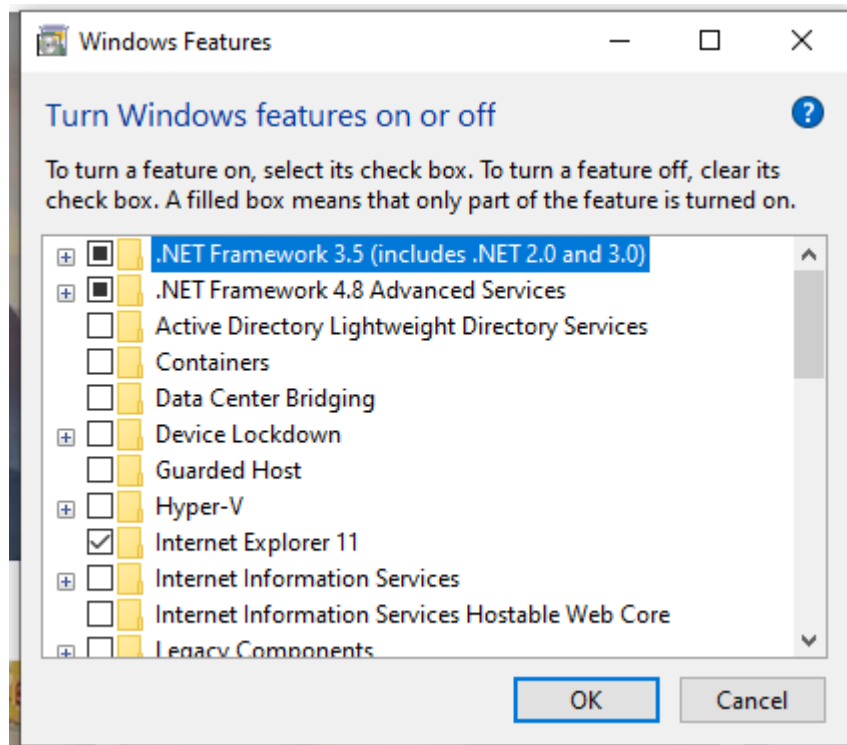


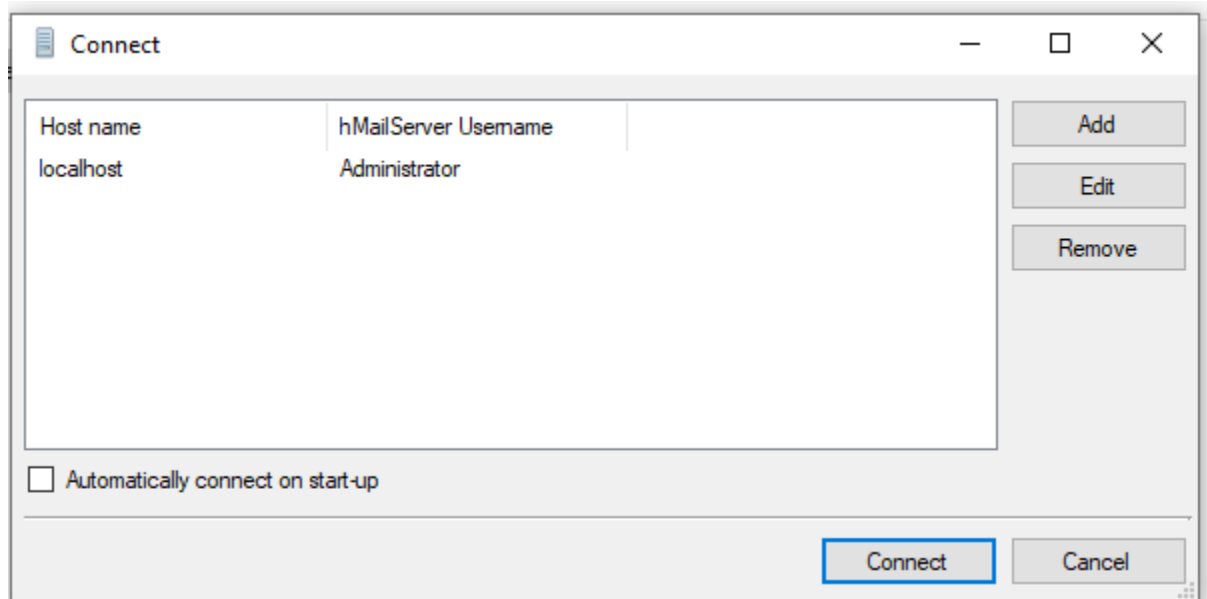
Kịch bản honeypot ở localnet: kịch bản này ta sẽ xây dựng một mail server đơn giản ở Windows để nhận alert từ honeypot **Kfsensor**, bao gồm mail server, client lần lượt là hmailserver, thunderbird.

