Section 5

Wednesday, 20 December 2023 5:53 PM

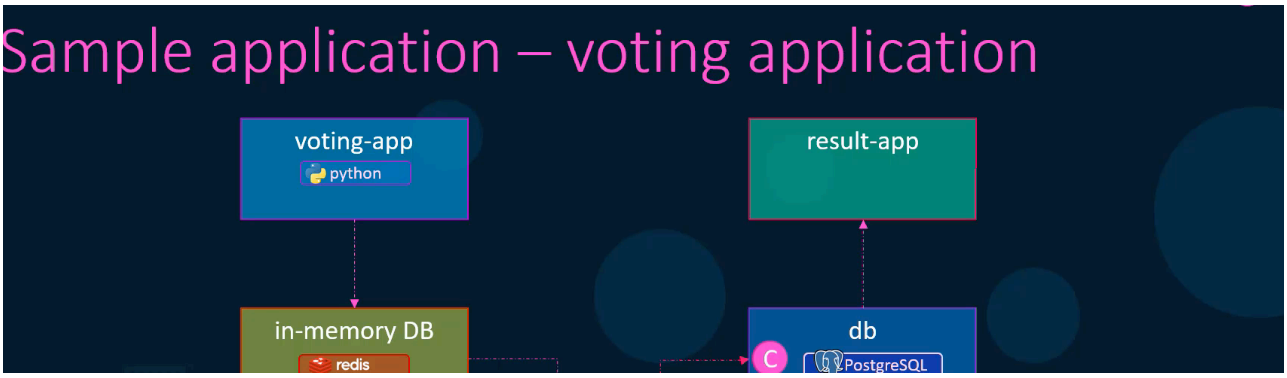
DOKCER COMPOSE

```
docker run mmumshad/my-simple-app
docker run mongodb
docker run redis:alpine
docker run ansible
```

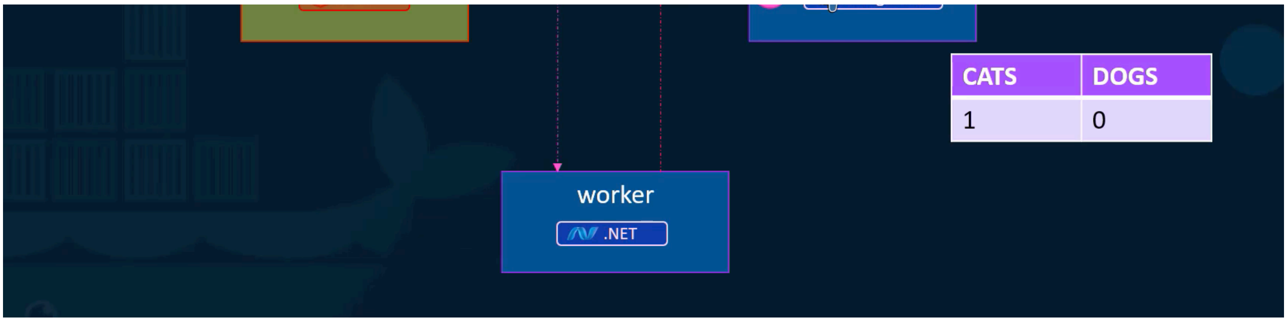
```
docker-compose.yml:
----------------------
services:
        web:
                image: mmumshad/my-simple-app
        database:
                image:"mongodb"
        messaging:
                image: "redis:alpine"
        orchestraction:
                image:ansible
```

```
->docker-compose up
```

Sample application -voting application



Sample application – voting application



CATS	DOGS
1	0

```
->docker run -d --name=redis redis
->docker run -d --name=db postgres
->docker run -d --name=vote -p 5000:80 --link redis:redis voting-app
->docker run -d --name=result-p 5001:80 --link db:db result-app
->docker run -d --name=worker --link redis:redis --link db:db  worker
```

docker-compose.yml

```
redis:
        image:redis
db :
        image: postgres:9.4
vote :
        image: voting-app
        ports:
           -   5000:80
        links:
           -   redis
result:
        image: result-app
        ports:
           -   5001:80
        link:
           -   db
worker:
        image:worker
        link:
           -   db
           -   redis
```

```
-> docker-compose up
```

