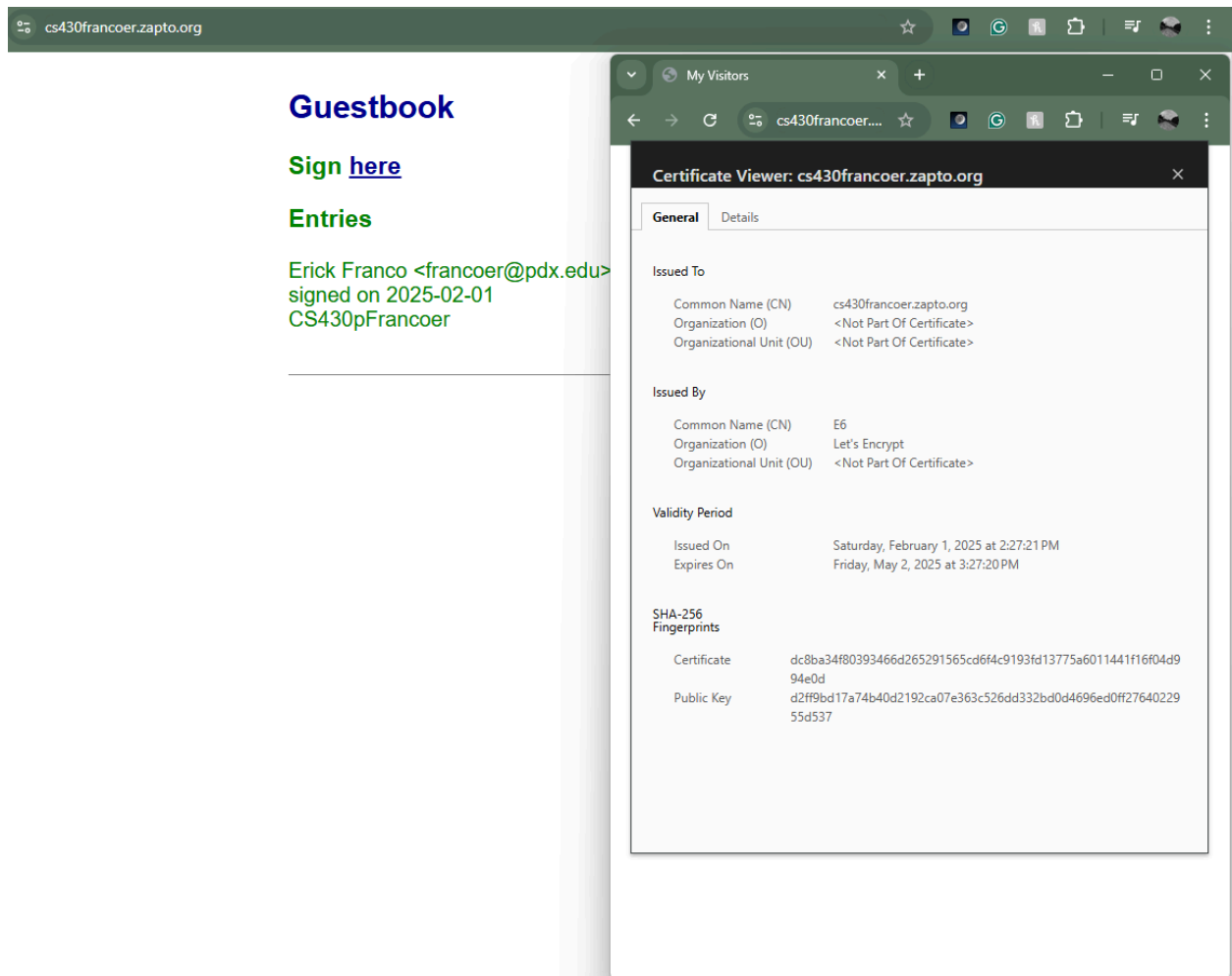


Erick Franco  
CS430p  
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<b>Docker 04.2.3.....</b>	<b>2</b>
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<b>Docker 04.2.13.....</b>	<b>7</b>

## Nginx 04.1.6



## Docker 04.2.3

```
francoer@course-vm:~/cs430-src/04_container_dockerhub$ docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
helloubuntu   latest    0fa7bcc70dd4   17 seconds ago 455MB
ubuntu        20.04    6013ae1a63c2   3 months ago  72.8MB
francoer@course-vm:~/cs430-src/04_container_dockerhub$
```

