker container file system and execute the shell script when running the container. The Dockerfile to build the container is stored in **docker-intro/hello-world**.

```
# navigate to the folder with images
cd docker-intro/hello-world
```

Let's view the bash script.

```
cat date-script.sh

#!/bin/sh
DATE="$(date)"
echo "Today's date is $DATE"
```

Let's view the Dockerfile.

```
# view the Dockerfile
cat Dockerfile

# base image for building container
FROM docker.io/alpine
# add maintainer label
LABEL maintainer="dvdbisong@gmail.com"
# copy script from local machine to container file system
COPY date-script.sh /date-script.sh
# execute script
CMD sh date-script.sh
```

The Docker image will be built off the Alpine Linux package. See https://hub.docker.com/_/alpine. The CMD routine executes the script when the container runs.

Build the Image

Run the following command to build the Docker image.

```
# build the image
docker build -t ekababisong.org/first_image .
```