PPP Validation

Objective

Use **show** and **debug** commands to troubleshoot PPP.

Scenario

Three friends who are enrolled in the Cisco Networking Academy want to check their knowledge of PPP network configuration.

They set up a contest where each person will be tested on configuring PPP with defined PPP scenario requirements and varying options. Each person devises a different configuration scenario.

The next day they get together and test each other's configuration using their PPP scenario requirements.

Resources

- Packet Tracer software
- Stopwatch or timer

Step 1: Open Packet Tracer.

a. Create a two-router topology with a serial connection.

b. Include one PC and switch attached to each router.

Step 2: Complete the scenarios.

a. Start the Scenario 1 configuration.

b. The instructor calls the time when the scenario is completed; all students and groups must stop their configuration work at that time.

c. The instructor checks the validity of the completed scenario configuration.

1) The devices must be able to successfully ping from one end of the topology to the other.

2) All scenario options requested must be present in the final topology.

3) The instructor may ask you to prove your work by choosing different **show** and **debug** commands to display the configuration output.

d. Begin the same process as Scenario 2.

1) Delete Scenario 1 configurations, but you can re-use the same.

2) Complete Steps 1 and 2 again using the next scenario's requirements.