

SSH tunnel

集縮比

PT penetration test 滲透測試 白帽

堆疊技術 stacking 把多個電腦堆疊成一個機器

3x4架構

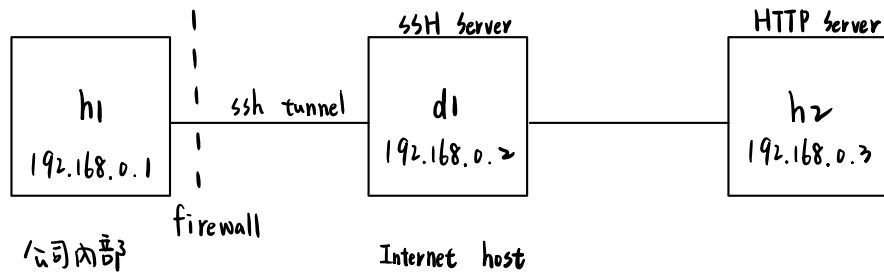
Core layer 匯集理工大樓的各個科系

Distribution layer 匯集資工系的流量

Access layer 交換機 匯集一間電腦教室

Test~
SSH Tunnel

翻牆翻出



- mininet script
- lab2.py

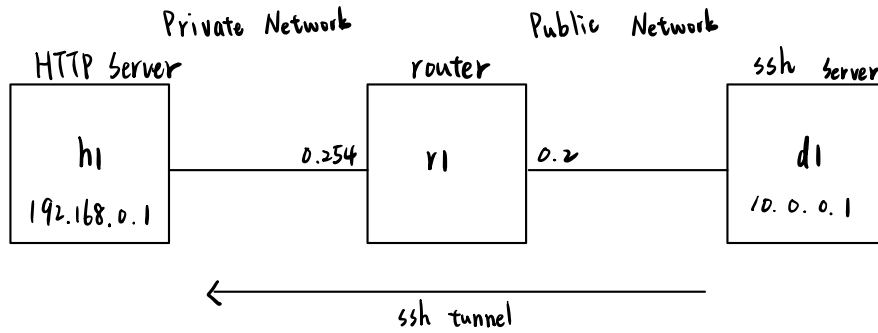
```
# python3 lab2.py
```

```
> xterm h1
> d2 ifconfig
192.168.0.3
```

```
h1
# curl 192.168.0.3
x
# ssh -f -L 5555:192.168.0.3:80 user@192.168.0.2
user
# netstat -tunlp | grep 5555
```

```
# curl 127.0.0.1:5555
# firefox
firefox search 127.0.0.1:5555
```

Remote Port Forwarding 翻牆翻進來



• lab3.py

```
# python3 lab3.py
```

terminal

```
# docker exec -it mn.d1 bash
```

```
/# ping 192.168.0.1
```

```
/# curl 192.168.0.1
```

抓不到

```
> xterm h1
```

h1

```
# ssh -Nf -R 10.0.0.1:5555:192.168.0.1:80 user@10.0.0.1:5555
```

user

```
# python -m SimpleHTTPServer 80
```

terminal

```
/# curl 127.0.0.1:5555
```