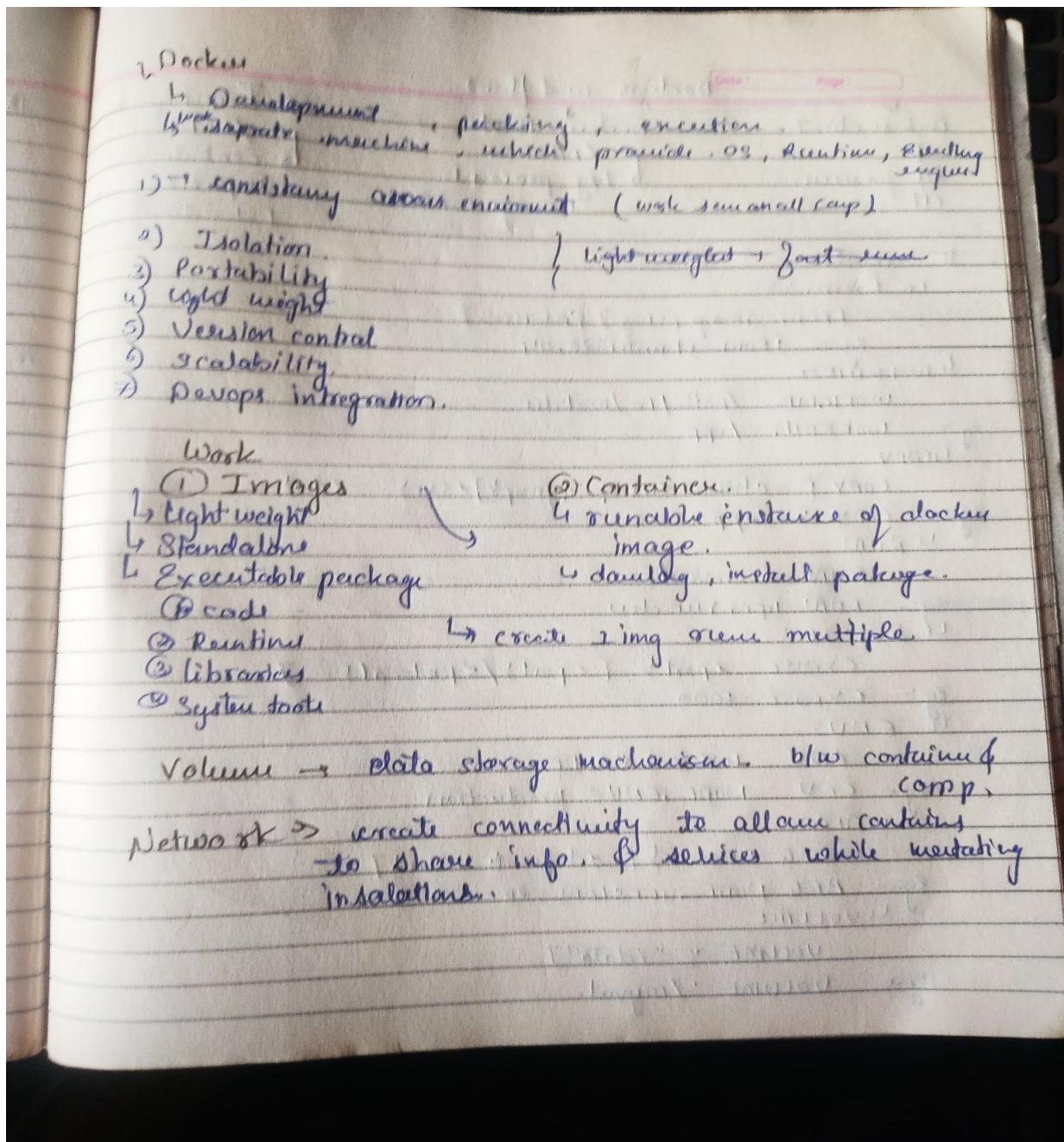


DOCKER

- **docker javascript mastery youtube vedio**
- youtube link : [watch vedio beginner](#)

