Learning Guide Unit 5

Reading Assignment

As you read through the learning resource consider the following:

- *How do you plan on using the traceroute tool to diagnose network issues in your future career?*
- *How do you plan on using Wireshark to analyze network traffic and troubleshoot network issues in your future career?*
- *What do you think is the most important factor to consider when choosing a routing algorithm for a mobile ad hoc network, and why?*

Read

1. Dancuk, M. (2021, August 16). *How to run a traceroute on Linux, Windows and MACOS*. phoenixNAP.

   - This resource provides a step-by-step guide on how to perform a traceroute on various operating systems.

2. Ghosh, B. (2021, September 12). *Packet filter analysis for ICMP in Wireshark*. linuxhint.

   - Read this to learn about ICMP packet analysis in Wireshark.

3. Jatwani, R. (2018). Routing algorithm in MANET: A survey. *International Journal of Research in Engineering, Science and Management*, *1*(11), 154-156.

   - Read this for an overview of wireless routing algorithms.

4. Kalime, S., & Sagar, K. (2020). A review: Secure routing protocols for mobile adhoc networks (Manets). *Journal of Critical Reviews*, *7*(19), 8385-8393.

   - From this article, read section III "VULNERABILITIES ON ROUTING PROTOCOLS" and section IV "VARIOUS SECURE ROUTING PROTOCOLS".

5. Noviantika, G. (2023, January 4). *How to ping an IP on Windows, MACOS, and Linux*. Hostinger Tutorials.

   - This resource provides a step-by-step guide on how to perform a ping test on various operating systems.

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