**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.

A computer screen shot of a computer error

AI-generated content may be incorrect.

|  |  |
| --- | --- |
| **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 |

1. Step 16 on page 21.

A screenshot of a computer

AI-generated content may be incorrect.

1. Step 8 on page 31.

A screenshot of a computer

AI-generated content may be incorrect.

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

A computer screen shot of a black screen

AI-generated content may be incorrect.

**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:

1. Step 57 on page 26.

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AI-generated content may be incorrect.

1. Step 14 on page 32.

A computer screen with white text

AI-generated content may be incorrect.

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

A screenshot of a computer

AI-generated content may be incorrect.

**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.