

Type Your Name Here: **Reid Roberts**

CPSC 6157 Fall 2024

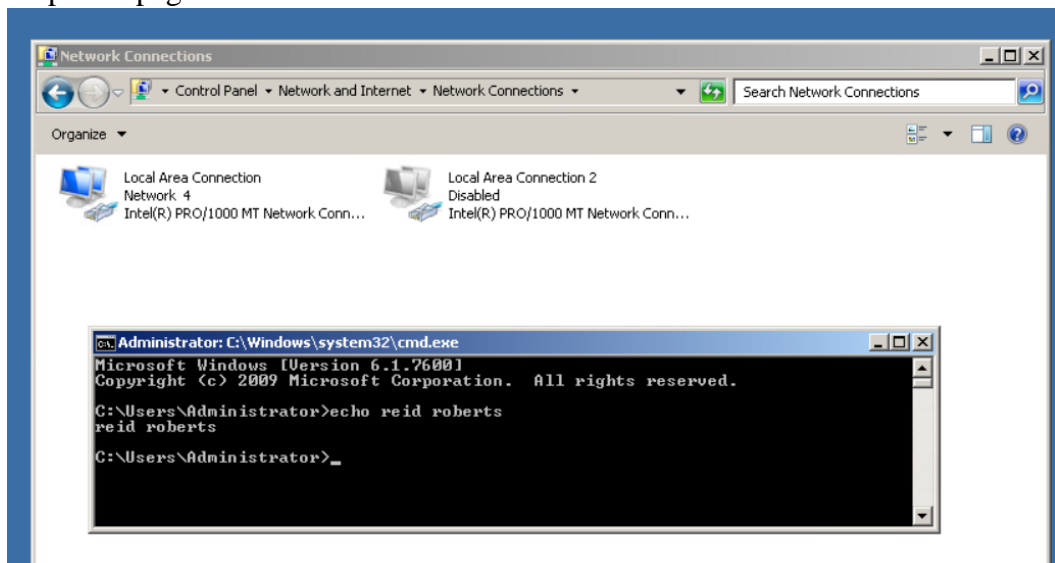
Hands-on Exercise 4

Review of Computer Networks IV (Network-layer)

Due by 11:30 PM Monday, Feb. 10

Part I. (40%) Complete Network+ Lab 4 (IPv4 vs IPv6). Take screenshots of the outputs of the following steps, copy and paste them into this Word document below:

