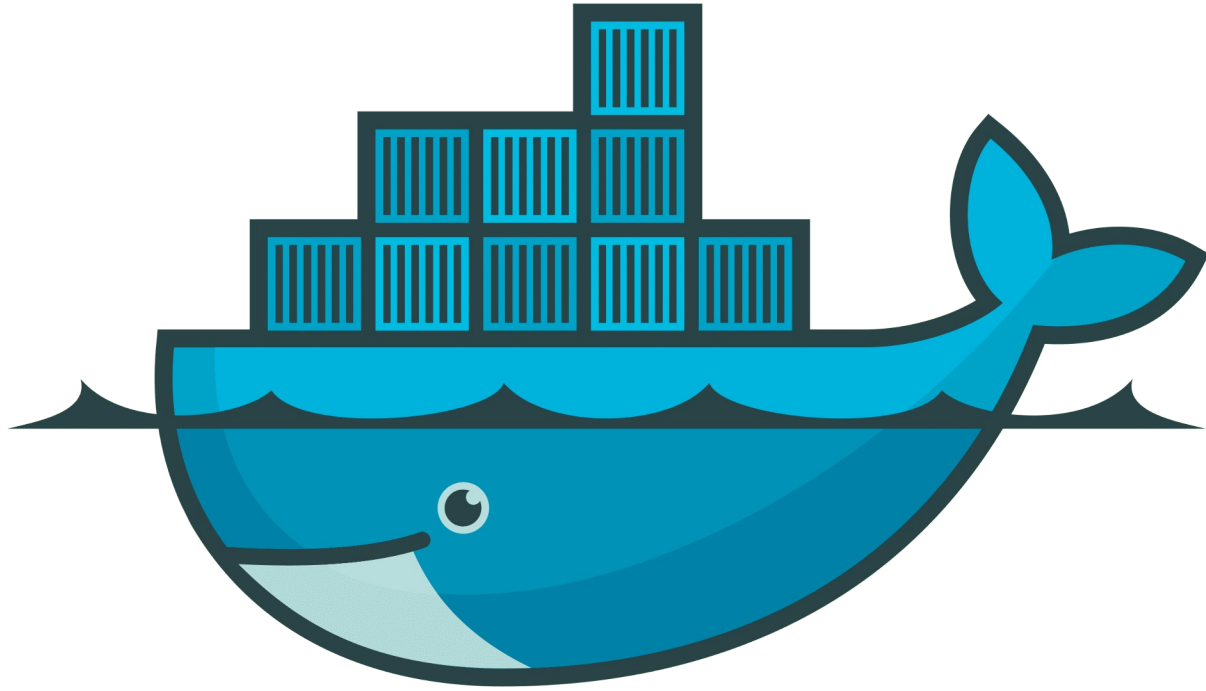


Introduction à Docker

Theo Rey

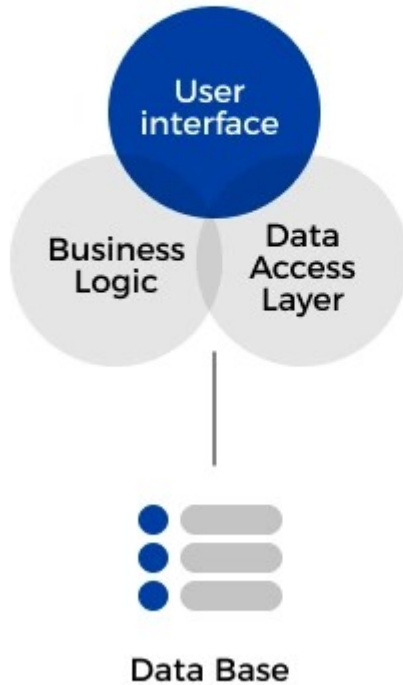
SRE / DevOps