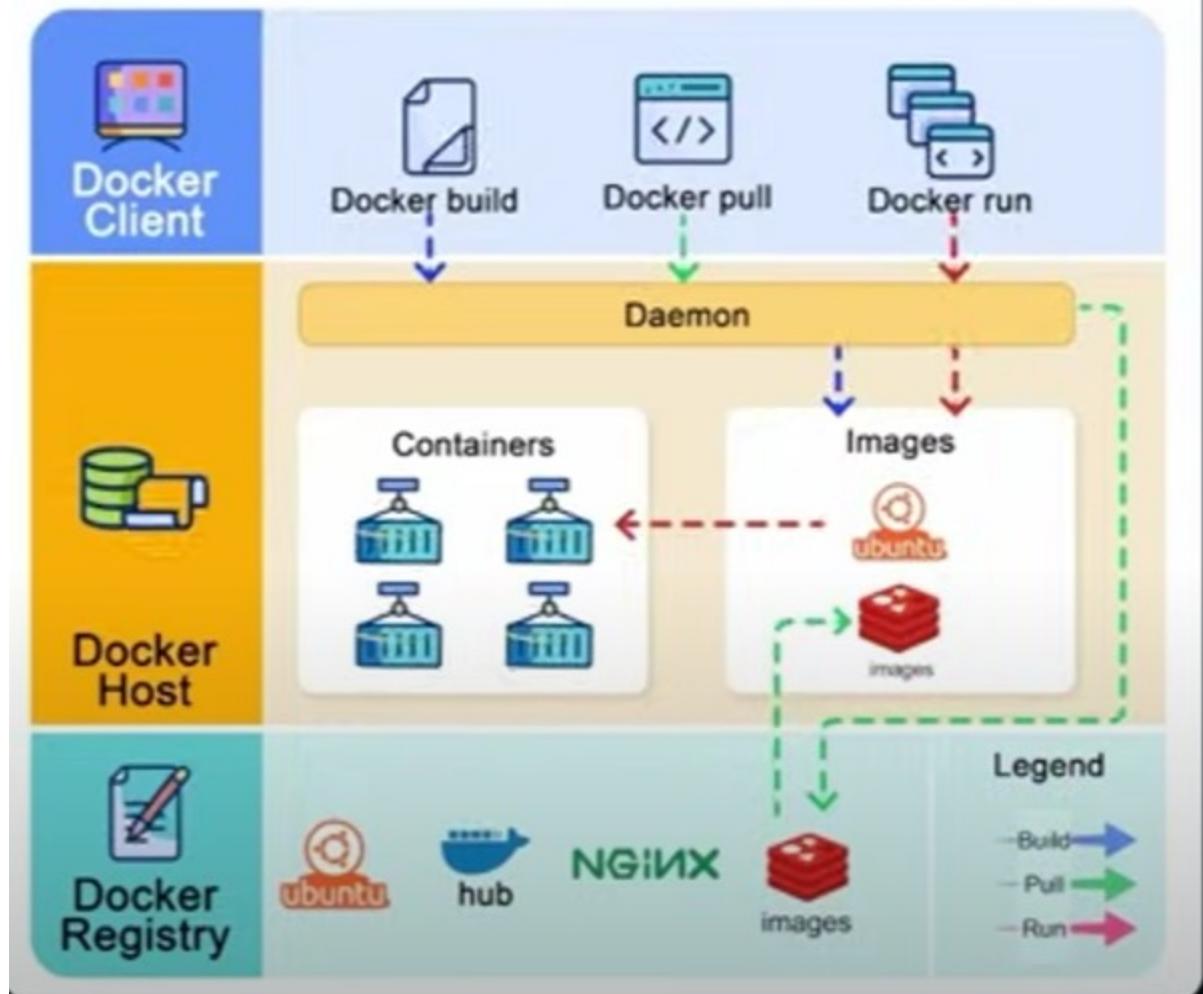
My work code -

Github link :- [docker-learn.git](#)

