



链滴

更改 Docker 容器端口映射 (创建, 替换, 修改, 运行时)

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原文链接: <https://ld246.com/article/1539443516942>

来源网站: 链滴

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

我们的目标是星辰大海——更改Docker容器端口映射

以下方法在Ubuntu16.04下测试通过

但我觉得还是蛮通用的

1.创建容器时的端口映射

```
docker run -d -p 80:80 --name name
```

2.替换容器,需要停止容器

```
$ docker stop A
$ docker commit A imageA
$ docker rm A
$ docker run -d -p 80:80 --name A imageA
```

3.修改容器的配置,需要重启DOCKER服务,否则会失败

1. 停止容器,停止服务(systemctl stop docker/service docker stop)

```
$ docker stop A
$ systemctl stop docker
```

2. 修改 /var/lib/docker/containers/{容器ID+一些字符串}/hostconfig.json中

```
"PortBindings":{"容器端口/tcp":[{"HostIp":"","HostPort":"宿主机端口"}]}
```

同时修改同目录下的config.v2.json中 "ExposedPorts":{"容器端口/tcp":{}}

```
"Ports":{"容器端口/tcp":[{"HostIp":"0.0.0.0","HostPort":"宿主机端口"}]}
```

3. 重启服务,启动容器(systemctl start docker/service docker start)

```
$ systemctl start docker
$ docker start A
```

例hostconfig.json已删除不相关配置,只保留格式

```
{
  "Config": {
    "ExposedPorts": {
      "5700/tcp": {},
      "6700/tcp": {},
      "9000/tcp": {}
    }
  },
}
```

```
"NetworkSettings": {
  "Ports": {
    "5700/tcp": [{
      "HostIp": "0.0.0.0",
      "HostPort": "10086"
    }],
    "6700/tcp": [{
      "HostIp": "0.0.0.0",
      "HostPort": "6700"
    }],
    "9000/tcp": [{
      "HostIp": "0.0.0.0",
      "HostPort": "8080"
    }]
  }
}
```

例config.v2.json已删除不相关配置,只保留格式

```
{
  "PortBindings": {
    "5700/tcp": [{
      "HostIp": "",
      "HostPort": "10086"
    }],
    "6700/tcp": [{
      "HostIp": "",
      "HostPort": "6700"
    }],
    "9000/tcp": [{
      "HostIp": "",
      "HostPort": "8080"
    }]
  }
}
```

4.在容器运行时添加映射

`iptables -t nat -A DOCKER -p tcp --dport 宿主机端口 -j DNAT --to-destination 容器ip:容器端口`

查看容器ip

`docker inspect --format='{{.NetworkSettings.IPAddress}}' $(docker ps -a -q)`

参考:<https://stackoverflow.com/questions/19335444/how-do-i-assign-a-port-mapping-to-an-existing-docker-container>