contact@reyth.dev

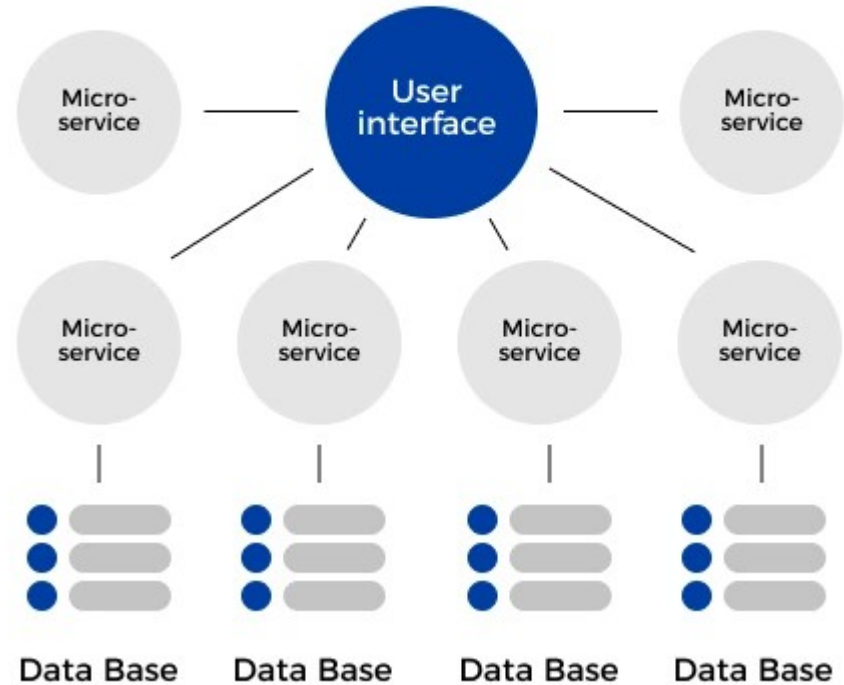


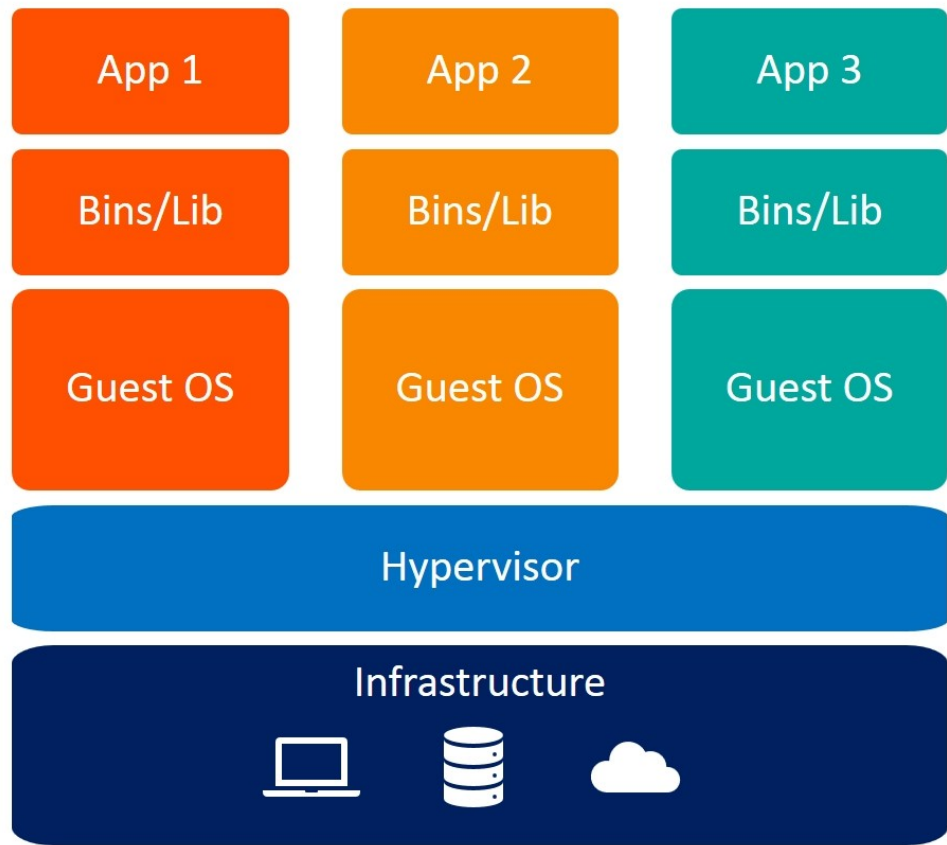
docker

MONOLITHIC ARCHITECTURE

