

0. 环境设置

0.1 配置过程

- Ubuntu-Seed 16.04
- 攻击机 IP: 172.17.0.1 (主机)
- 用户机 IP: 172.17.0.2 (docker 容器 User)
- 服务机 IP: 172.17.0.3 (docker 容器 Server)
- 容器的创建和使用:

```
1 # 查看容器
2 sudo docker ps -a
3 # 创建并运行容器
4 sudo docker run -it --name=Server --hostname=Server --privileged
  "seedubuntu" /bin/bash
5 sudo docker run -it --name=User --hostname=User --privileged
  "seedubuntu" /bin/bash
6 # 运行容器
7 sudo docker start User
8 sudo docker exec -it User /bin/bash
9 sudo docker start Server
10 sudo docker exec -it Server /bin/bash
11 # 关闭容器
12 sudo docker stop User
13 sudo docker stop Server
14 # 删除容器
15 sudo docker rm User
16 sudo docker rm Server
```

0.2 配置结果

- 查看所有容器

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
a7be6daa3448	seedubuntu	"/bin/bash"	7 seconds ago	Exited (0) 4 seconds ago		User
4d6217b7eb55	seedubuntu	"/bin/bash"	13 seconds ago	Exited (0) 11 seconds ago		Server

- 查看攻击机的 IP

```
[04/10/22]seed@VM:~/.../2022.04.08.TCP$ ifconfig
docker0  Link encap:以太网  硬件地址 02:42:b7:19:49:94
         inet 地址:172.17.0.1  广播:0.0.0.0  掩码:255.255.0.0
         inet6 地址: fe80::42:b7ff:fe19:4994/64 Scope:Link
         UP BROADCAST RUNNING MULTICAST  MTU:1500  跃点数:1
         接收数据包:439  错误:0  丢弃:0  过载:0  帧数:0
         发送数据包:136  错误:0  丢弃:0  过载:0  载波:0
         碰撞:0  发送队列长度:0
         接收字节:25163 (25.1 KB)  发送字节:13069 (13.0 KB)
```

- 查看用户机的 IP

```
root@User:/# ifconfig
eth0      Link encap:Ethernet  HWaddr 02:42:ac:11:00:02
          inet addr:172.17.0.2  Bcast:0.0.0.0  Mask:255.255.0.0
          inet6 addr: fe80::42:acff:fe11:2/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:34 errors:0 dropped:0 overruns:0 frame:0
          TX packets:8 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:4750 (4.7 KB)  TX bytes:648 (648.0 B)
```

- 查看服务机的 IP

```
root@Server:/# ifconfig
eth0      Link encap:Ethernet  HWaddr 02:42:ac:11:00:03
          inet addr:172.17.0.3  Bcast:0.0.0.0  Mask:255.255.0.0
          inet6 addr: fe80::42:acff:fe11:3/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:26 errors:0 dropped:0 overruns:0 frame:0
          TX packets:8 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:4102 (4.1 KB)  TX bytes:648 (648.0 B)
```