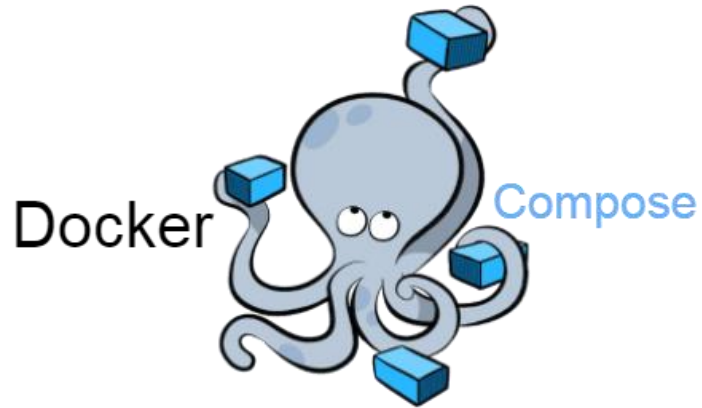


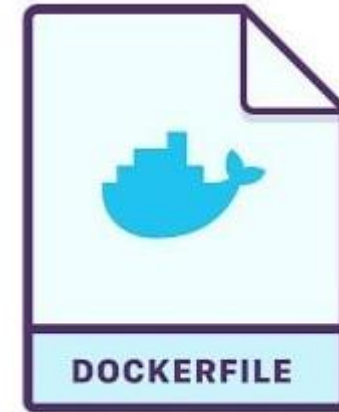
POPEYE

# DIFFERENCE BETWEEN DOCKER COMPOSE AND DOCKER FILE



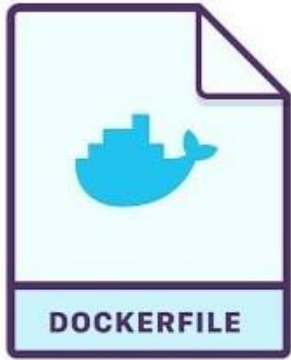
**Docker-compose**, a tool to deploy **multiple containers** at the same time

Basically, it should be remembered that Docker-compose allows to **manage a set of Docker containers** (services) within the **same configuration file** (YAML file)

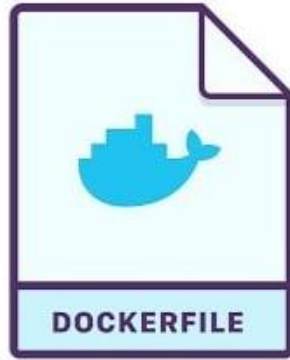


**Dockerfiles** are files that make it possible to build a **Docker image** adapted to **our needs**

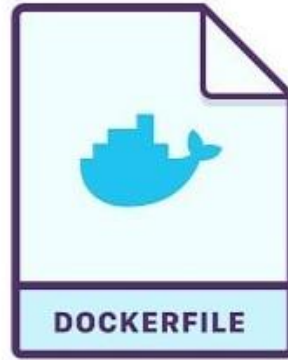
# HOW TO ACHIEVE THE SUBJECT POPEYE?



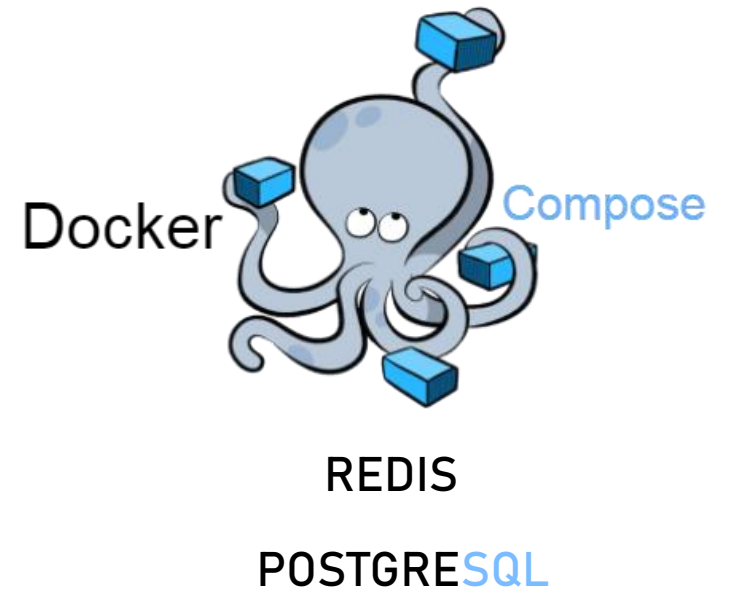
POLL



RESULT



WORKER



DOCKER-COMPOSE UP --BUILD

# POLL | DOCKERFILE



APP.PY

```
def get_redis():  
    if not hasattr(g, 'redis'):  
        g.redis = Redis(host = "127.0.0.1", db = 0, socket_timeout = 5)  
    return g.redis
```

```
def get_redis():  
    if not hasattr(g, 'redis'):  
        g.redis = Redis(host = "redis", db = 0, socket_timeout = 5)  
    return g.redis
```

