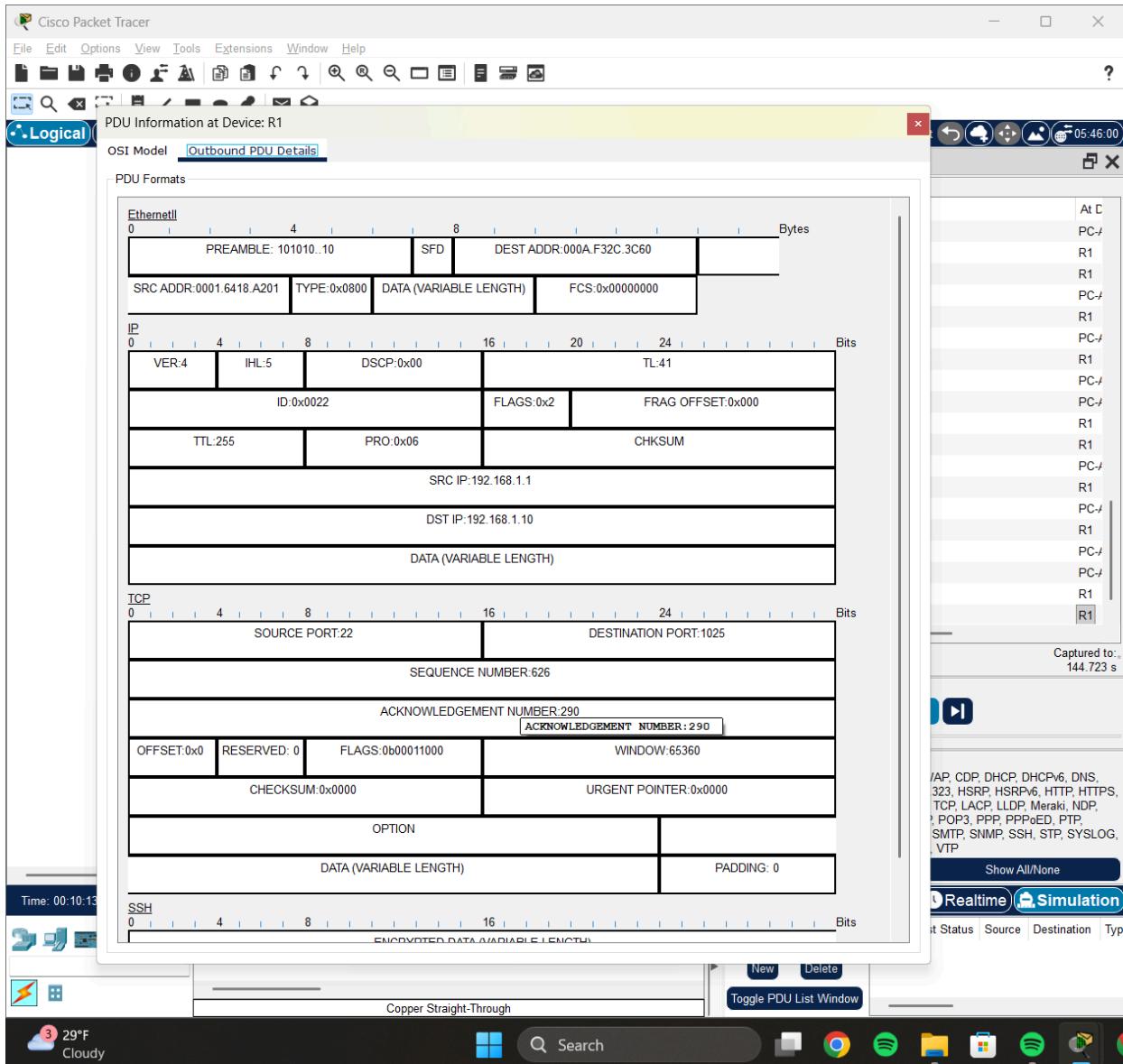
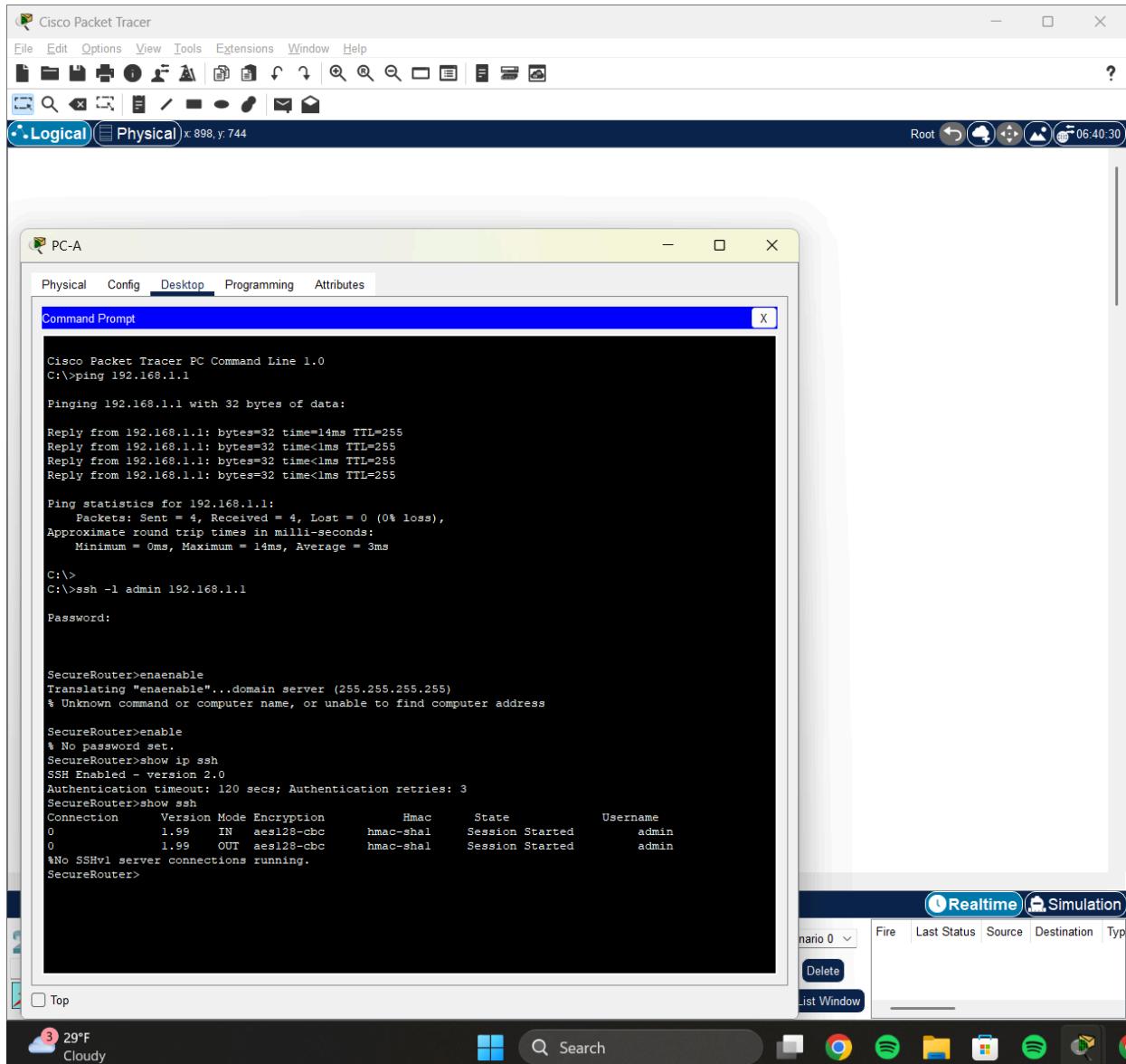


This lab demonstrates secure remote access using SSH instead of clear-text protocols. I configured R1 to use SSH v2, generated RSA keys, and created a local admin account. Using PC-A, I established an SSH session and verified encrypted packets in Packet Tracer's Simulation Mode. The router's `show ip ssh` and `show ssh` outputs confirmed the secure session, and no cleartext connections (like Telnet) were allowed. This meets the requirements for encrypted communication and session integrity.

Encrypted SSH, TCP port 22 no clear text



SSH Commands Output, Version 2



Verified SSH Tunnel.

