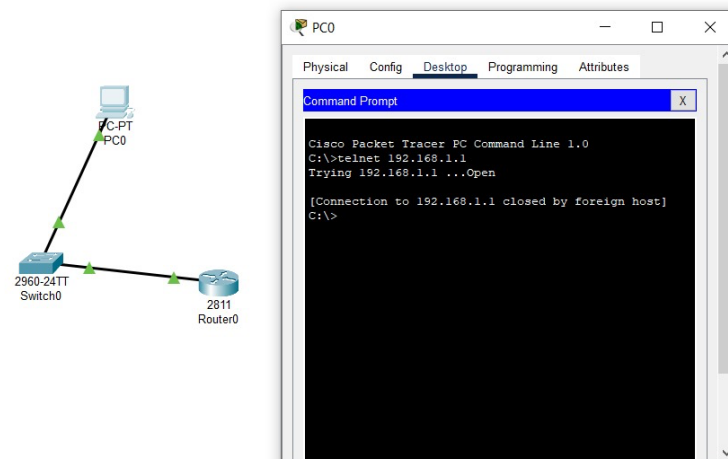


L5 - Session Layer Misconfiguration: Telnet Failure Due to Missing Login Configuration Explanation

A simple local network was created using a PC, switch, and a router. The PC tries to initiate a Telnet session with the router using IP 192.168.1.1. All Layer 1 to 4 configurations (cabling, IP addresses, routing, etc.) are correct. Telnet connection is opened successfully, but then immediately closes with the message:

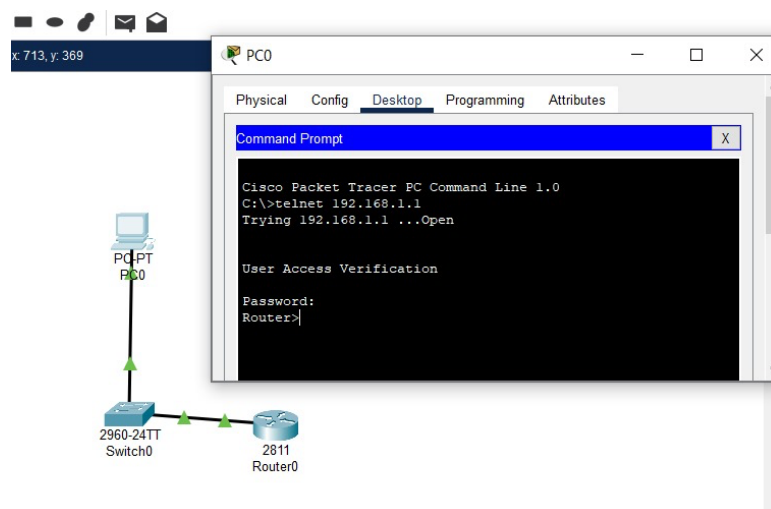


The PC is able to:

- Resolve the IP address of the router
- Establish a TCP connection on port 23

However, the Telnet session is immediately closed because the router has not been configured with login credentials or a virtual terminal line password.

On the router, the following configuration commands were entered:



This case is a classic example of Session Layer failure. The device accepts a TCP connection but immediately terminates the session because it cannot authenticate the user due to misconfiguration. Configuring a password and enabling login on the router's VTY lines resolves the issue.