

Docker Compose

Docker Compose란 무엇인가 ?

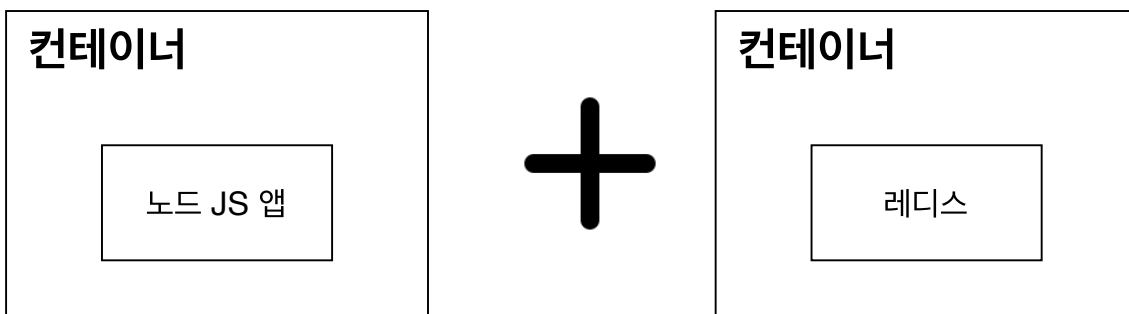


숫자가 1씩 올라갑니다. 숫자: 0

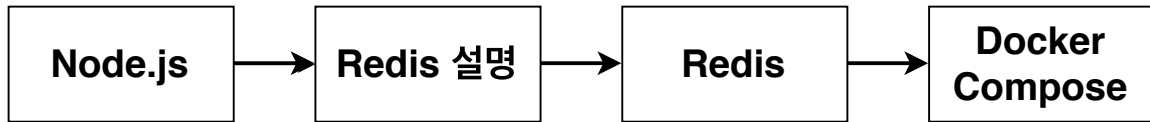


숫자가 1씩 올라갑니다. 숫자: 1

이 애플리케이션의 전체적인 구조 보기



어플리케이션 소스 작성하기



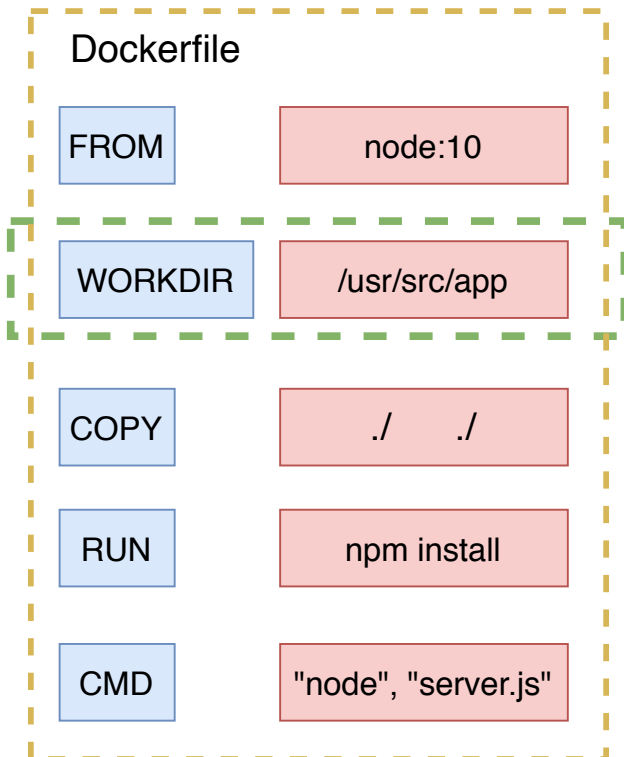
```
client.set("number", 0);

// App
const app = express();
app.get('/', (req, res) => {

  client.get("number", (err, number) => {
    res.send("Number is going up " + number);
    client.set("number", parseInt(number) + 1);
  });

});
```

