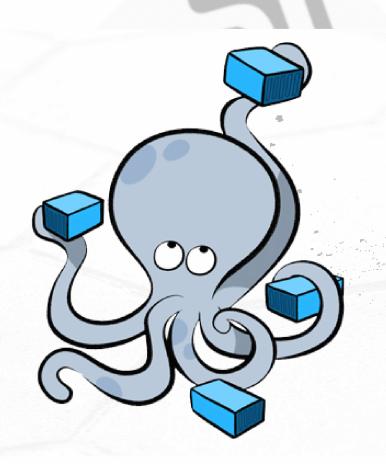
Docker Compose



```
php:
build: php
ports:
- "80:80"
- "443:443"
volumes:
- ./php/www:/var/www/html
links:
- db
```

\$ docker-compose up

Overview of Docker Compose

- Compose is a tool for defining and running multi-container Docker applications. With Compose, you use a Compose file to configure your application's services.
- Then, using a single command, you create and start all the services from your configuration.

a three-step process

- 1) Define your app's environment with a Dockerfile so it can be reproduced anywhere.
- 2) Define the services that make up your app in docker-compose.yml so they can be run together in an isolated environment.
- 3) Lastly, run docker-compose up and Compose will start and run your entire app.



YAML file

```
msgq:
    image: rabbitmq:3.5-management
    hostname: msgq
    ports:
         - "15672:15672"
results:
    image: redis:3.0.4
    hostname: results
    ports:
         - "6379:6379"
flower:
    build: .
    dockerfile: Flower.dockerfile
    ports:
         _ "5555:5555"
DevOps by SATISH @ Sathya Technologie
```

Install Docker Compose

- you'll need to install Docker first.
- \$ curl -L
 "https://github.com/docker/compose/releases/download/1.11.2/docker-compose-\$(uname -s)-\$(uname -m)" -o /usr/local/bin/docker-compose
- \$ chmod +x /usr/local/bin/docker-compose
- \$ docker-compose --version

Define the project

1) Create an empty project directory.

```
#mkdir wordpress
#cd wordpress
```

#vi docker-compose.yml

- 2) Build the project \$ docker-compose up -d
- 3) Open browser: https:\\ip:8000

```
version: '2'
services:
 db:
  image: mysql:5.7
  volumes:
   db_data:/var/lib/mysql
  restart: always
  environment:
   MYSQL_ROOT_PASSWORD: wordpress
   MYSQL_DATABASE: wordpress
   MYSQL_USER: wordpress
   MYSQL_PASSWORD: wordpress
 wordpress:
  depends_on:
   - db
  image: wordpress:latest
  ports:
   - "8000:80"
  restart: always
  environment:
   WORDPRESS_DB_HOST: db:3306
   WORDPRESS_DB_PASSWORD: wordpress
volumes:
  db data:
```