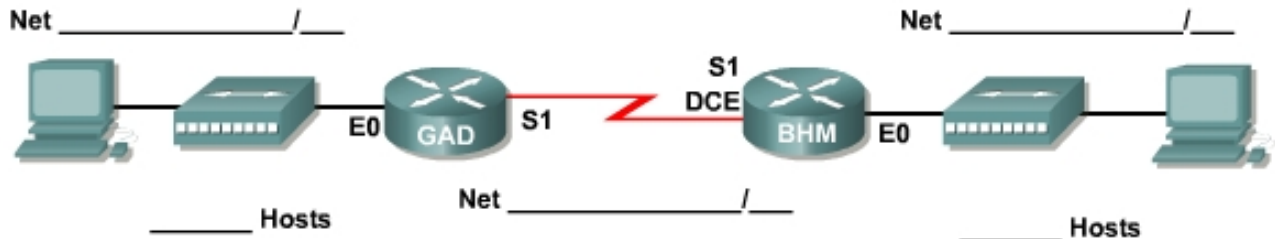


CCNA3 Module 1 Challenge Lab



Router	Interface	IP Address	Subnet Mask
GAD	E0		
	S1		
BHM	E0		
	S1 DCE		

Objective

- Implement an IP addressing scheme using VLSM
- Configure RIPv2 routing
- Use verification and troubleshooting commands to observe RIPv2 processes

Step 1 Design the Addressing Scheme

The instructor will provide you with the host requirements for the LANs. Subnet the 192.168.1.0/24 address space to provide for the requirements.

- Label the topology with your networks.
- Fill out the table with your addressing scheme.

Step 2 Basic Router Configurations

Configure both routers with hostnames, passwords, line configurations, host tables and any other configurations required by your instructor.

Step 3 Implement Routing

Configure both routers with RIPv2. Verify connectivity by pinging the other router's LAN interface.

Step 4 Verification and Troubleshooting

Capture running configurations to Notepad. Clean up the output. Print out and keep in your notebook

Start a capture session to a text file called "Verify.txt". Use the following commands to verify RIPv2 and monitor RIP updates. Turn off capture, open "Verify.txt" and clean up the output. Make notes to file that will help you study for the exam. Print out and keep in your notebook.

`show ip route, show ip protocols, show ip rip database, debug ip rip`