➢ docker-compose up

```
redis:
        image:redis
db :
        image: postgres:9.4
vote :
        build: ./vote
        ports:
            -   5000:80
        links:
            -   redis
result:
        image: result-app
        ports:
            -   5001:80
        link:
            -   db
worker:
        image:worker
        link:
            -   db
            -   redis
```

Versions

----

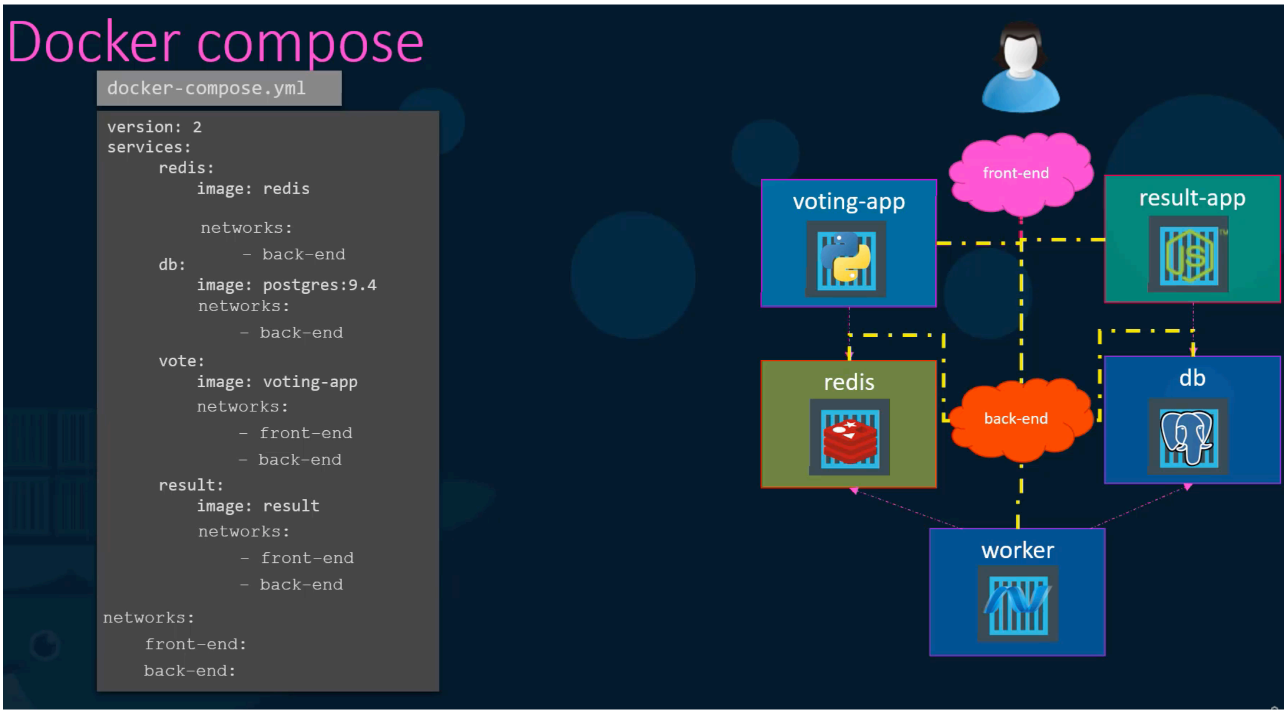
	version 1	version 2	versior
docker-compose.yml	redis: image:redis db: image:postgress:9.4 vote: image:voting-app ports: - 5000:80 links: - redis	version: 2 services: redis: image:redis db: image:postgress:9.4 vote: image:voting-app ports: - 5000:80	versior service r c v

n 3

```
n: 3
s:
edis:
        image:redis
db:
        image:postgress:9.4
vote:
        image:voting-app
        ports:
              - 5000:80
```

		depends_on: - redis	

Network:



Docker compose

docker-compose.yml

```
version: 2
services:
      redis:
           image: redis

            networks:
                 - back-end
      db:
           image: postgres:9.4
           networks:
                - back-end
      vote:
           image: voting-app
           networks:
                - front-end
                - back-end
      result:
           image: result
           networks:
                - front-end
                - back-end

networks:
     front-end:
     back-end:
```