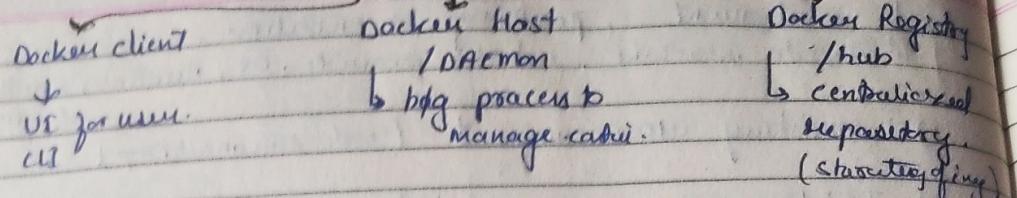


How does Docker Work ?

 blog.bytebytego.com



Docker workflow



1. Command:

↳ from. →

FROM image [<tag>] [<as name>]

Eg:- FROM ubuntu:20.04

↳ WORKDIR →

WORKDIR /path/to/workingdir

Eg:- WORKDIR /app

↳ COPY

COPY [-chown=<user>:<group>] <s><c> ... <dest>

Eg:- COPY . /app

↳ RUN

RUN <command>

Eg:- RUN npm run dev

↳ EXPOSE:

EXPOSE <port> [<port>/<protocol> ...]

Eg:- EXPOSE 3000

↳ ENV:

ENV KEY=VALUE

Eg:- ENV NODE_ENV=production

↳ ARG:

ARG <name> [<default value>]

Eg:- ARG NODE_VERSION=20

↳ VOLUME

VOLUME [/data]

Eg:- VOLUME '/myvol.'

FROM:

```
> FROM image[:tag] [AS name]  
# EXAMPLE  
> FROM ubuntu:20.04
```

WORKDIR:

```
> WORKDIR /path/to/workdir  
# EXAMPLE  
> WORKDIR /app
```

COPY:

```
> COPY [ --chown=<user>:<group>] <src>... <dest>  
# EXAMPLE  
> COPY . /app
```

RUN:

```
> RUN <command>  
# EXAMPLE  
> RUN npm run dev
```

EXPOSE:

```
> EXPOSE <port> [<port>/<protocol>...]  
# EXAMPLE  
> EXPOSE 3000
```

ENV:

```
> ENV KEY=VALUE  
# EXAMPLE  
> ENV NODE_ENV=production
```

ARG:

```
> ARG <name>[=<default value>]  
  
# EXAMPLE  
> ARG NODE_VERSION=20
```

VOLUME:

```
> VOLUME ["/data"]  
  
# EXAMPLE  
> VOLUME /myvol
```

CMD:

```
> CMD ["executable", "param1", "param2"]  
  
> CMD ["param1", "param2"]
```

CMD

Default executable

ENTRYPOINT

Fixed starting point

CMD

Flexible, can be overridden

ENTRYPOINT

cannot be overridden

4. Compose

cmd : ["executable", "param1", "param2"]
eg - cmd ["param1", "param2"]

"ENTRYPOINT"

cmd ["executable", "param1"]
eg - cmd command param1 param2

Dockerfile
- dockerignore

→ build image

>>> docker build → image-name → (location)

Run image with port mapping

>>> docker run -p 5173:5173 image-name

Run up docker

>>> docker run -p 5173:5173 -v "\$PWD":/app img-name
→ complete

>>> docker run -p 5173:5173 -v "\$PWD":/app img-name
-v /app/node-modules img-name

Docker Compose

"autonome", uses multiple cmd in one.

(Docker init) → (CLI comand)

Host HUB
→ docker login

→ Docker compose watch

(docker.yaml) → docker tag
react-docker
ashishbkr/react-docker

(Docker compose up)

→ docker push
ashishbkr/react-docker