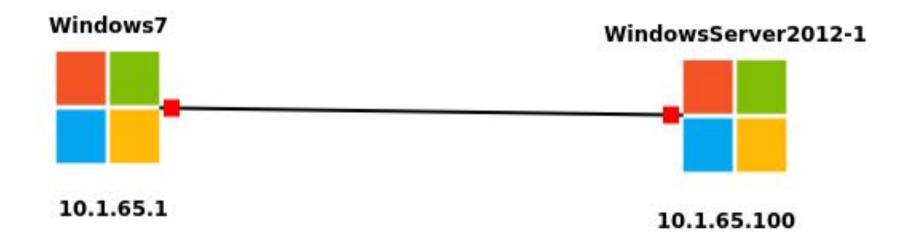
Triển khai giao thức telnet

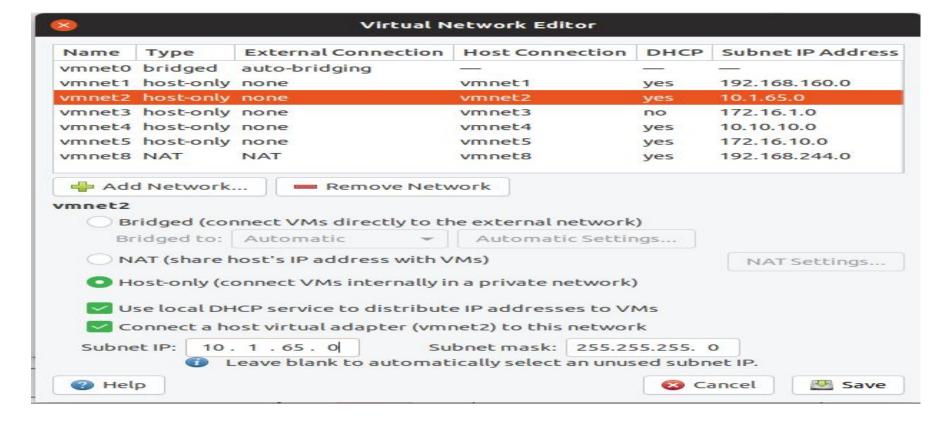
- Ho tên: Nguyễn Văn Mạnh
- <u>Lớp</u>: AT12c
- Mã sinh viên: AT120336
- <u>Email:</u> nguyenmanh0397@gmail.com

I. Cài đặt

1. Sơ đồ mạng

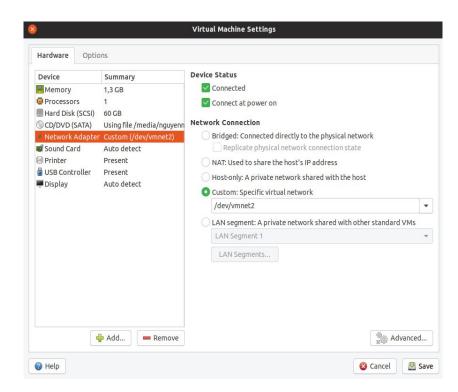


2. Thêm một network vmnet2

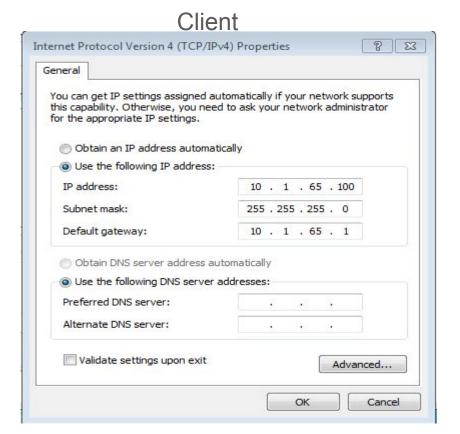


3. Cài đặt netwwork adapter

- Window 7 với cắm vào vmnet2
- Window server 12 cám vào vmnet 2



4. Đặt địa chỉ ip tĩnh cho client và server



Server Internet Protocol Version 4 (TCP/IPv4) Properties General You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings. Obtain an IP address automatically Use the following IP address: 10 1 . 65 . 1 IP address: 255 . 255 . 255 . 0 Subnet mask: Default gateway: Obtain DNS server address automatically Use the following DNS server addresses: Preferred DNS server: Alternate DNS server: Validate settings upon exit Advanced... OK Cancel