1. Cài đặt

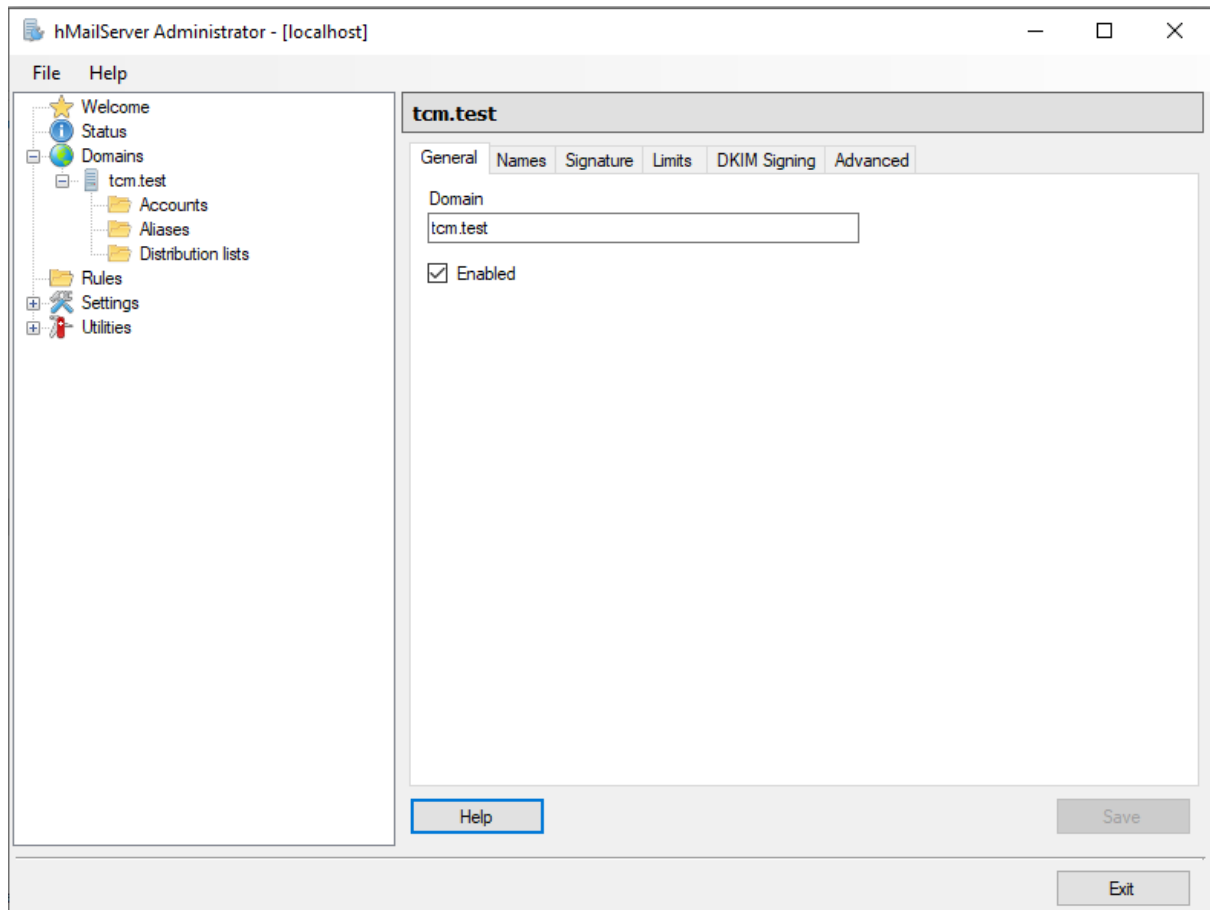
- Enable feature .NET 3.5 của Windows (mặc định sẽ tắt) dùng để cài đặt **hmailserver**.



