

Exp 8 - Docker Ignore

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Viewing the Dockerfile

```
$ cat Dockerfile
FROM alpine
ADD . /app
COPY cmd.sh /cmd.sh
CMD ["sh", "-c", "/cmd.sh"]
```

Building the image

```
$ docker build -t password .
Sending build context to Docker daemon  4.096kB
Step 1/4 : FROM alpine
--> 11ed0b38bc3c
Step 2/4 : ADD . /app
--> c6c66596c4aa
Step 3/4 : COPY cmd.sh /cmd.sh
--> 22af51f6629c
Step 4/4 : CMD ["sh", "-c", "/cmd.sh"]
--> Running in a2d3a1457f39
Removing intermediate container a2d3a1457f39
--> 21190cd6b92f
Successfully built 21190cd6b92f
Successfully tagged password:latest
```

Output

```
$ docker run password ls /app
Dockerfile
cmd.sh
passwords.txt
```

The following command would include passwords.txt in the .dockerignore file to ensure that it didn't accidentally end up in a container

And then building the image

```
$ echo passwords.txt >> .dockerignore
$ docker build -t nopassword .
Sending build context to Docker daemon  4.096kB
Step 1/4 : FROM alpine
--> 11ed0b38bc3c
Step 2/4 : ADD . /app
--> 7618ce20dc32
Step 3/4 : COPY cmd.sh /cmd.sh
--> 4aeaac693a6c
Step 4/4 : CMD ["sh", "-c", "/cmd.sh"]
--> Running in 4beaf3220123
Removing intermediate container 4beaf3220123
--> c62251fbc7ee
Successfully built c62251fbc7ee
Successfully tagged nopassword:latest
```

Output

```
$ docker run nopassword ls /app
Dockerfile
cmd.sh
```

Pushing large files while building image

```
$ docker build -t large-file-content .
Sending build context to Docker daemon 4.096kB
Step 1/4 : FROM alpine
--> 11ed0b30bc3c
Step 2/4 : ADD . /app
--> Using cache
--> 7b18ce269c32
Step 3/4 : COPY cmd.sh /cmd.sh
--> Using cache
--> 4aaaac653a6c
Step 4/4 : CMD ["sh", "-c", "/cmd.sh"]
--> Using cache
--> c62251fbc7ee
Successfully built c62251fbc7ee
Successfully tagged large-file-content:latest
```

Using dockerignore to stop 100M files from getting pushed when building the image

```
$ echo big-temp-file.img >> .dockerignore
$ docker build -t no-large-file-content .
Sending build context to Docker daemon 4.096kB
Step 1/4 : FROM alpine
--> 11ed0b30bc3c
Step 2/4 : ADD . /app
--> b35d934f5796
Step 3/4 : COPY cmd.sh /cmd.sh
--> 3aa2b4d02d39
Step 4/4 : CMD ["sh", "-c", "/cmd.sh"]
--> Running in fd663bdc013
Removing intermediate container fd663bdc013
--> a47ea83ec3aa
Successfully built a47ea83ec3aa
Successfully tagged no-large-file-content:latest
$
```