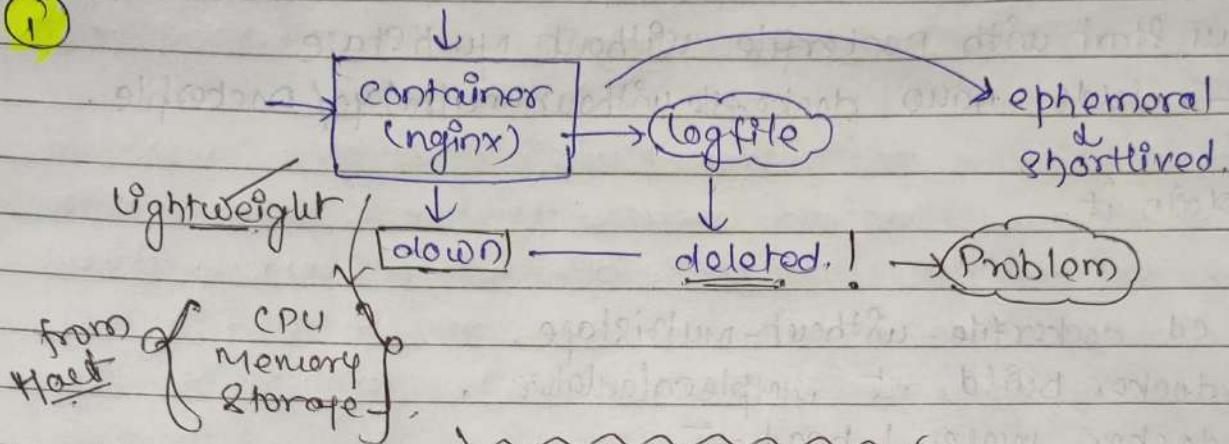
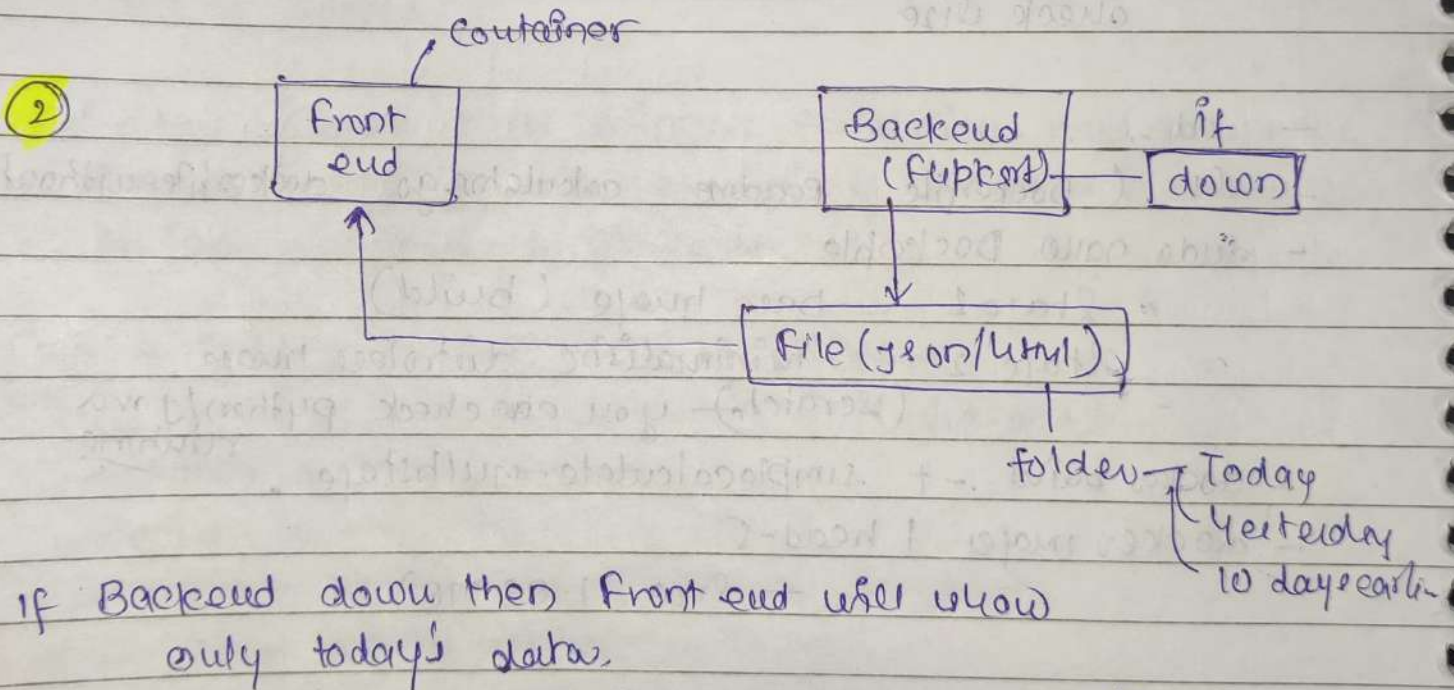