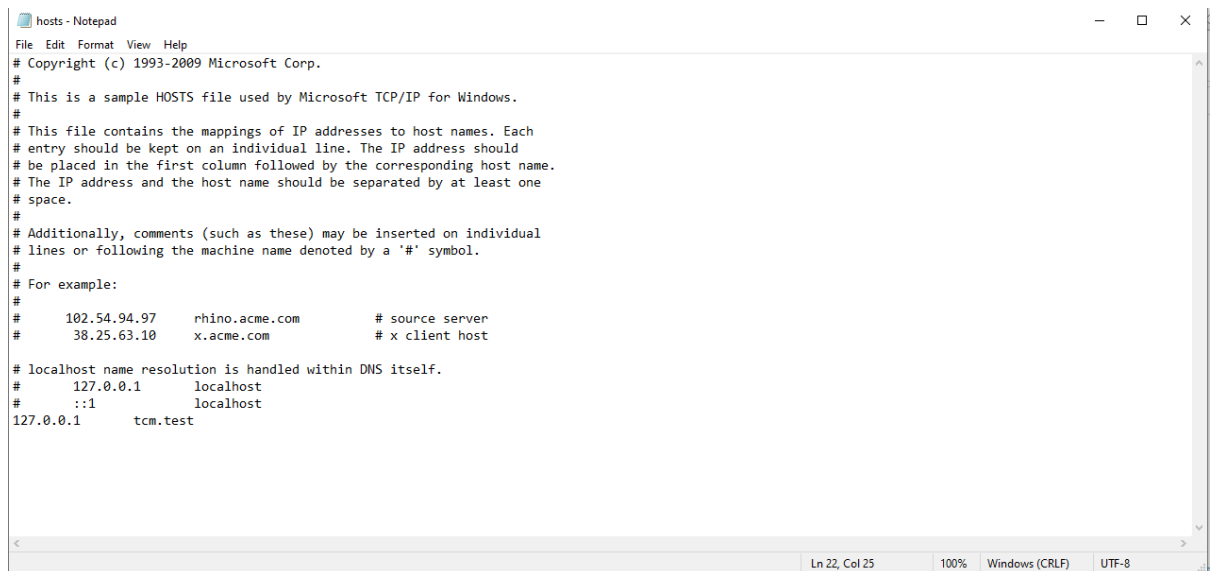
- Cài đặt hmailserver
 - Giao diện kết nối của **hmailserver** sau khi cài đặt