Dockerfile 작성하기



```
FROM node:10
```

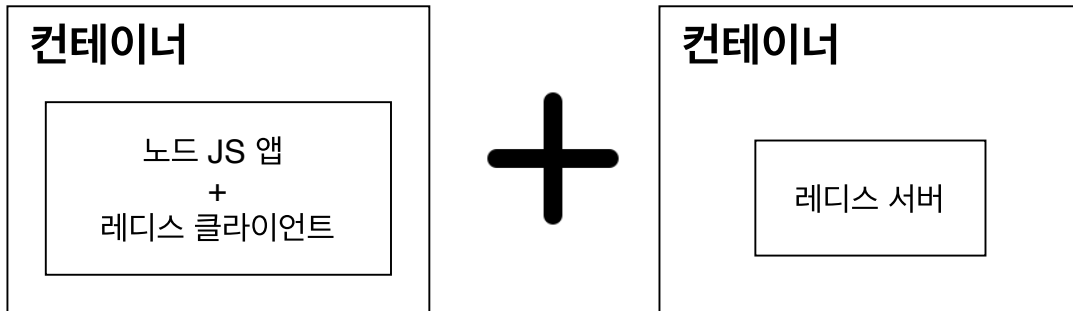
```
WORKDIR /usr/src/app
```

```
COPY ./ ./
```

```
RUN npm install
```