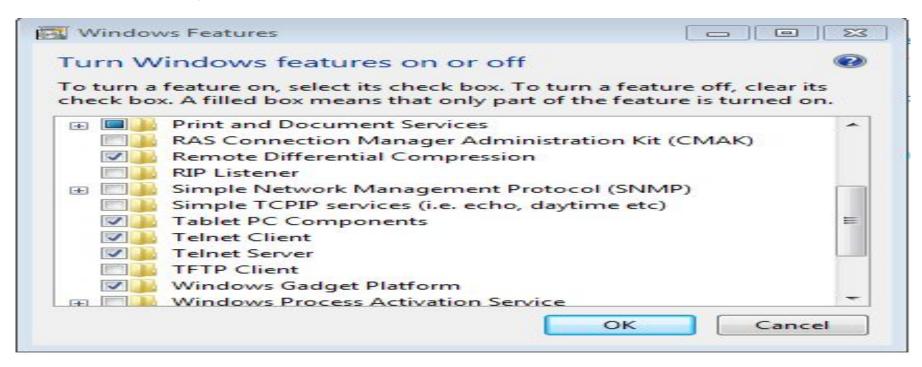
5. Kiểm tra ping 2 máy

```
0
Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
C:\Users\nguyenmanh>ping 10.1.65.1
Pinging 10.1.65.1 with 32 bytes of data:
Reply from 10.1.65.1: bytes=32 time<1ms TTL=64
Ping statistics for 10.1.65.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = Oms, Maximum = Oms, Average = Oms
C:\Users\nguyenmanh>
```

```
Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.
C:\Users\Administrator>ping 10.1.65.100
Pinging 10.1.65.100 with 32 bytes of data:
Reply from 10.1.65.100: bytes=32 time<1ms TTL=128
Ping statistics for 10.1.65.100:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = Oms, Maximum = Oms, Average = Oms
C:\Users\Administrator>
```