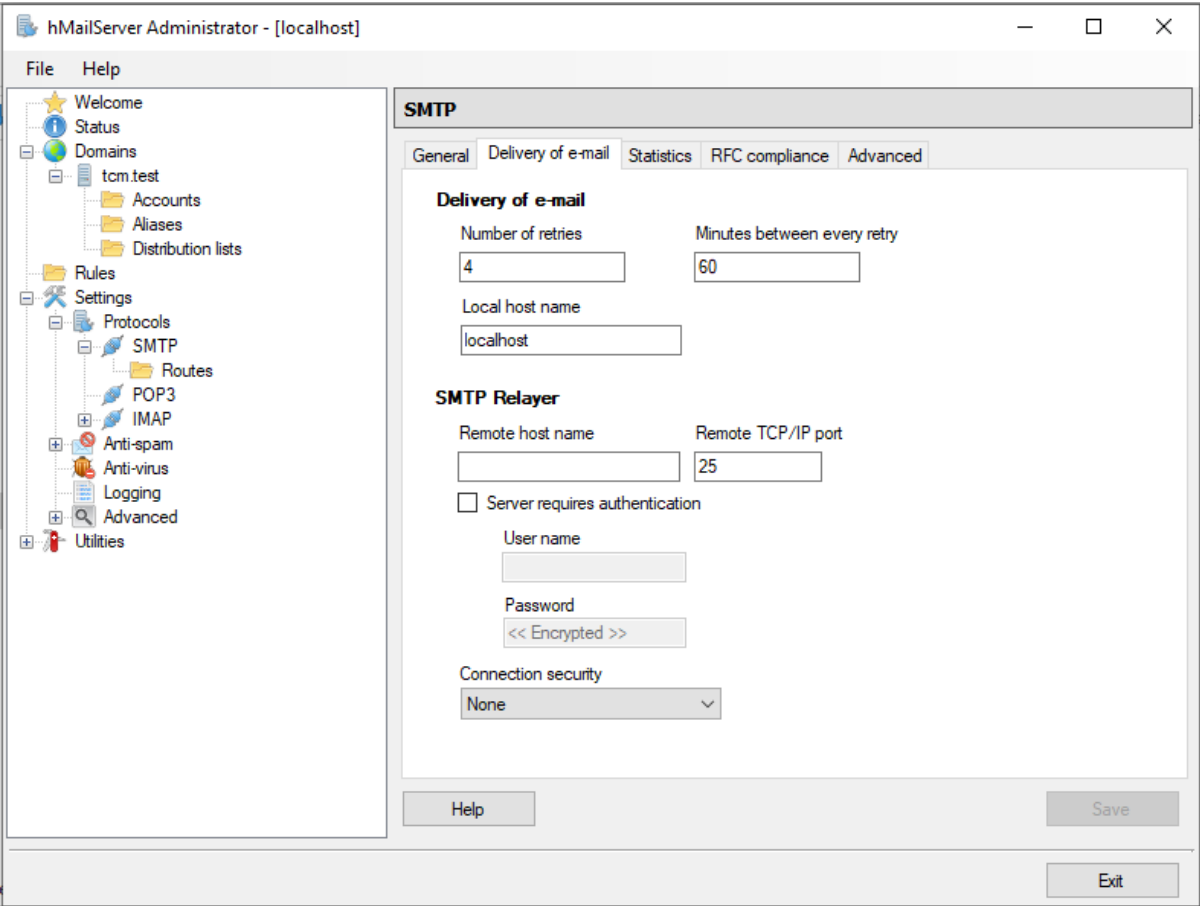
- Tạo domain **tcm.test**



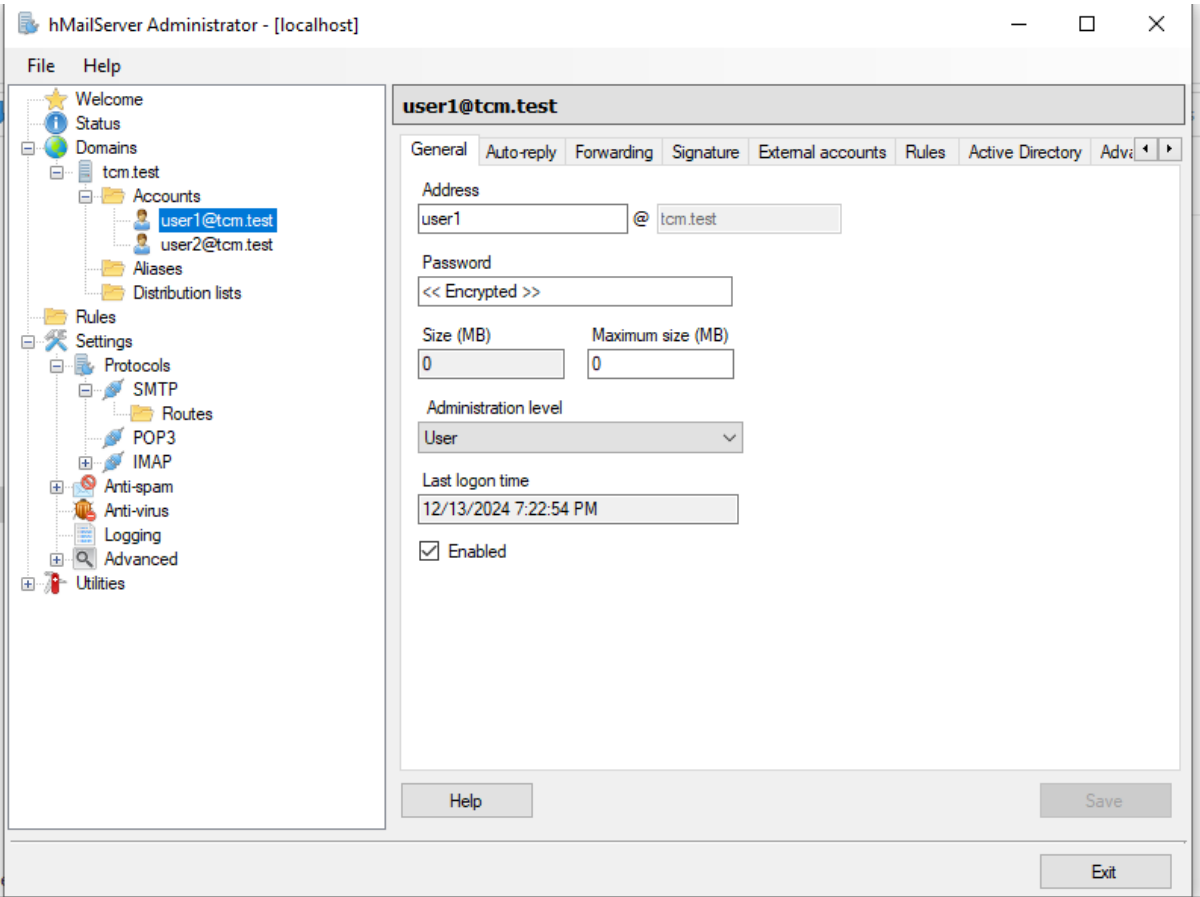
- Thêm domain vào file host của Windows



- Thêm hostname vào phần SMTP

