

Pre-Lab Task Activity 4: Diagnosing Faults and Managing Network Performance at Home

Instruction: Answer the following briefly.

1. Define network fault and give 2 common examples.

- A network fault is a network problem that stops the network from working properly. Two common examples of a network fault are *cable disconnection* and *device hardware failure*.

2. What are latency and jitter? How do they impact network performance?

- Latency refers to the delay in data transfer. On the other hand, jitter is the variation in delay. High latency or jitter can make calls, videos, and games lag or glitch.

3. What tools besides Wireshark can help monitor network performance?

- Other tools that can also help monitor network performance are PRTG Network Monitor and SolarWinds.

4. What is SNMP, and how is it relevant to performance management?

- SNMP or Simple Network Management Protocol is used to collect and manage network data from devices. It helps check device status and performance.