1. Step 3 on page 16.

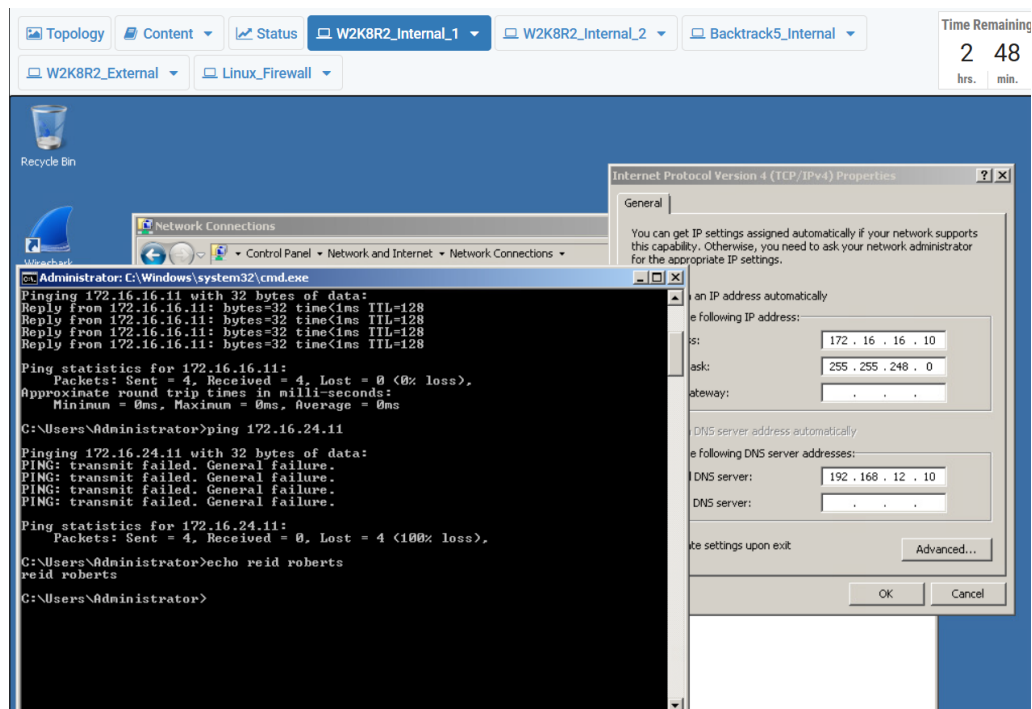


Internal 1 IP Property	Value
IP Address	192.168.12.10
Subnet Mask	255.255.255.0
Default Gateway	192.168.12.1
Preferred DNS Server	192.168.12.10

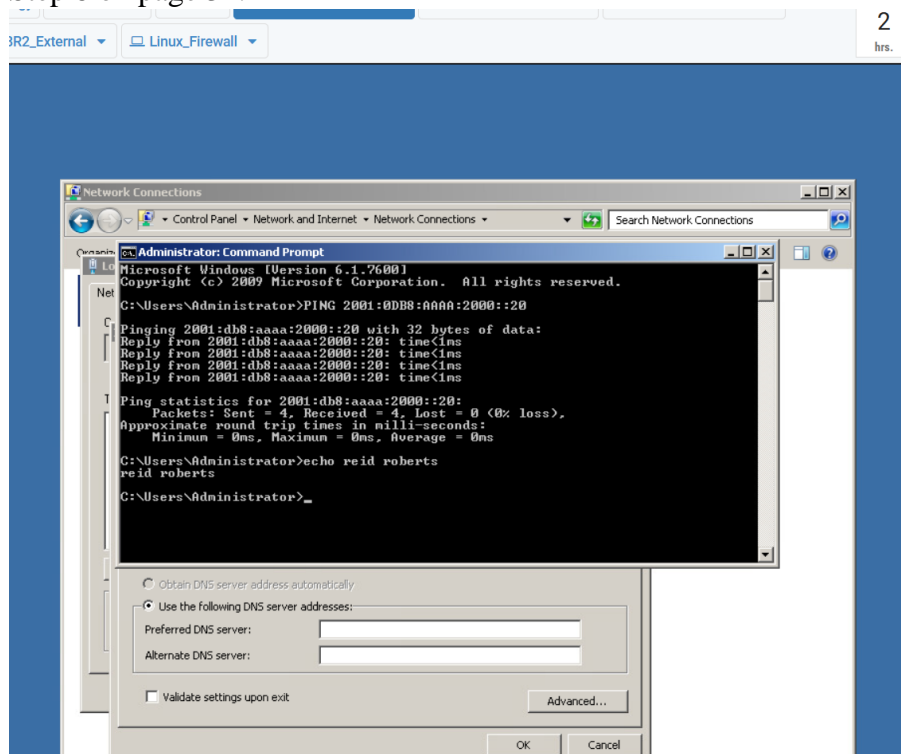
Internal 2 IP Property	Value
IP Address	192.168.12.11
Subnet Mask	255.255.255.0
Default Gateway	192.168.12.1
Preferred DNS Server	192.168.12.10