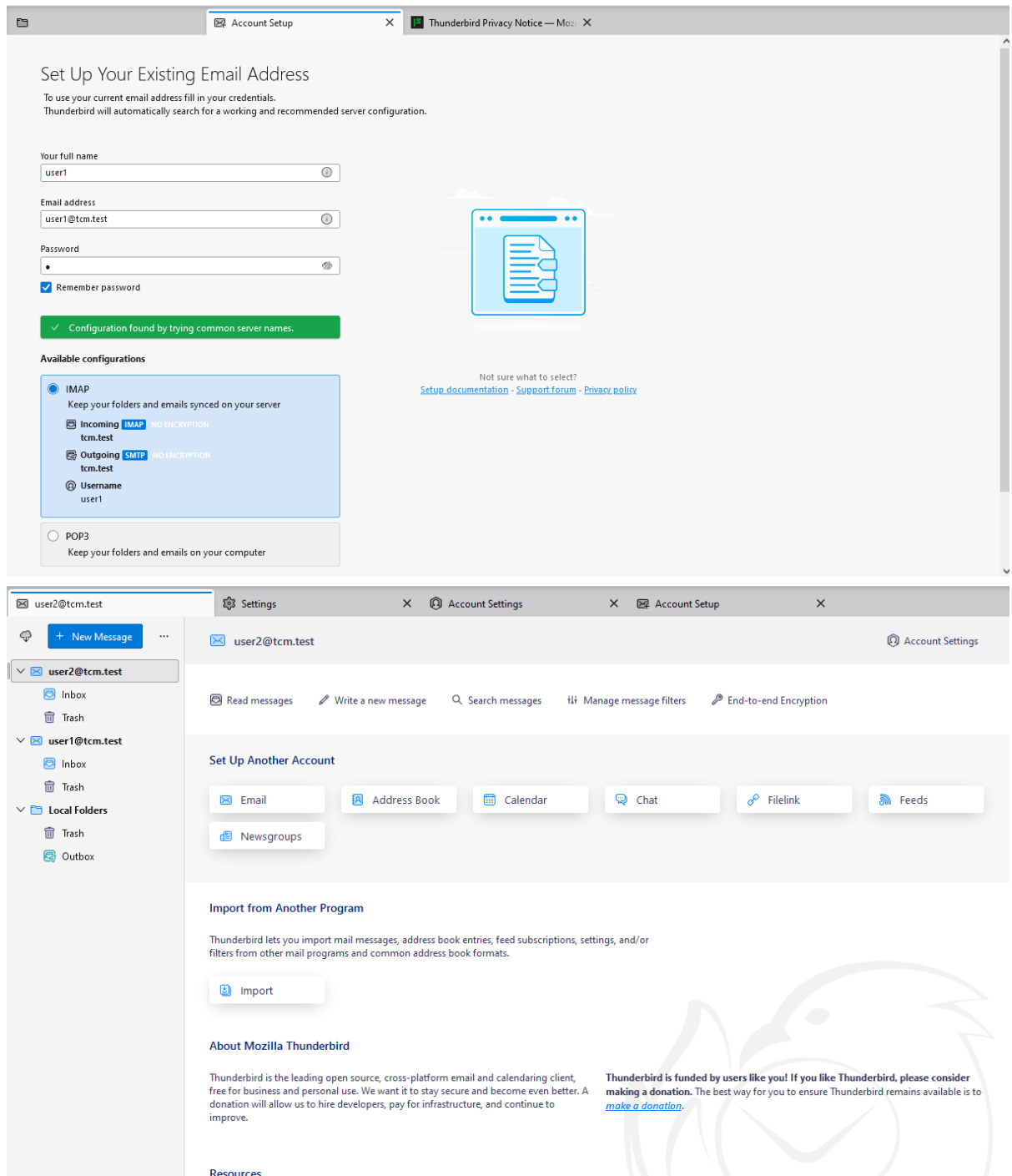


- Tạo 2 account để test

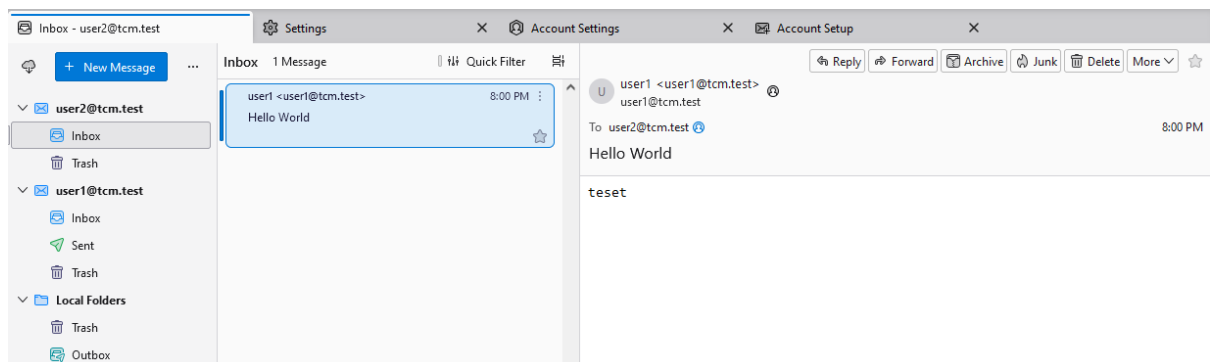


- Cài đặt thunderbird

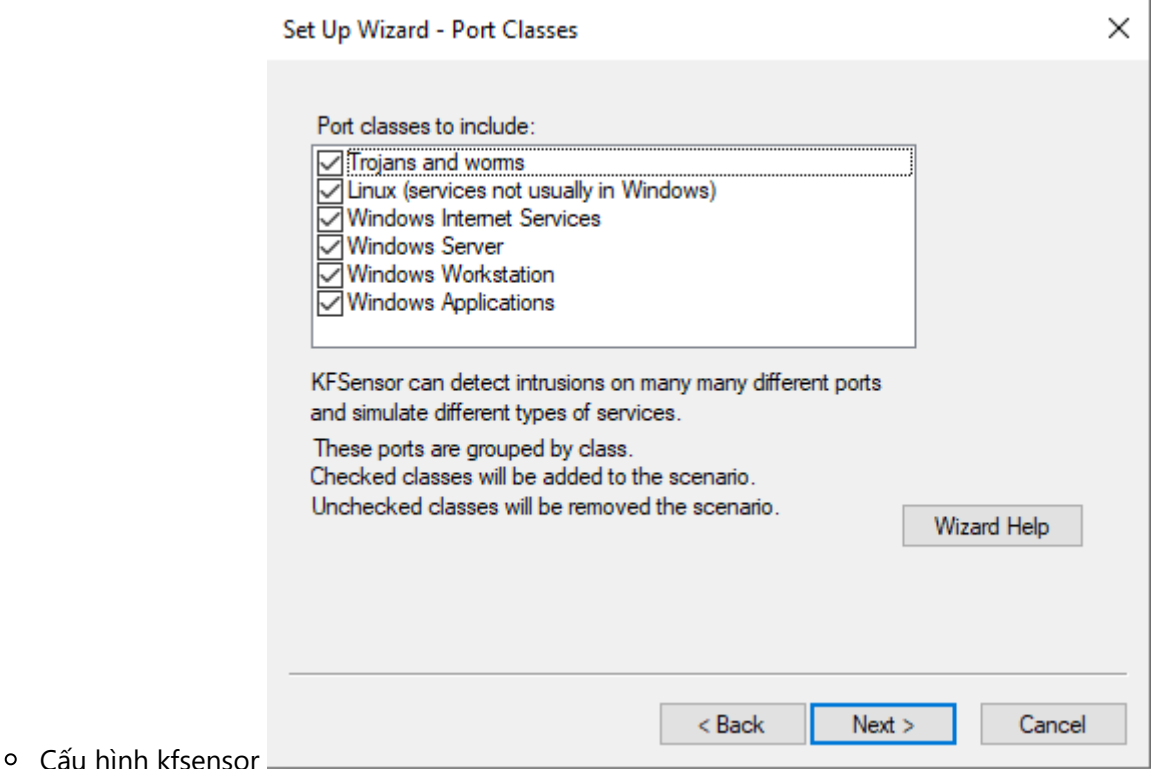