CHANGE IN APP.PY

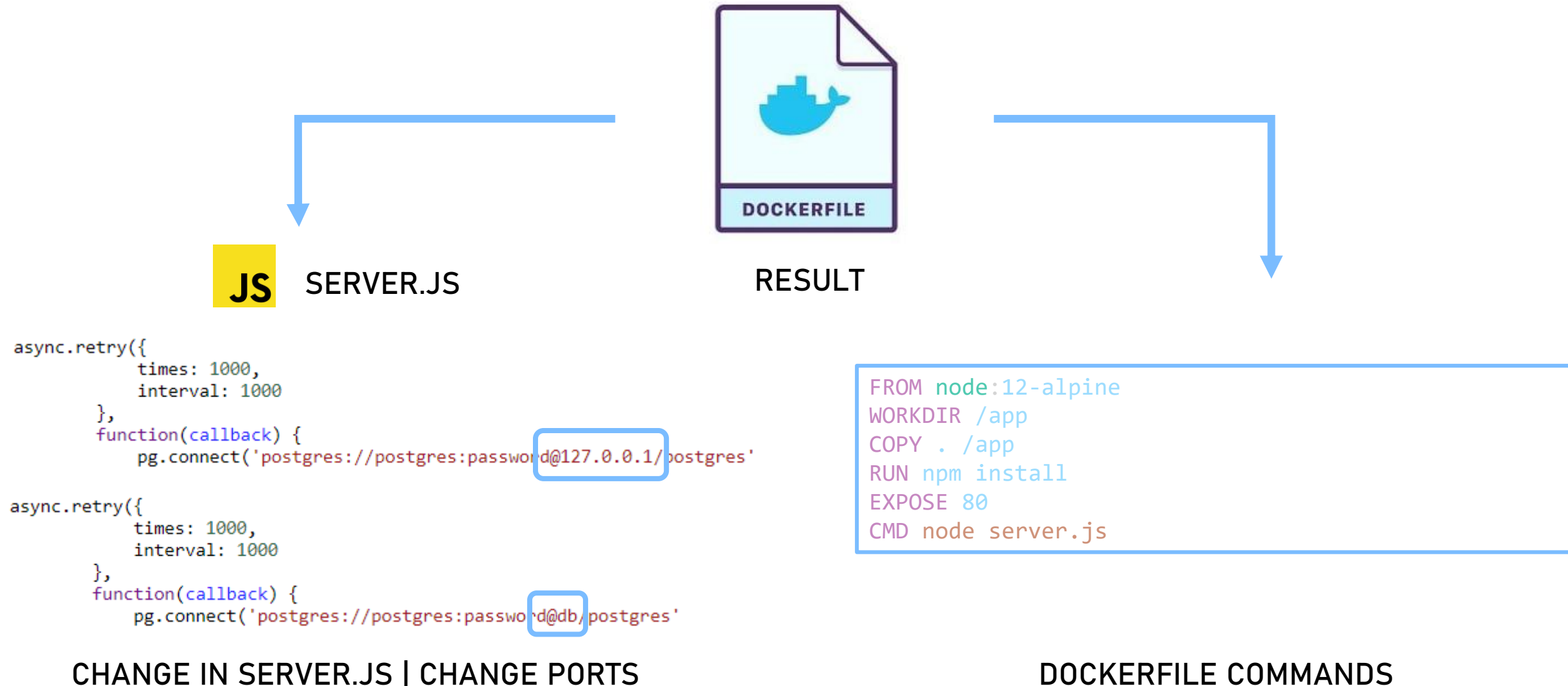


POLL

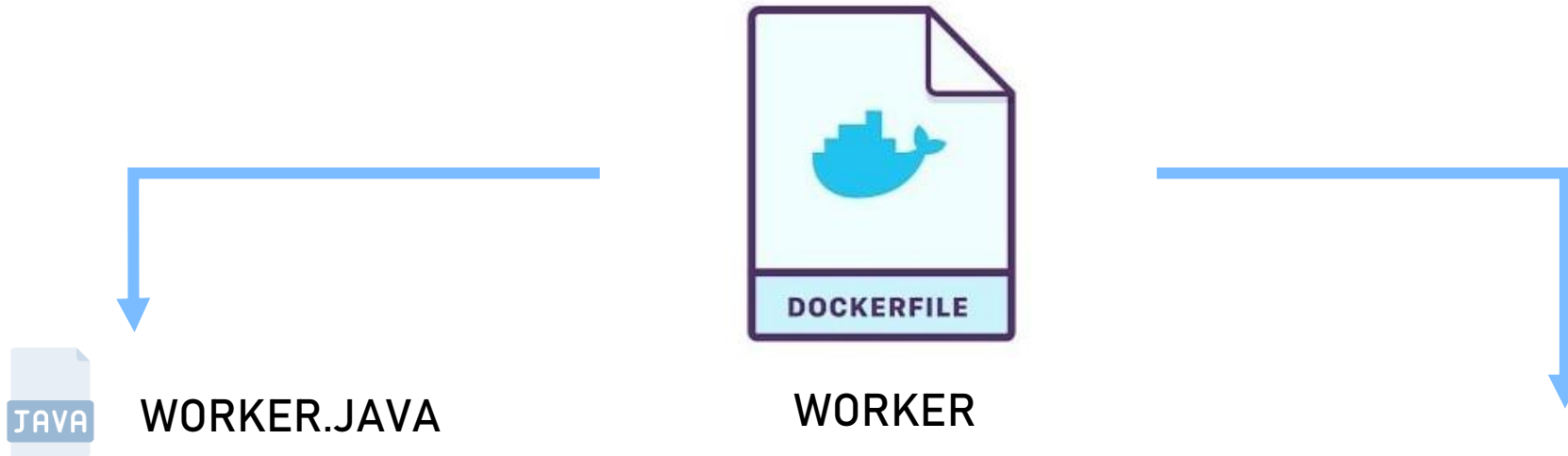
```
FROM python:latest  
WORKDIR /app  
COPY . /app  
RUN pip3 install -r requirements.txt  
EXPOSE 80  
CMD flask run --host=0.0.0.0 --port=80
```

DOCKERFILE COMMANDS

# RESULT | DOCKERFILE



# WORKER | DOCKERFILE



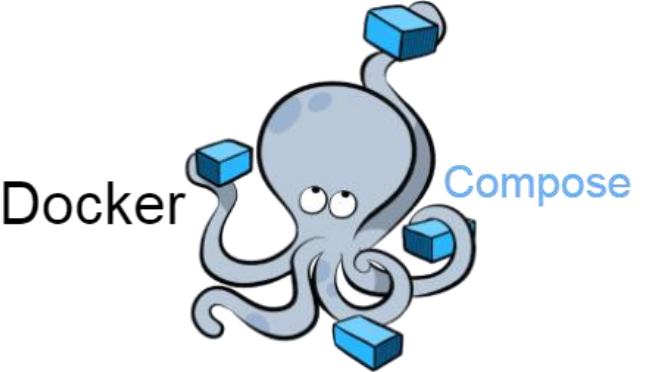
```
class Worker {  
    public static void main(String[] args) {  
        try {  
            Jedis redis = connectToRedis("127.0.0.1");  
            Connection dbConn = connectToDB("127.0.0.1");  
        }  
    }  
}  
  
class Worker {  
    public static void main(String[] args) {  
        try {  
            Jedis redis = connectToRedis("redis");  
            Connection dbConn = connectToDB("db");  
        }  
    }  
}
```

CHANGE IN WORKER.JAVA

```
FROM maven:3.5-jdk-8-alpine as builder  
WORKDIR /app  
COPY . /app  
RUN mvn dependency:resolve && mvn package  
  
FROM openjdk:8-jre-alpine  
EXPOSE 80  
COPY --from=builder /app/target/worker-jar-with-  
dependencies.jar .  
CMD java -jar worker-jar-with-dependencies.jar
```

DOCKERFILE COMMANDS

AND ? THAT'S IT



DOCKER-COMPOSE UP --BUILD

HTTP://LOCALHOST:5000

What's your favorite DevOps tool?

ANSIBLE

CHEF

PUPPET

SALTSTACK

(Tip: you can change your vote)

HTTP://LOCALHOST:5001

ANSIBLE	CHEF
100.0%	0.0%
PUPPET	SALTSTACK
0.0%	0.0%

THANK'S

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