Packet Tracer – Use Telnet and SSH

Introduction

In this lab, you will use Packet Tracer to establish remote sessions to two routers, using Telnet and SSH. You may also install a third-party terminal emulation program and access a dedicated SSH server provided by your instructor.

Required Resources

- Windows computer
- Cisco Packet Tracer

Optional Resources

- PuTTY, Tera Term, or other terminal emulation programs
- An SSH server for students to access

Instructions

Part 1: Simulated Remote Access using Packet Tracer

Step 1: Telnet access to East

In this step, you will access the command line of the router **East**.

a. Open **PC0**. Navigate to the Desktop tab.

b. Select **Command Prompt**.

c. Enter **telnet 209.165.200.225** at the prompt, where 209.165.200.225 is the IP address of the router East.

d. When prompted for the credentials, enter **ITEUser** for the username and **ITEPassword** as the password.

e. After your credentials are validated, you will be at prompt of the router East.

f. Enter **exit** to exit the East router.

Step 2: SSH

In this step, you will access the command line of the router **West**.

a. Enter **ssh –l ITEUser 209.165.200.226** at the prompt, where 209.165.200.226 is the IP address of the router West and **ITEUser** is the username for access. **Note**: The syntax of the SSH could depend on the type of server.

b. When prompted for the password, enter **ITEPassword**.

c. After your credentials are validated, you will be at prompt of the router West.

d. Enter **exit** to quit the session.

Part 2: SSH using Physical Equipment (Optional)

Step 1: Prepare for SSH

a. Install a third-party terminal emulation program, such as PuTTy, as instructed by your instructor.

b. Record the IP address, user credentials and other settings as necessary for SSH access.

IP Address:	
Username:	
Password:	
Other settings:	

Step 2: Remote Access

In this step, PuTTy is used as an example.

a. Open PuTTy.

b. In the Host Name (or IP address) field, enter the IP address recorded above.

c. Verify that the connection type is SSH. Verify the port number for SSH. Change as necessary with the Other settings recorded above.

Question:

What is the default port for SSH?

Type your answers here.