VPN Lab

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Task1

```
6dce2baf1ba9 host-192.168.60.5
23bfd1a05d6d client-10.9.0.5
019ac962d578 server-router
Host U 可以连上 VPN Server. 但不能与 Host V 通信:
[07/28/21]seed@VM:~/.../Labsetup$ docksh 23b
root@23bfdla05d6d:/# ping 10.9.0.11
PING 10.9.0.11 (10.9.0.11) 56(84) bytes of data.
64 bytes from 10.9.0.11: icmp seq=1 ttl=64 time=0.917 ms
64 bytes from 10.9.0.11: icmp seq=2 ttl=64 time=0.156 ms
64 bytes from 10.9.0.11: icmp seq=3 ttl=64 time=0.305 ms
64 bytes from 10.9.0.11: icmp seq=4 ttl=64 time=0.161 ms
64 bytes from 10.9.0.11: icmp seq=5 ttl=64 time=0.161 ms
64 bytes from 10.9.0.11: icmp seq=6 ttl=64 time=0.192 ms
64 bytes from 10.9.0.11: icmp seg=7 ttl=64 time=0.181 ms
--- 10.9.0.11 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6098ms
rtt min/avg/max/mdev = 0.156/0.296/0.917/0.257 ms
root@23bfd1a05d6d:/# ping 192.168.60.5
PING 192.168.60.5 (192.168.60.5) 56(84) bytes of data.
```

[07/28/21]seed@VM:~/.../Labsetup\$ dockps

5da09d8c85f3 host-192.168.60.6

VPN Server 可以与 Host V 通信:

--- 192.168.60.5 ping statistics ---

```
[07/28/21]seed@VM:~/.../Labsetup$ docksh 019
root@019ac962d578:/# ping 192.168.60.5
PING 192.168.60.5 (192.168.60.5) 56(84) bytes of data.
64 bytes from 192.168.60.5: icmp_seq=1 ttl=64 time=0.176 ms
64 bytes from 192.168.60.5: icmp_seq=2 ttl=64 time=0.095 ms
64 bytes from 192.168.60.5: icmp_seq=3 ttl=64 time=0.083 ms
64 bytes from 192.168.60.5: icmp_seq=4 ttl=64 time=0.067 ms
64 bytes from 192.168.60.5: icmp_seq=5 ttl=64 time=0.143 ms
64 bytes from 192.168.60.5: icmp_seq=6 ttl=64 time=0.158 ms
64 bytes from 192.168.60.5: icmp_seq=7 ttl=64 time=0.058 ms
67 c
--- 192.168.60.5 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6153ms
rtt min/avg/max/mdev = 0.058/0.111/0.176/0.043 ms
```

48 packets transmitted, 0 received, 100% packet loss, time 48130ms

监听各个网络的流量:

root@019ac962d578:/# tcpdump -i eth0 -n tcpdump: verbose output suppressed, use -v or -vv for full protocol deco listening on eth0, link-type EN10MB (Ethernet), capture size 262144 bytes

02:39:26.563591 IP 10.9.0.1.5353 > 224.0.0.251.5353: 0 [9q] PTR (QM)? _ipps._tcp.local. PTR (QM)? _ftp._tcp.local. PTR (QM)? webdav._tcp.local. PTR (QM)? _mfs._tcp.local. PTR (QM)? _sftp-ssh._tcp.local. PTR (QM)? _smb._tcp.local. PTR (QM)? _afpo vertcp._tcp.local. PTR (QM)? _nfs._tcp.local. PTR (QM)? _ipps._tcp.local. PTR (QM)? _ipps._tcp.local. PTR (QM)? _smb._tcp.local. PTR (QM)? _sftp-ssh._tcp.local. PTR (QM)? _smb._tcp.local. PTR (QM)? _sftp-ssh._tcp.local. PTR (QM)? _smb._tcp.local. PTR (QM)? _sftp-ssh._tcp.local. PTR (QM)? _smb._tcp.local. PTR (QM)? _afpovertcp._tcp.local. PTR (QM)? _nfs._tcp.local. PTR (QM)? _ipps._tcp.local. PTR (QM)? _smb._tcp.local. PTR (QM)? _sftp-ssh._tcp.local. PTR (QM)? _smb._tcp.local. PTR (QM)? _smb._tcp.loc

Task2