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Week 4 Docker Assessment

```
C:\Users\verizon\Desktop\hellodocker>docker --version
Docker version 27.1.1, build 6312585
```

```
C:\Users\verizon\Desktop\hellodocker>docker build . -f dockerfile.txt
[+] Building 11.8s (9/9) FINISHED                                docker:desktop-linux
=> [internal] load build definition from dockerfile.txt          0.0s
=> => transferring dockerfile: 167B                               0.0s
=> [internal] load metadata for docker.io/library/openjdk:17-jdk-slim 2.8s
=> [internal] load .dockerignore                                  0.0s
=> => transferring context: 2B                                       0.0s
=> [internal] load build context                                  0.0s
=> => transferring context: 791B                                       0.0s
=> [1/4] FROM docker.io/library/openjdk:17-jdk-slim@sha256:aaa3b3cb27e3e520b8f116863d0580c438ed55ecfa0bc126b41f6 7.5s
=> => resolve docker.io/library/openjdk:17-jdk-slim@sha256:aaa3b3cb27e3e520b8f116863d0580c438ed55ecfa0bc126b41f6 0.0s
=> => sha256:aaa3b3cb27e3e520b8f116863d0580c438ed55ecfa0bc126b41f68c3f62f9774 547B / 547B 0.0s
=> => sha256:779635c0c3d23cc8dbab2d8c1ee4cf2a9202e198dfc8f4c0b279824d9b8e0f22 953B / 953B 0.0s
=> => sha256:37cb44321d0423bc57266a3bfff658daf00478e4cdf2d3b8091f785310534256d 4.80kB / 4.80kB 0.0s
=> => sha256:1fe172e4850f03bb45d41a20174112bc119fbfec42a650edbbd8491aee32e3c3 31.38MB / 31.38MB 1.2s
=> => sha256:44d3aa8d076675d49d85180b0ced9daef210fe4fdff4b4bb422b9cf384e591d0 1.58MB / 1.58MB 0.9s
=> => sha256:6ce99fdf16e86bd02f6ad66a0e1334878528b5a4b5487850a76e0c08a7a27d56 187.90MB / 187.90MB 5.3s
=> => extracting sha256:1fe172e4850f03bb45d41a20174112bc119fbfec42a650edbbd8491aee32e3c3 2.1s
=> => extracting sha256:44d3aa8d076675d49d85180b0ced9daef210fe4fdff4b4bb422b9cf384e591d0 0.2s
=> => extracting sha256:6ce99fdf16e86bd02f6ad66a0e1334878528b5a4b5487850a76e0c08a7a27d56 2.0s
=> [2/4] COPY . /var/www/java                                     0.3s
=> [3/4] WORKDIR /var/www/java                                    0.0s
=> [4/4] RUN javac HelloDocker.java                               0.8s
=> exporting to image                                             0.1s
=> => exporting layers                                              0.1s
=> => writing image sha256:82ec4aed0b8805f2e3e90c8718dff4ff20d8135293064a40993e46f3d8495b1a 0.0s
```

What's next:

View a summary of image vulnerabilities and recommendations → [docker scout quickview](#)

```
C:\Users\verizon\Desktop\hellodocker>docker build -t hello-docker -f dockerfile.txt .
[+] Building 1.8s (9/9) FINISHED
=> [internal] load build definition from dockerfile.txt
=> => transferring dockerfile: 167B
=> [internal] load metadata for docker.io/library/openjdk:17-jdk-slim
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load build context
=> => transferring context: 107B
=> [1/4] FROM docker.io/library/openjdk:17-jdk-slim@sha256:aaa3b3cb27e3e520b8f116863d0580c438ed55ecfa0bc126b41f68c3f62f9774
=> CACHED [2/4] COPY . /var/www/java
=> CACHED [3/4] WORKDIR /var/www/java
=> CACHED [4/4] RUN javac HelloDocker.java
=> exporting to image
=> => exporting layers
=> => writing image sha256:82ec4aed0b8805f2e3e90c8718dff4ff20d8135293064a40993e46f3d8495b1a
=> => naming to docker.io/library/hello-docker
```

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```
C:\Users\verizon\Desktop\hellodocker>docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
hello-docker	latest	82ec4aed0b88	10 minutes ago	408MB

```
C:\Users\verizon\Desktop\hellodocker>docker run hello-docker
Hello
```

```
C:\Users\verizon\Desktop\hellodocker>docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
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```
C:\Users\verizon\Desktop\hellodocker>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
739cb5af64d0	hello-docker	"java HelloDocker"	2 minutes ago	Exited (0) 2 minutes ago		musing_ptolemy

```
C:\Users\verizon\Desktop\hellodocker>docker login
Log in with your Docker ID or email address to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com/ to create one.
You can log in with your password or a Personal Access Token (PAT). Using a limited-scope PAT grants better security and is required for organizations using SSO. Learn more at https://docs.docker.com/go/access-tokens/

Username: resource30
Password:
Login Succeeded
```

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Username: resource30
Password:
Login Succeeded

C:\Users\verizon\Desktop\hellodocker>docker tag hello-docker resource30/hello-docker:latest

C:\Users\verizon\Desktop\hellodocker>docker push resource30/hello-docker:latest
The push refers to repository [docker.io/resource30/hello-docker]
9b4e440e6d8a: Pushed
5f70bf18a086: Pushed
d271b5b6972c: Pushed
6be690267e47: Layer already exists
13a34b6fff78: Layer already exists
9c1b6dd6c1e6: Layer already exists
latest: digest: sha256:9164c9181a2cfea10aaa1986f41034d5e9cb524007d5b9fcab7c1c4cf10b01ee size: 1573

C:\Users\verizon\Desktop\hellodocker>
```

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