

docker-compose自定义网络，固定容器ip地址

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展开

由于默认的bridge桥接网络，重启容器后会改变ip地址。在一些场景下我们希望固定容器IP地址。

docker-compose是docker的一个编排工具，相对于命令模式创建网络，容器等。使用配置文件相对来说更方便，可追溯问题。

直接粘贴docker-compose.yml文件

```
version: '2'
services:
  nginx:
    image: nginx:1.13.12
    container_name: nginx
    restart: always
    tty: true
    networks:
      extnetwork:
        ipv4_address: 172.19.0.2

networks:
  extnetwork:
    ipam:
      config:
        - subnet: 172.19.0.0/16
          gateway: 172.19.0.1
```

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说明:

gateway是网关地址

subnet是网络号段

extnetwork是自定义的网络名称

上面配置中我们的nginx容器固定ip为172.19.0.2

示例, 自定义网络模式:

version: '2'

services:

nginx:

image: nginx:1.13.12

container_name: nginx

restart: always

networks:

extnetwork:

ports:

- 80:80

volumes:

- '/nginx/conf.d:/etc/nginx/conf.d'

nginx2:

image: nginx:1.13.12

container_name: nginx2

restart: always

networks:

extnetwork:

ipv4_address: 172.19.0.2

db:

image: mysql:5.7

container_name: db

volumes:

- /var/lib/mysql:/var/lib/mysql

restart: always

networks:

extnetwork:

ports:

- 3306:3306

environment:

MYSQL_ROOT_PASSWORD: wordpress

MYSQL_DATABASE: wordpress

MYSQL_USER: wordpress

MYSQL_PASSWORD: wordpress

```
wordpress:
  image: wordpress:latest
  container_name: wordpress
  depends_on:
    - db
  ports:
    - "8000:80"
  restart: always
  networks:
    extnetwork:
  environment:
    WORDPRESS_DB_HOST: db:3306
    WORDPRESS_DB_NAME: wordpress
    WORDPRESS_DB_USER: wordpress
    WORDPRESS_DB_PASSWORD: wordpress
networks:
  extnetwork:
    ipam:
      config:
        - subnet: 172.19.0.0/16
          gateway: 172.19.0.1
```