*Final EXAM, Computer Networks*

# Topology



# Addressing Table

| Device | Interface | IP Address / Prefix | Default Gateway |
| --- | --- | --- | --- |
| R1 | G0/0/0 | 192.168.0.0 /24 | N/A |
| R1 | G0/0/0 | 2001:db8:acad::1/64 | N/A |
| R1 | G0/0/0 | fe80::1 | N/A |
| R1 | G0/0/1 | 192.168.1.0 /24 | N/A |
| R1 | G0/0/1 | 2001:db8:acad:1::1/64 | N/A |
| R1 | G0/0/1 | fe80::1 | N/A |
| S1 | VLAN 1 | 192.168.1.254 /24 | 192.168.1.**X** |
| PC-A | NIC | 192.168.1.**X** /24 | 192.168.1.**X** |
| PC-A | NIC | 2001:db8:acad:1::3/64 | fe80::1 |
| PC-B | NIC | 192.168.0.**X** /24 | 192.168.0.**X** |
| PC-B | NIC | 2001:db8:acad::3/64 | fe80::1 |

# Objectives

Part 1: Set Up the Topology and Initialize Devices

Part 2: Configure Devices and Verify Connectivity (Basic Configuration)

Part 3: Set up the Telnet connection between the router R1 and the computer PC-A

Part 4: Set up the Telnet connection between the router R1 and the computer PC-B

Part 5: Configure the banner on R1 and S1 with the name of the academic group

Part 6: Configure R1 interfaces description with Student's First Name

Part 7: Configure on R1 and S1 enable password with Student's Last Name

Part 8: Set up the IP address for the router interfaces, equal to the number of characters in the Student's First Name

Part 9: Set up the IP address for the PC-A and PC-B, equal to the number of characters in the Student's Last Name

Part 10: Save the final file according to the example “*First Name\_Last Name\_Academic Group\_Date of Final Exam*” and send it to the email address: [dinu.turcanu@adm.utm.md](mailto:dinu.turcanu@adm.utm.md)