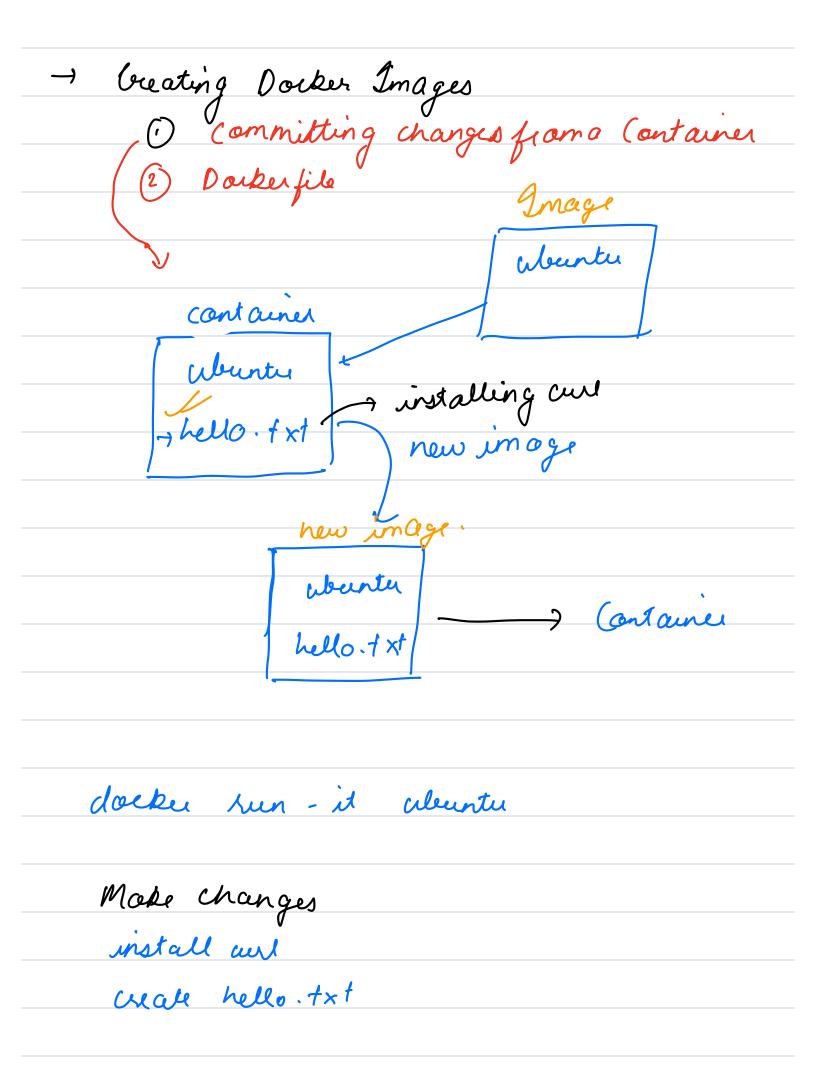
	Docker	Basics	Continued	&
		Dorber	Continued Swarm	
				arts at 9:05 pm
# Agenda				
1. Logging Drivers				
	lmono			
2. Creating Docker	-			
1. Committing	from an existing o	container		
2. Dockerfile				
3. Docker Compose	е			
4. Multi-Stage Build	ds			
5. Docker inspect				
6. Docker Registry				
1. Docker Hub)			
7. Docker Swarm				
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	() sfde	w V		
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	Sídin			
	510.00	r		
didA	I Anna de La	an al	laccina de	
	runi sy	jes of i	logging dru	

-> syslog
/var/100 / 1411/00
-> syslog /var/dog/syslog
docker info grep "Logging Driver"
docker runlog-driver=syslog ubuntu
→ journald → stored in binary log format
-) ctourd in binary log lamat
. 570 (kg 201 20 20 20 20 20 20 20 20 20 20 20 20 20
/von/log/journal
-> awslogs sends logs to Amazon Claudwatch.
sends logs to Amazon Claudwatch.
- change dyault logging driver for all
-> change défault logging driver par all Containers
Containers
/etc/docker/daemon.json
{
"log-driver": "awslogs",



exit
docker commit id my-custom-ubuntu
Cartainer - id
Removing containers
docker rm \$(docker ps -aq)
Removing Images
Removing Images docker emi image-id
→ Dockerfile
Quil of
Dockerfile -> Image
FROM base image. FROM python:3.9-slim FROM workDIR /app RUN apt-get install python
FROM python:3.9-slim ————————————————————————————————————
WORKDIR /app RUN apt-get install pytho
COPY

RUN echo "Running hello.py"

CMD ["python", "hello.py"]	VM	7 †0
	hello:pg-	wate
		inaze.
		,
pythan he	llo, py	/app
docker build - t	python-app.	
	·	
image got vuo	eted	
docker run pyt	hon-app	
v		
Break ->	10:20pm	
	'	
ADD hello.pg	/app/	
COPY hello.py	/app/	
·	/ ' ' '	

coly	http://som-wesile	/app/
	•	

ADD https://www.w3.org/TR/PNG/iso_8859-1.txt /app/iso_8859-1.txt

(MD) and ENTR Y POINT define behaviour of container when it starts

CMD vs ENTRYPOINT

Feature	CMD	ENTRYPOINT
Purpose	Default command/arguments for the container.	Configures the container as an executable.
Overridable	Yes, completely overridable with docker run .	No, unless —entrypoint is used.
Command Arguments	Can pass arguments when using docker run .	Appends arguments to the specified command.
Flexibility	Better for default behaviors.	Better for containers with fixed behavior.

import sys

print("Hello, ", " ".join(sys.argv[1:]))

Dockerfile
FROM python:3.9-slim
FROM python:3.9-slim
WORKDIR /app
COPY hello.py .
ENTRYPOINT ["python", "hello.py"]
CMD ["World!"]
CMD ["World!"] LABEL Version = "1.0"
docker build -t cmd-vs-entrypoint-demo .
docker run cmd-vs-entrypoint-demo Alice
,
docker runentrypoint echo cmd-vs-entrypoint-demo "Hello from new entrypoint!"
Hello from new entrypoint! — output
Tielle lieffi fiew chu ypoint.
FROM ubuntu:latest
CMD echo "This is the first CMD"
CMD echo "This is the second CMD"
CMD echo "This is the last CMD"

#First ENTRYPOINT (This will be ignored)	
ENTRYPOINT ["echo", "This is ENTRYPOINT	NT 1"]
•	
#Second ENTRYPOINT (This will be used)	
ENTRYPOINT ["echo", "This is ENTRYPOINT	NT 2"]
ENV	
ENV APR	ENV = Production.
Expose	expose 80
EXPOSE VOLUME	expose 80 volume ["/dato"]
LABEL	LABEL vusion = "1.0"
/dat	a (host) -> container
	a (host) -> container

Docker Compose
docker-compose.yml.
docker-compose up
docker-conpose down.
version: '3'
services:
web:
image: nginx
container_name: webserver
ports:
- "8080:80"
db:
image: mysql:5.7
container_name: mysql_db

environment:

MYSQL_ROOT_PASSWORD: example
ports:
- "3306:3306"
docker-compose up -d
douker- compose down
docker-compose down docker-compose logs
docker sur - itcpus = "0.5" abunta
100ms. 200 ms.
0.5 Sec.
cpey= 0.1"

FROM scratch	
COPY python3 /usr/local/bin/python	
COPY app.py /app/app.py	
WORKDIR /app	_
CMD ["/usr/local/bin/python", "app.py"]	
CMD ["/usr/local/bin/python", "app.py"]	
	_
	_
	_