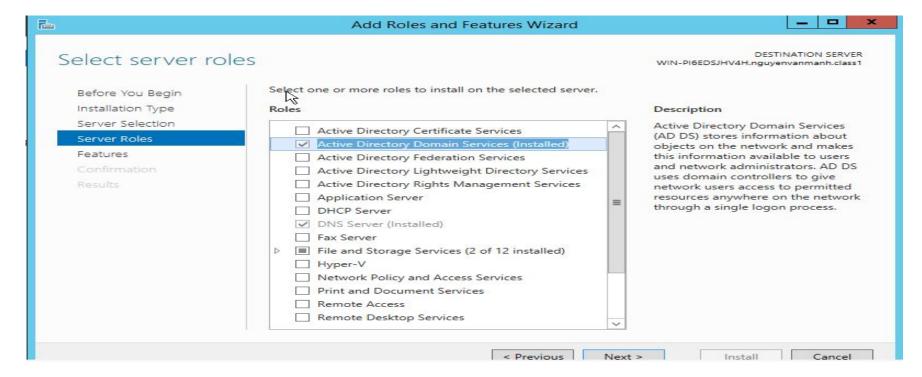
6. Khởi động dịch vụ telnet trên client

Control Panel -> Programs -> Turn Window features on or off



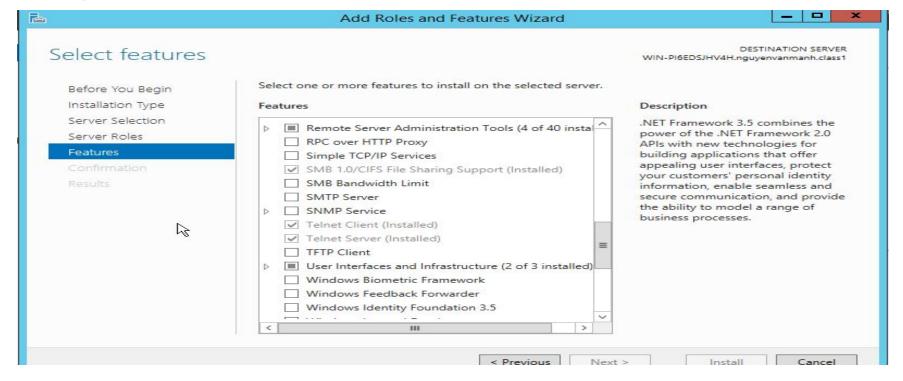
7. Khởi động dịch vụ telnet trên server

Cài đặt Active directory domain services



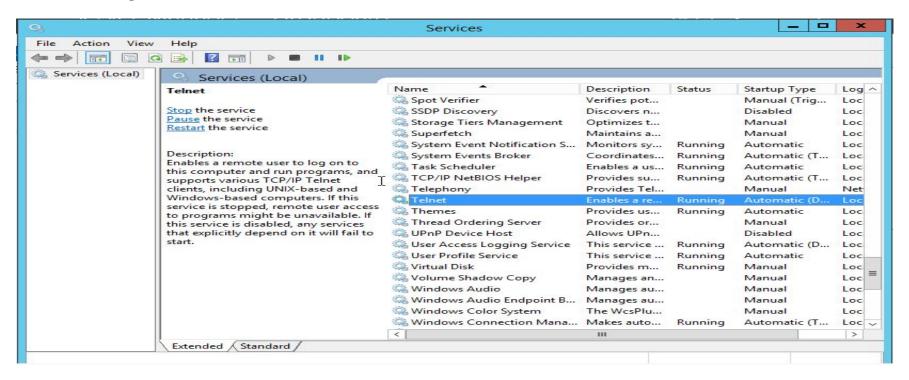
9. Khởi động dịch vụ telnet trên server

Cài đặt Telnet Client và Server sau đó Install



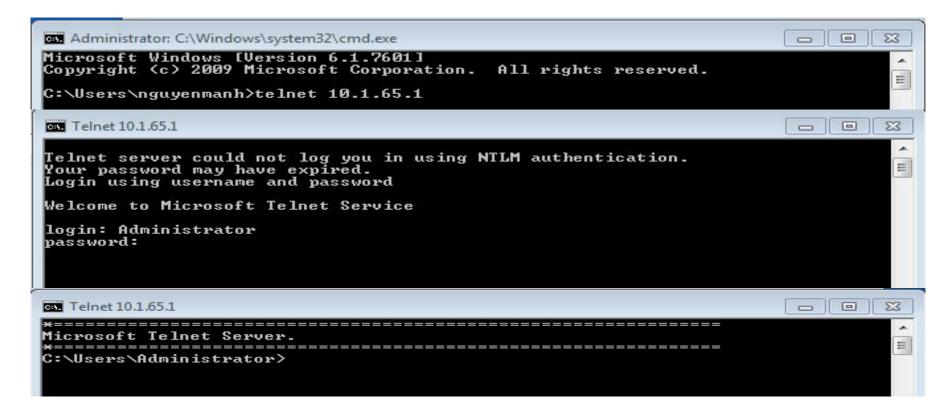
10. Khởi động dịch vụ telnet trên server