## Docker 04.2.6


```
francoer@course-vm:~/cs430-src/04_container_dockerhub$ docker rmi helloubuntu francoer/helloubuntu
Untagged: helloubuntu:latest
Untagged: francoer/helloubuntu:latest
Untagged: francoer/helloubuntu@sha256:019c0c9fa5d16d7bc2f636d0dbc43ad2dala7f67a8567fcf9d92aa39ac7f0259
Deleted: sha256:0fa7bcc70dd44dc51d782671e81421710ad79c19db3388d000de3e6f8f637956
Deleted: sha256:c6fe0467000137c09a5dc55bbb5c2ec2cde1126bb5dab4b0673ef31482397dc1
Deleted: sha256:7c8ca3df485696244f32b53ce84e30cfb53c72ea9bbf5ee200e1174bded9f960
Deleted: sha256:843e904b00d91e30242d82d12429e3ca43904fa51496123ce506e100ec273f8e
Deleted: sha256:4bc63c9158f06542707ab33c141261bc52ed8b655d7336186cbd459e0eb4208c
Deleted: sha256:06e963f469d1eda3e6dec85e6c356d91e74a9ec3c3c1c6473f60ee11506acd4b
Deleted: sha256:717b5c34117357332bd71766833375a46052b79c9e8804e1849a596340612c2b
Deleted: sha256:57388f73d271611f597063af0293f7ef4fa47aa5aad431127ed4b2f2f5e87395
Deleted: sha256:9c987ab8c6753a56f523dfcdd9b485696c7c127ef30cef8b11f843a7331ff766
Deleted: sha256:8cc3f4234f3eb51a16fbf366fded76e27890310d6ab756a0c8675b73ee37330
Deleted: sha256:7a5c3cdf1e951f47e3e921becfc5ddd0593151634e51c4ce9eee6a8cc447984f
Deleted: sha256:6ee13353bb171afb7132ebf7b43f37b6ff6761c6f8fe4fc494a742ed923b11ec
francoer@course-vm:~/cs430-src/04_container_dockerhub$ docker run -di -p 8000:5000 --name hellou francoer/hellou
buntu
Unable to find image 'francoer/helloubuntu:latest' locally
latest: Pulling from francoer/helloubuntu
d9802f032d67: Already exists
f813006f5cc0: Pull complete
ac0b8c2d0a95: Pull complete
6e8d0b506fe6: Pull complete
f79442cbe81a: Pull complete
Digest: sha256:019c0c9fa5d16d7bc2f636d0dbc43ad2dala7f67a8567fcf9d92aa39ac7f0259
Status: Downloaded newer image for francoer/helloubuntu:latest
a47345dc0df82bc7a8c3b2f4f7a3714c572f13c4df839e364024edb77ab20cb3
francoer@course-vm:~/cs430-src/04_container_dockerhub$ docker images
```

What layer adds the most to the container image? How much does it add?

It would be layer 9 adding 98mb

9/bin/sh -c apt-get install -y 97.69 MB

Take a screenshot of the container image and its size for your lab notebook.



## francoer/helloubuntu:latest

MANIFEST DIGEST sha256:019c0c9fa5d16d7bc2f636d0dbc43ad2da1a7f67a8567fcf9d92aa39ac7f0259

OS/ARCH	COMPRESSED SIZE	LAST PUSHED	TYPE	MANIFEST DIGEST
linux/amd64	162.42 MB	30 minutes ago by <a href="#">francoer</a>	Image	sha256:019c0c9f...

Image Layers

Vulnerabilities

Image Layers

Command

1 ARG RELEASE	0 B	ARG RELEASE
2 ARG LAUNCHPAD_BUILD_ARCH	0 B	
3 LABEL org.opencontainers.image.ref.name=ubuntu	0 B	
4 LABEL org.opencontainers.image.version=20.04	0 B	
5 ADD file ... in /	26.24 MB	
6 CMD ["/bin/bash"]	0 B	
7 LABEL maintainer=yourname@pdx.edu	0 B	
8 /bin/sh -c apt-get update -y	36.48 MB	
9 /bin/sh -c apt-get install -y	97.69 MB	
10 COPY dir:b4fc504d0cd9a985967f8096b64d72d4f659093aece9ef6805_	2.99 KB	
11 WORKDIR /app	0 B	
12 /bin/sh -c pip install -r	2.01 MB	
13 ENTRYPOINT ["python3"]	0 B	
14 CMD ["app.py"]	0 B	

## Docker 04.2.8

Take a screenshot of the image generated and its size for your lab notebook. How much smaller is the image than the Ubuntu one?

-400mb less

```
francoer@course-vm:~/cs430-src/04_container_dockerhub$ docker images
REPOSITORY      TAG          IMAGE ID       CREATED        SIZE
helloalpine     latest      8759b3b24801   2 seconds ago  57.7MB
python          alpine     d5cb4e1bd67f   2 weeks ago    44.9MB
ubuntu          20.04      6013ae1a63c2   3 months ago   72.8MB
francoer@course-vm:~/cs430-src/04_container_dockerhub$
```

- Show the output of this command in a screenshot for your lab notebook. What might have happened?
  - I think to save space it might have gotten rid of bash and other not useful programs that it might not need to hold up the program

```
francoer@course-vm:~/cs430-src/04_container_dockerhub$ docker exec -it helloa /bin/bash
OCI runtime exec failed: exec failed: unable to start container process: exec: "/bin/bash":
stat /bin/bash: no such file or directory: unknown
francoer@course-vm:~/cs430-src/04_container_dockerhub$
```

- Take a screenshot of the output of each

```
francoer@course-vm:~/cs430-src/04_container_dockerhub$ docker exec -it helloa /bin/sh
/app # ps -ef
PID   USER     TIME   COMMAND
    1  root      0:00   python3 app.py
    7  root      0:00   /usr/local/bin/python3 app.py
   16  root      0:00   /bin/sh
   22  root      0:00   ps -ef
/app # cat /etc/alpine-release
3.21.2
/app #
```

## Docker 04.2.9

TAG		
● <a href="#">latest</a>		
Last pushed 2 minutes ago by <a href="#">francoer</a>		
Digest	OS/ARCH	Last pushed
<a href="#">463a2d008e59</a>	linux/amd64	2 minutes ago

<pre>docker pull francoer/helloalpine:latest</pre> <a href="#">Copy</a>		
OS/ARCH	Last pull	Compressed size ⓘ
linux/amd64	2 minutes ago	20.59 MB

## Docker 04.2.10

⚠ Not secure 34.82.238.151	FPS
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### Guestbook

Sign [here](#)

#### Entries

Erick <francoer@pdx.edu>  
signed on 2025-02-02  
Hello Compute Engine + Docker!

---

## Docker 04.2.13

# Guestbook

Sign [here](#)

## Entries

Erick <francoer@pdx.edu>  
signed on 2025-02-02  
Hello ContainerOS!

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