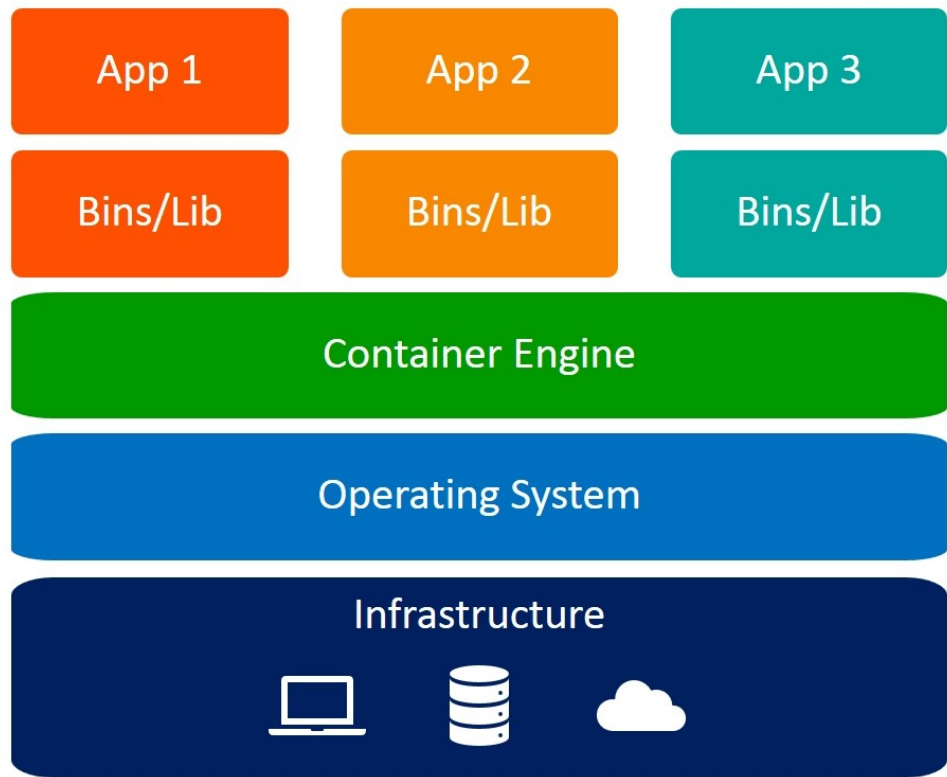


MICROSERVICE ARCHITECTURE

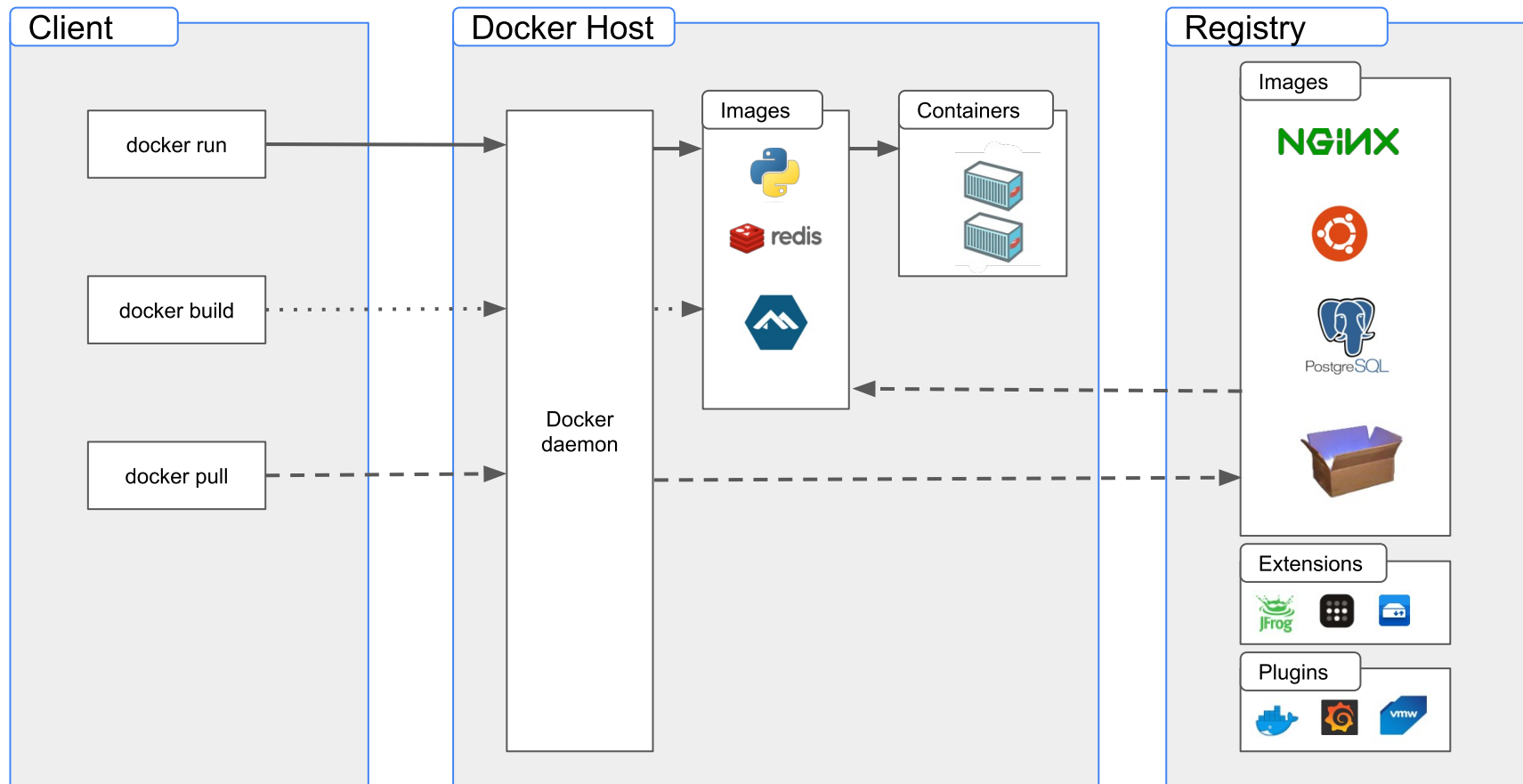




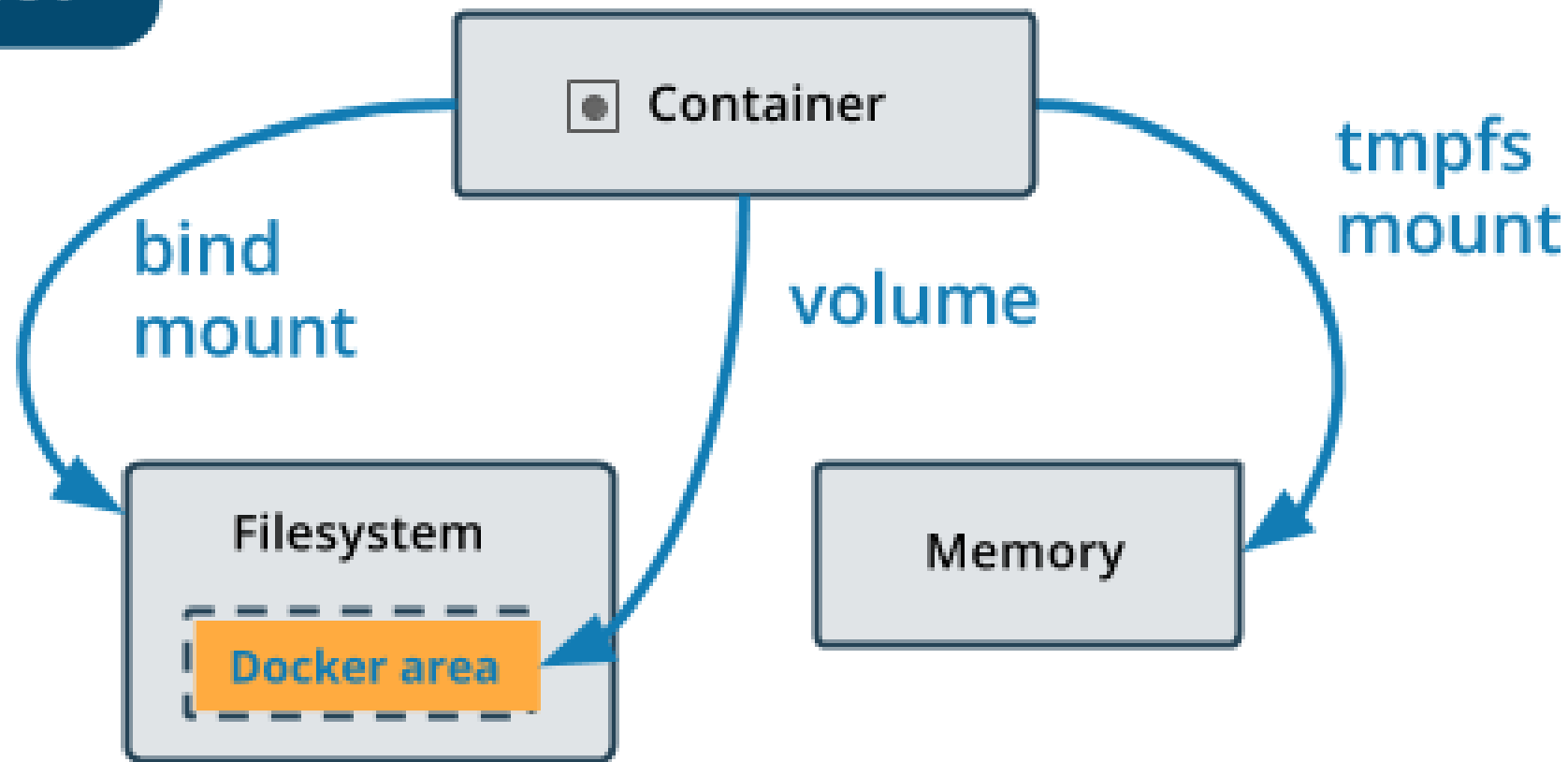