Khởi động telnet tại services

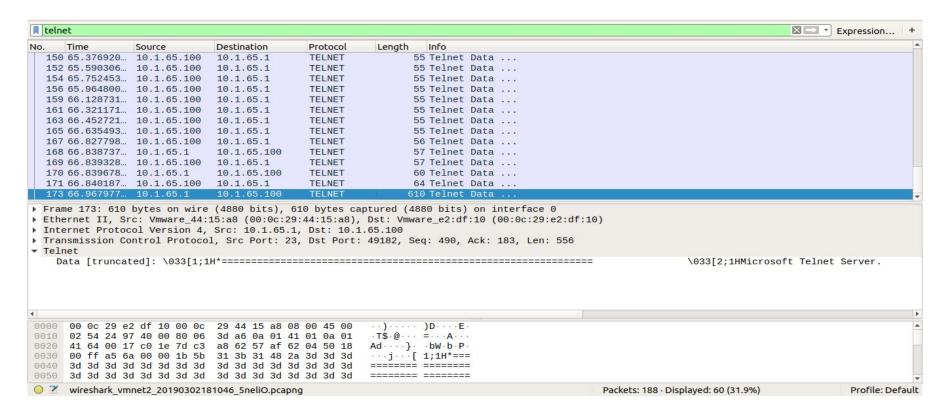


II. Tiến hành telnet

1. Thực hiện telnet từ client vào server



2. Trên wireshark bắt gói tin telnet



3. Phân tích luồng tcp

Phân tích gói tin chúng ta thấy mật khẩu được hiện ở bản rõ.

∞ – □	Wireshark · Follow TCP Stream (tcp.stream eq 0) · vmnet2	
4.H(.n.g.u.) 4.Hn.g.u.) 1rF %	.E.N.V.A.N.M.A.N.HN.G.U.Y.E.N.V.A.N.M.A.N.HW.I.NP.I.6.E.D.S.J. u.y.e.n.v.a.n.m.a.n.hc.l.a.s.s.1H.W.I.NP.I.6.E.D.S.J.H.V. y.e.n.v.a.n.m.a.n.hc.l.a.s.s.1(.n.g.u.y.e.n.v.a.n.m.a.n.hc.l.a.s.s'''SFUTLNTVER.2.SFUTLNTMODE.ConsoleNTLMSSP	S. .R.>Hw.g
welcome to Mi	icrosoft Teinet Service	
login: AAddmn	miinniissttrraannrroorrttoorr	
.[2;1HMicroso [3;1H*====== \Users\Admini [K.[7;1H.[K.]	ANSI[1;1H*===================================	ĮK.
Entire conversati	ion (2.046 bytes) Show and save data as ASCII	Stream 0 🗘
Find:		Find Next
☑ Help	Filter Out This Stream Print Save as Back	≭ <u>C</u> lose

Phân tích luồng tcp

Luồng dữ liệu từ client (window 7) vào server (window server 2012)

Wireshark · Folle	ow TCP Stream (tcp.stream eq 0) - vmnet2
%	a.s.s.1(.n.g.u.y.e.n.v.a.n.m.a.n.hc.l.a.s.s. .08#.xt.`0.yUD.u.k-sn s.t./.n.g.u.y.e.n.v.a.n.m.a.n.hc.l.a.s.s.
42 client pkts, 0 server pkts, 0 turns.	
10.1.65.100:49158 → 10.1.65.1:23 (842 bytes) ▼	Show and save data as ASCII Stream 0
Find:	Find Next
☑ Help	Filter Out This Stream Print Save as Back X Close

Phân tích luồng tcp

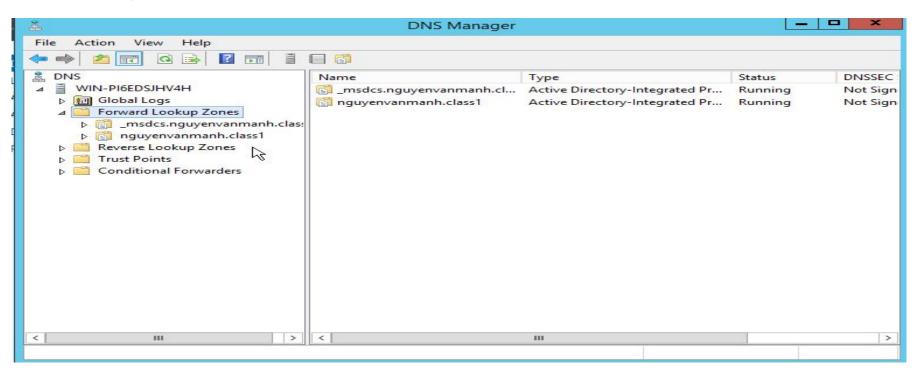
Luồng dữ liệu từ server (window server 2012) vào client (window 7)