2. Step 16 on page 21.

Type Your Name Here: **Reid Roberts**

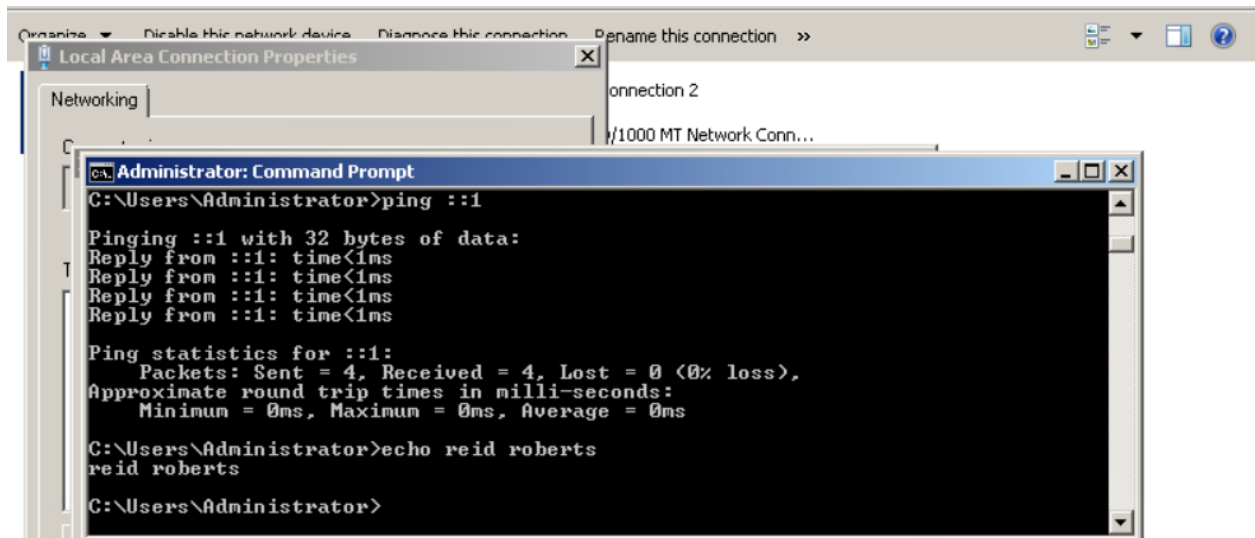


3. Step 8 on page 31.



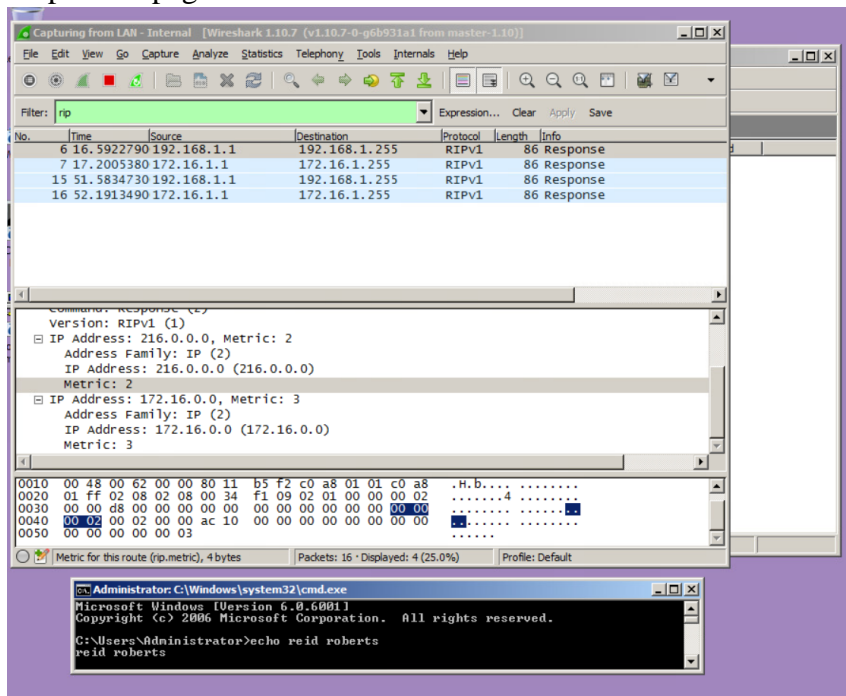
4. Step 10 on page 31 (**Your full name MUST be displayed on the screenshot**).