* Docker Bind Mount & Volumes *

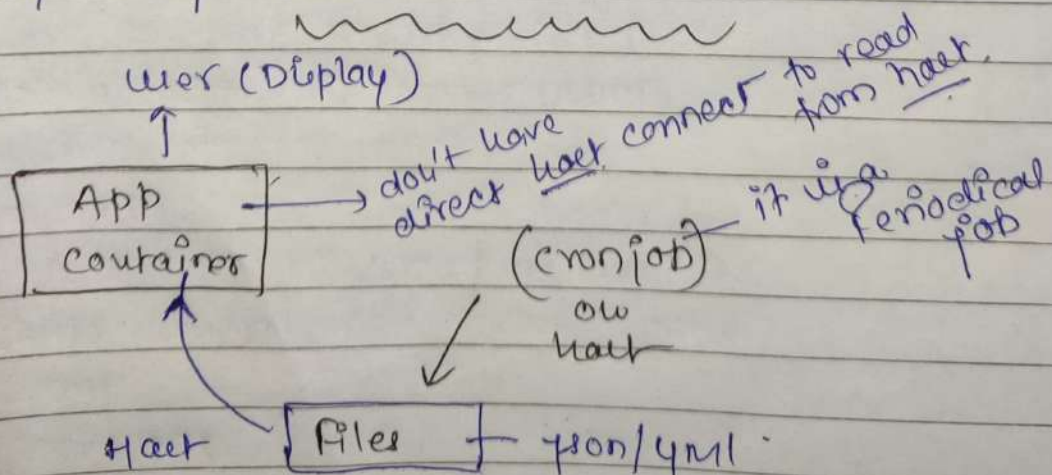
①



②



③

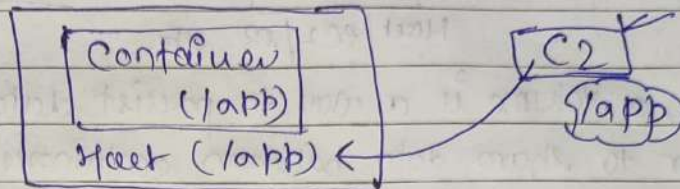


Solutions

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1. Bind Mount
2. Volumes

① Bind Mount



If the container goes down host can use app & create another container & bind it with /app so that information is not lost.

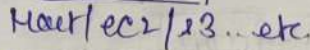
"In Docker, a bind mount is a way to share a file or directory from the host machine with a container. It allows you to ~~link~~ link a specific file or directory on your host system to a location within the container, creating a shared link between the two.

Here's a simple breakdown:-

1. Host Machine :- This is your computer or server where Docker is running.
2. Container :- This is an isolated environment created by Docker to run application.
3. Bind Mount :- It's like making a symbolic link between a folder on your computer (host) and a folder inside the container.

When you use bind mount, changes made in the linked folder are reflected both on the host m/c & inside the container, & vice versa. This is useful when you want to provide data to a container or persist data generated by a container outside its runtime.

early lifecycle



here is simple breakdown,

- LAB:- launch ec2 - ubuntu - connect
with apt-get update

- sudo apt-get update
- sudo apt install docker.io -y
- sudo systemctl start docker
- sudo systemctl enable docker
- reboot
- login back.

- docker volume ls
- docker volume create techburner
- docker volume ls
- docker volume inspect techburner
- zsh
- docker volume rm techburner
- docker volume ls

To mount the vol^m, firstly create an container

- ~~Just a nano Dockerfile~~
FROM ubuntu
- docker git volume < DockerHub Repo >
- cd first-docker-file
- ls (Dockerfile app.py)
- docker build -t volumedemo
- docker volume create techburner
- docker run -d --mount source=techburner, target=/app
ngi volumedemo
or nginx:latest
- docker ps
- docker inspect <cont.ID>
(mounts search)

→ To delete the Vol^m, need to stop container.

- docker stop <cont.ID>
- docker volume rm <vol^m>