8=~ %N.G.U.Y.E.N.V.A.N.M (.n.g.u.y.e.n.v.a.n.m.a. 4.Hn.g.u.y.e.n.v.a.n.	o''SFUTLNTVER.SFUTLNTMODE%FNTLMSSP R I.A.N.HN.G.U.Y.E.N.V.A.N.M.A.N.HW.I.NP.I.6.E.D.S.J.H.V.4.H n.hc.l.a.s.s.1H.W.I.NP.I.6.E.D.S.J.H.V. m.a.n.hc.l.a.s.s.1(.n.g.u.y.e.n.v.a.n.m.a.n.hc.l.a.s.s. ome to Microsoft Telnet Service
login: Administrator	
	erver.
0 client pkts, 22 server pkts, 0 turns.	
	Stream 4 \$
0 <u>client</u> pkts, 22 server pkts, 0 turns. 10.1.65.1:23 → 10.1.65.100:4918 Find:	Stream 4 🕏 Stream 4 🕏 Find Next

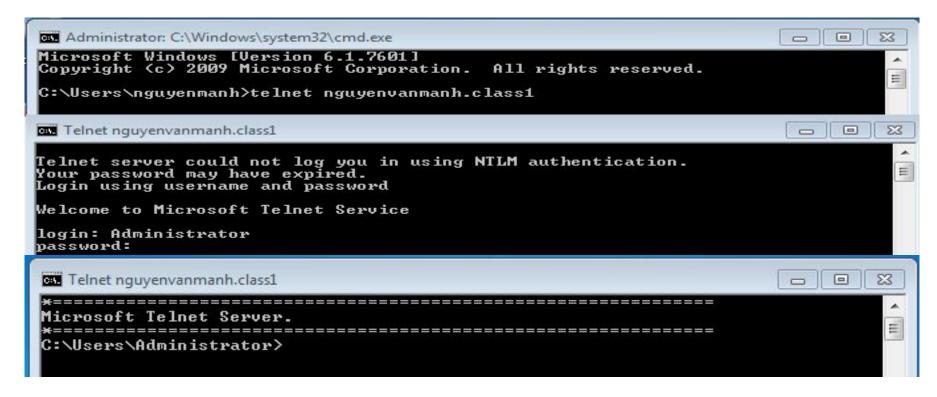
III. Thiết lập telnet với domain

1. Thiết lập domain cho máy chủ

Server Manager -> Tool -> DNS -> Forward Lockup Zone -> New Zone



2. Telnet từ client vào server bằng domain



3. Phân tích gói tin

Mật khẩu vẫn được hiển thị ở dạng bản rõ.

S = □ Wireshark · Follow TCP Stream (tcp.stream eq 0) · vmnet2
%N.G.U.Y.E.N.V.A.N.M.A.N.HN.G.U.Y.E.N.V.A.N.M.A.N.HW.I.NP.I.6.E.D.S.J.H.V. 4.H(
login: AAddmmiinniissttrraannrroorrttoorr
password: Manh18031997
Find:
Print Save as Back *Close

Phân tích gói tin

Gói tin gửi từ window 7 sang window server 2012



Phân tích gói tin

Gói tin gửi từ window server 2012 sang window 7

Ø − □ Wireshark • Foll	ow TCP Stream (tcp.stream eq 4) · vmnet2
8=~RR %N.G.U.Y.E.N.V.A.N.M.A.N.HN.G (.n.g.u.y.e.n.v.a.n.m.a.n.hc.l.a.s.:	a.s.s.1(.n.g.u.y.e.n.v.a.n.m.a.n.hc.l.a.s.s.
login: Administrator	
	E=====================================
0 client pkts, 22 server pkts, 0 turns.	
10.1.65.1:23 → 10.1.65.100:49182 (1.045 bytes ▼	Show and save data as ASCII Stream 4 🕏
Find:	Find Next
☑ Help	Filter Out This Stream Print Save as Back # Close