◦ Thêm account vào thunderbird



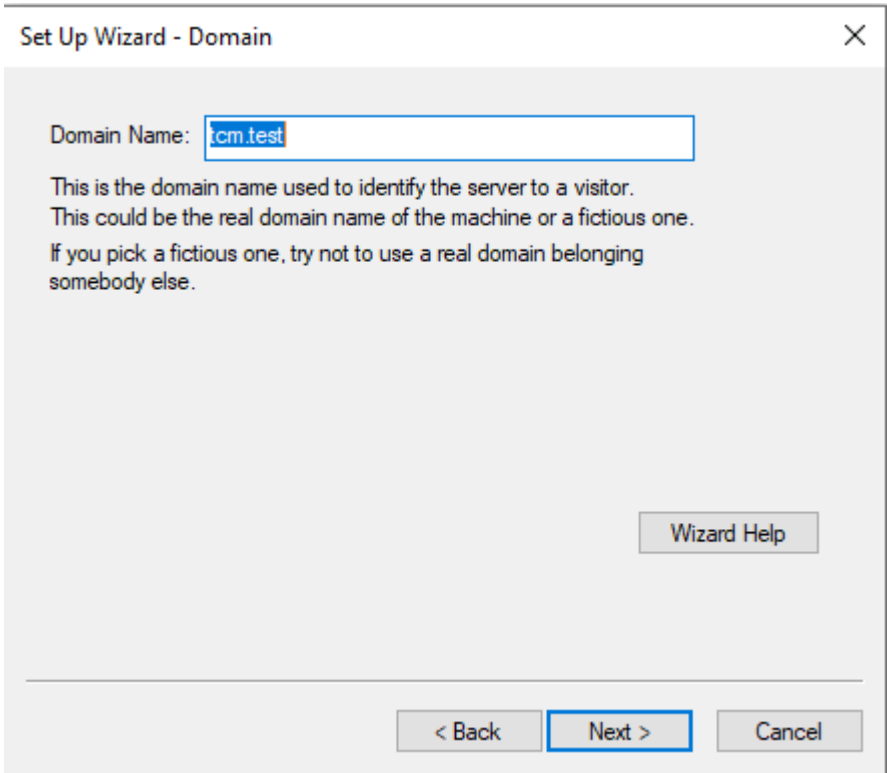
◦ Kiểm tra kết nối



- Cài đặt Kfsensor Cài đặt nmap tại <https://nmap.org/npcap/dist/npcap-1.77.exe>



- Cấu hình kfsensor



Set Up Wizard - EMail Alerts

Send to:

Send from:

If you want KFSensor to send alerts by email then fill in the email address details.