Virtual Machines



Containers



Host



Dockerfile

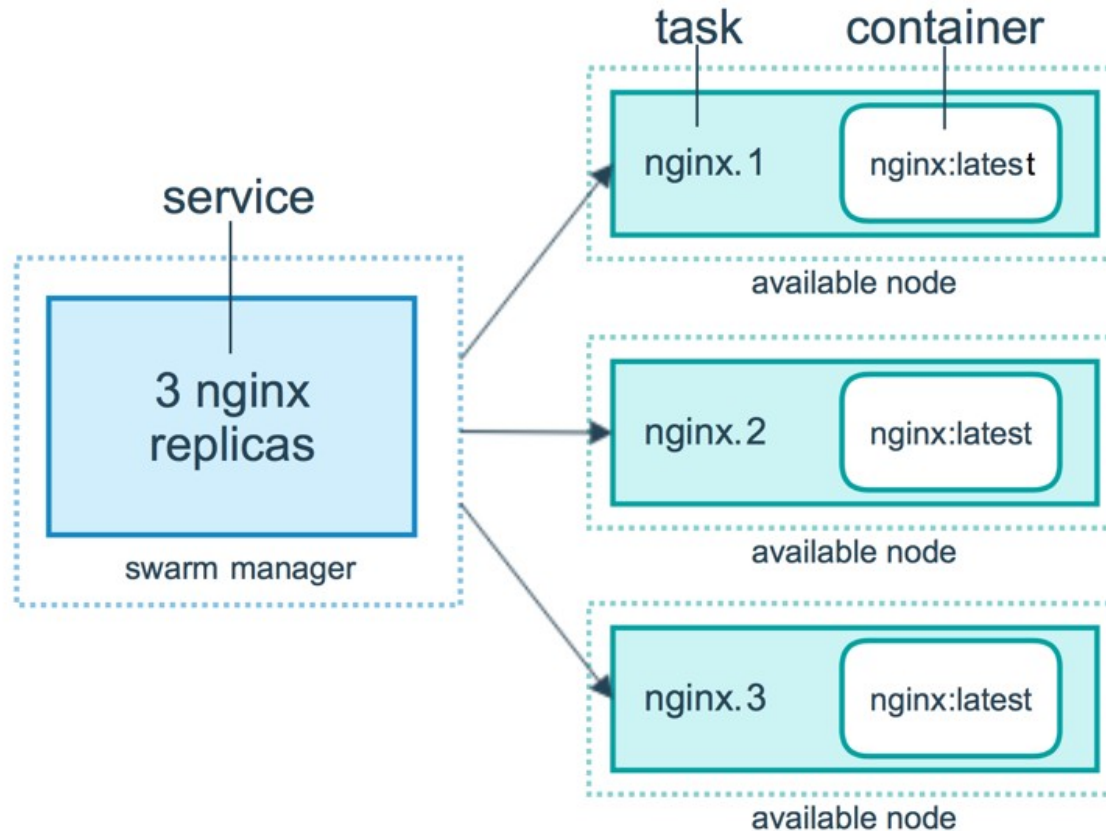
```
1  # syntax=docker/dockerfile:1
2
3  FROM node:18-alpine
4  WORKDIR /app
5  COPY . .
6  RUN yarn install --production
7  CMD ["node", "src/index.js"]
8  EXPOSE 3000
```


