2.7.6 Packet Tracer - Implement Basic Connectivity

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Course: ITI-Cybersecurity-Summer-2025

Date: July 19, 2025

Lab Report Answers

Q1. How can you verify that both passwords were configured correctly?
Use the `show running-config` command to verify that the console and enable secret passwords are properly configured.

Q2. Which command do you issue to accomplish this step?
Use the `write memory` or `copy running-config startup-config` command to save the configuration to NVRAM.

Q3. Were you successful? Explain.
Yes, the ping should be successful if all devices are configured with the correct IP addresses and are properly connected. Successful pings indicate basic network connectivity.

Q4. If this is the case, why would we configure it with an IP address?
We configure switches with IP addresses so we can remotely manage them using protocols like Telnet or SSH.

Q5. Why do you enter the no shutdown command?
The `no shutdown` command activates the VLAN 1 interface, which is administratively down by default.

Q6. Which command is used to save the configuration file in RAM to NVRAM?
Use the `copy running-config startup-config` command.