Wizard Help

< Back Next > Cancel

Set Up Wizard - Options

Denial Of Service Options

Controls how many events are recorded before the server locks up

Port Activity

How long a port should indicate activity after after an event

Proxy Emulation

Controls if KFSensor is allowed to make limited external connections

Network Protocol Analyzer

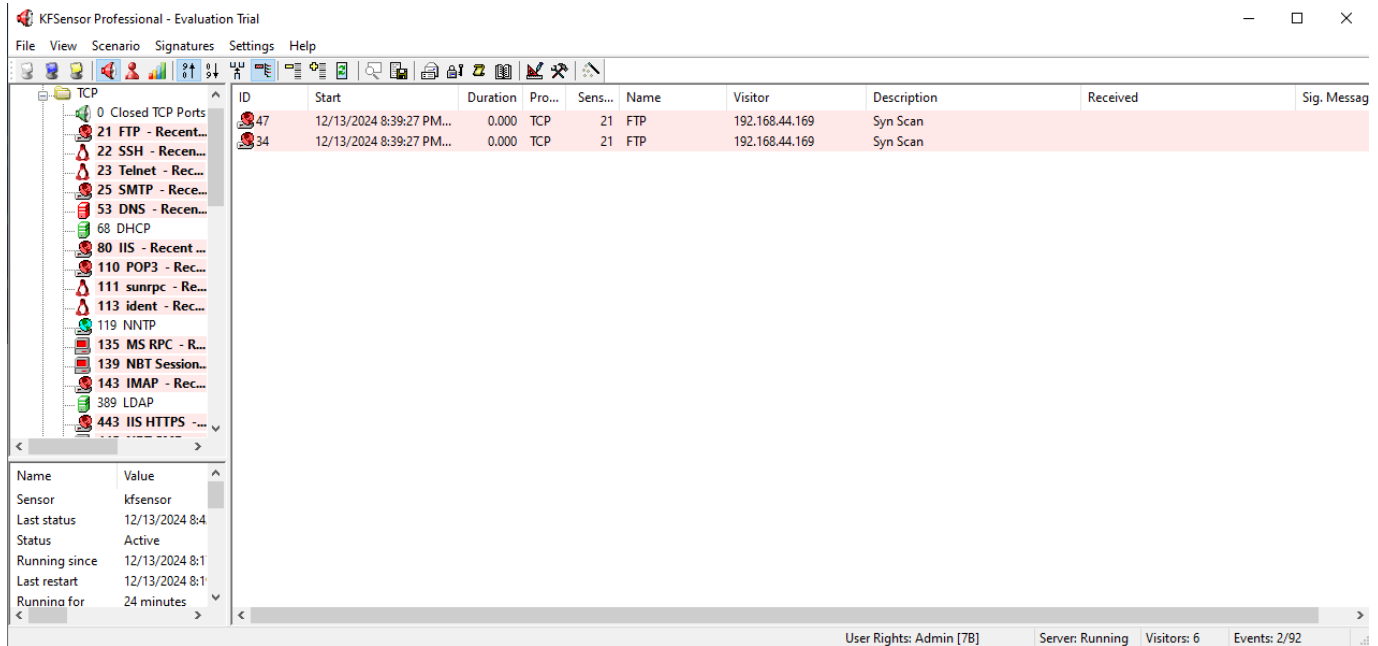
Dump files are useful for detailed analysis but take up a lot of disk space

Wizard Help

< Back Next > Cancel

Kịch bản tấn công

- Port scan Sau khi cài kfsensor một số port sẽ được mở trên windows cho attacker thực hiện scan, thông tin từ đây cũng sẽ bị capture lại, tuy nhiên thì sau khi scan attacker sẽ không thấy gì ngoại trừ phía honeypot

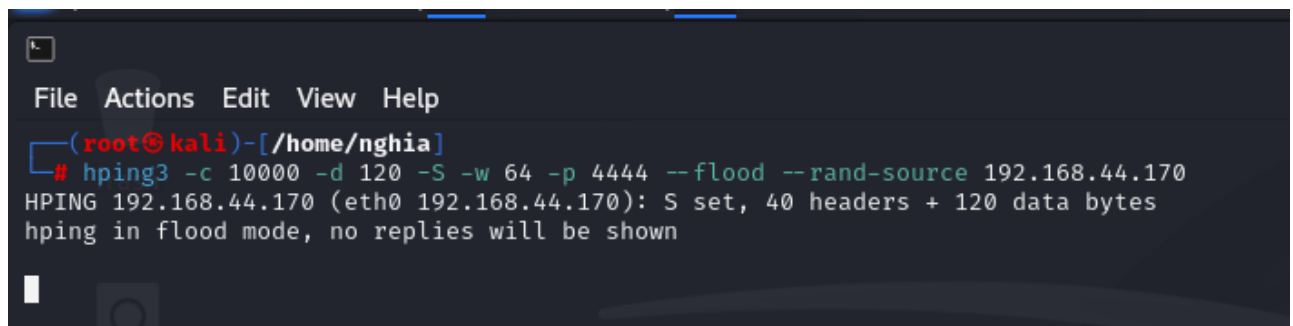


```
# nmap -T4 -p- -A 192.168.44.170
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-12-13 23:39 EST
Stats: 0:07:07 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan
SYN Stealth Scan Timing: About 31.89% done; ETC: 00:01 (0:15:12 remaining)
Nmap scan report for 192.168.44.170 (192.168.44.170)
Host is up (0.0016s latency).
Not shown: 65534 filtered tcp ports (no-response)
PORT      STATE SERVICE      VERSION
7680/tcp  open  pando-pub?
MAC Address: 00:0C:29:68:DD:06 (VMware)
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Device type: general purpose
Running (JUST GUESSING): Microsoft Windows XP|2019 (89%)
OS CPE: cpe:/o:microsoft:windows_xp::sp3
Aggressive OS guesses: Microsoft Windows XP SP3 (89%), Microsoft Windows Server 2019 (85%)
No exact OS matches for host (test conditions non-ideal).
Network Distance: 1 hop

TRACEROUTE
HOP RTT      ADDRESS
1   1.58 ms  192.168.44.170 (192.168.44.170)

OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 1081.68 seconds
```

- DDOS attack



8 / 8