Docker Compose

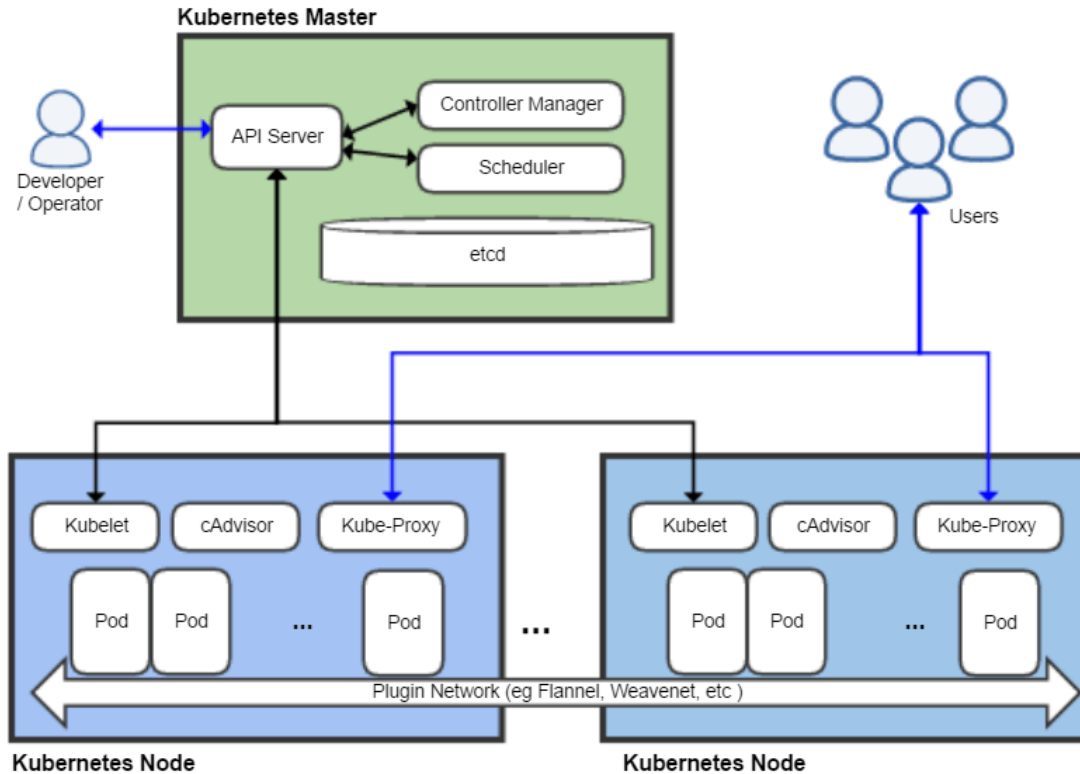
```
1  version: "3.9"
2  services:
3    web:
4      build: .
5      ports:
6        - "8000:5000"
7      volumes:
8        - ./code
9        - logvolume01:/var/log
10     depends_on:
11       - redis
12     redis:
13       image: redis
14   volumes:
15     logvolume01: {}
```

Orchestrateurs

Docker swarm



Kubernetes



Sources

- <https://www.docker.com/>
- <https://www.openlegacy.com/blog/monolithic-application>
- <https://www.weave.works/blog/a-practical-guide-to-choosing-between-docker-containers-and-vms>
- <https://fr.wikipedia.org/wiki/Kubernetes>