Type Your Name Here: **Reid Roberts**



Part II. (30%) Complete Sections 1-2 (on pages 5-33) of Network Security Lab 8 (Implementing RIP, RIPv2 and Securing RIP) on NetLab. Take screenshots of the outputs of the following steps, copy and paste them into this Word document below:

5. Step 57 on page 26.



6. Step 14 on page 32.

Type Your Name Here: **Reid Roberts**

```
Administrator: Command Prompt
Microsoft Windows [Version 6.0.6001]
Copyright (c) 2006 Microsoft Corporation. All rights reserved.

C:\>ping 172.16.1.175

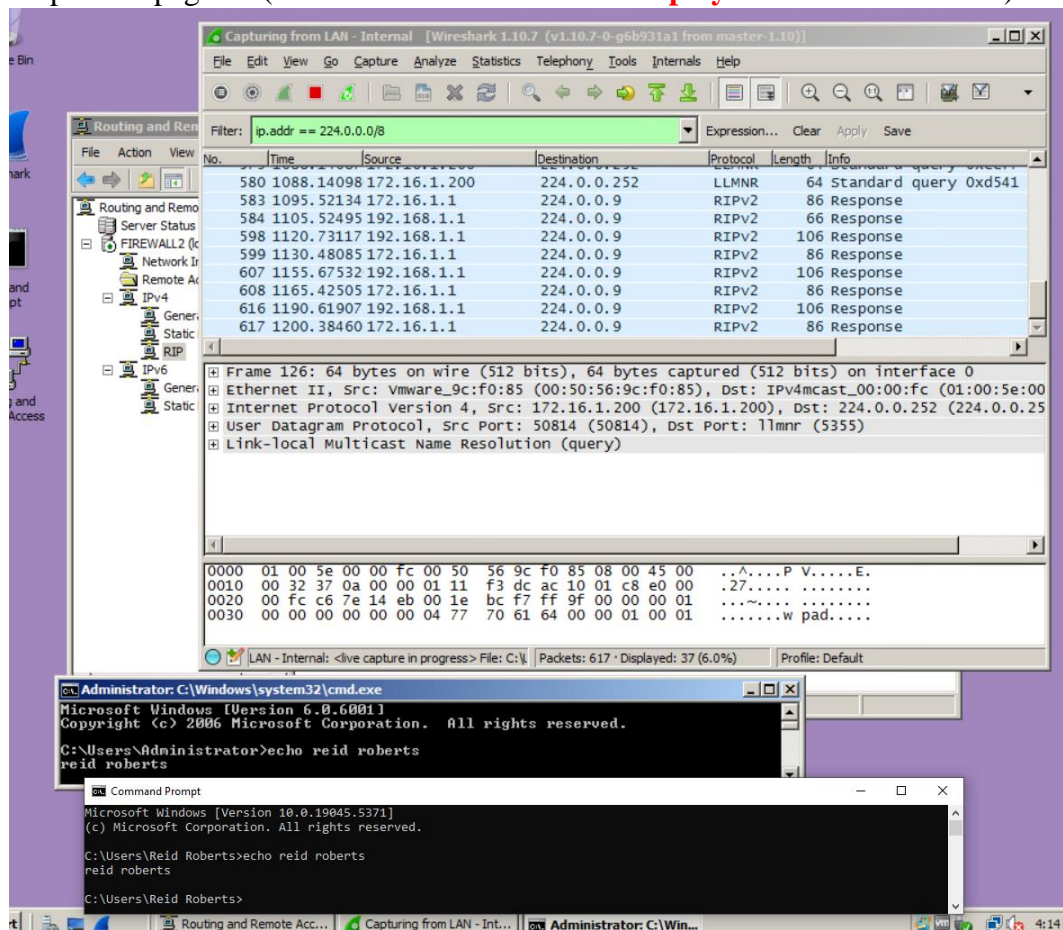
Pinging 172.16.1.175 with 32 bytes of data:
Reply from 172.16.1.175: bytes=32 time=1ms TTL=62
Reply from 172.16.1.175: bytes=32 time<1ms TTL=62
Reply from 172.16.1.175: bytes=32 time<1ms TTL=62
Reply from 172.16.1.175: bytes=32 time<1ms TTL=62

Ping statistics for 172.16.1.175:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>echo reid roberts
reid roberts

C:\>_
```

7. Step 16 on page 33 (**Your full name MUST be displayed on the screenshot**).



Part III. (30%) Complete Exercise 4 Quiz on CougarView (covers this exercise and the PPT slides “Network-Layer.pptx**” under Week 4) by the above deadline. You will have 3 hours to answer 15 questions and ONLY one attempt is allowed for all post-lab quizzes.**