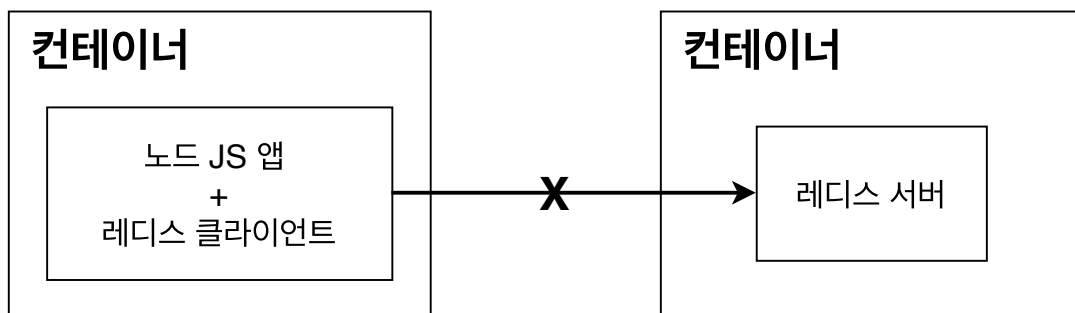
```
CMD [ "node", "server.js" ]
```

Docker Containers간 통신할 때 나타나는 에러

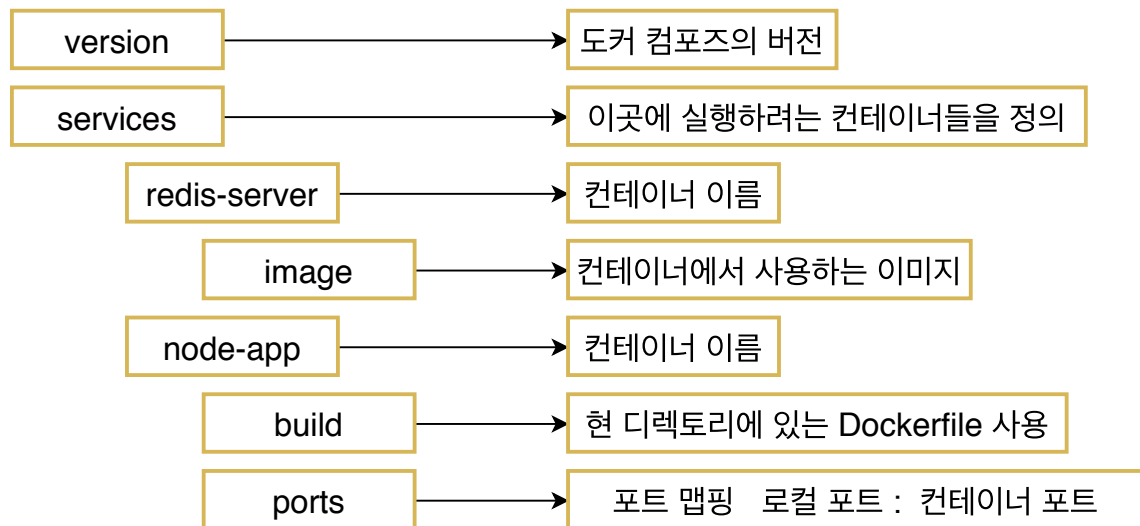
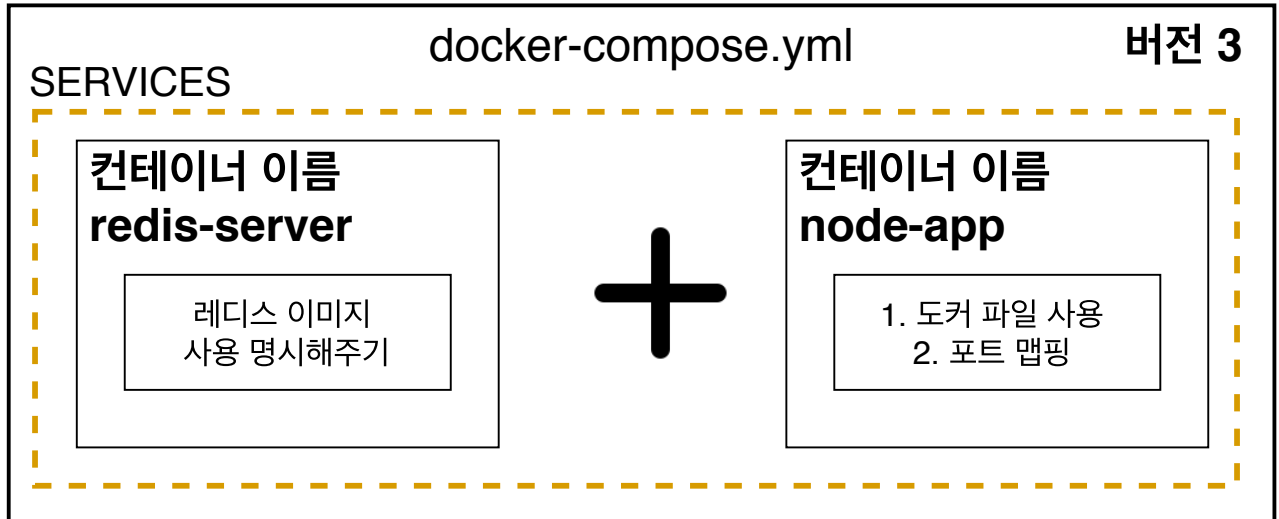


docker build -t 도커아이디/앱이름 .
docker run 이미지이름

```
Error: Redis connection to redis-server:6379 failed -  
getaddrinfo ENOTFOUND redis-server redis-server:6379  
    at GetAddrInfoReqWrap.onlookup [as oncomplete] (dns.js:56:26)  
Emitted 'error' event at:  
    at RedisClient.on_error (/usr/src/app/node_modules/redis/index.js:406:14)  
    at Socket.<anonymous> (/usr/src/app/node_modules/redis/index.js:279:14)  
    at Socket.emit (events.js:198:13)  
    at emitErrorNT (internal/streams/destroy.js:91:8)  
    at emitErrorAndCloseNT (internal/streams/destroy.js:59:3)  
    at process._tickCallback (internal/process/next_tick.js:63:19)
```



도커 Compose 파일 작성하기



docker-compose

up

docker-compose build

→ 이미지를 빌드하기만 하며, 컨테이너를 시작하지는 않는다

docker-compose up

→ 이미지가 존재하지 않을 경우에만 빌드하며, 컨테이너를 시작한다.

docker-compose up --build

→ 필요치 않을때도 강제로 이미지를 빌드하며, 컨테이너를 시작한다.

`docker-compose up --no-build`



이미지 빌드 없이, 컨테이너를 시작한다. (이미지가 없을시
실패)