

Configure Basic Router Settings

Laboratory protocol Configure Basic Router Settings



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1 Task definition

2 Summary

3 Exercise Execution

3.1 Set Up the Topology and Initialize Devices

This exercise was done in Cisco Packet Tracer and the devices were placed and wired using the automatic cabling type, as all the devices are Auto-MDIX compliant anyway.

After that, everything was turned on and the router and switch were both initialized and reloaded.

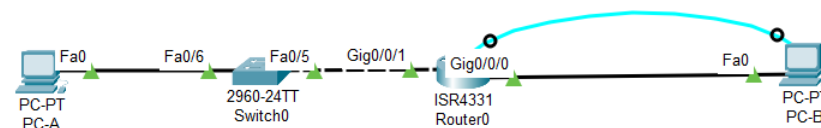


Figure 1: Network topology required for this exercise

3.2 Configure Devices and Verify Connectivity

3.2.1 Configure the PC interfaces

The IP addresses for both PCs have been set in the IP Configuration application.

Display Name	PC-A	Display Name	PC-B
Interfaces	FastEthernet0	Interfaces	FastEthernet0
Gateway/DNS IPv4	<input type="radio"/> DHCP <input checked="" type="radio"/> Static	Gateway/DNS IPv4	<input type="radio"/> DHCP <input checked="" type="radio"/> Static
Default Gateway	192.168.1.1	Default Gateway	192.168.0.1
DNS Server		DNS Server	
Gateway/DNS IPv6	<input type="radio"/> Automatic <input checked="" type="radio"/> Static	Gateway/DNS IPv6	<input type="radio"/> Automatic <input checked="" type="radio"/> Static
Default Gateway	FE80::1	Default Gateway	FE80::1
DNS Server		DNS Server	
IP Configuration	<input type="radio"/> DHCP <input checked="" type="radio"/> Static	IP Configuration	<input type="radio"/> DHCP <input checked="" type="radio"/> Static
IPv4 Address	192.168.1.10	IPv4 Address	192.168.0.10
Subnet Mask	255.255.255.0	Subnet Mask	255.255.255.0
IPv6 Configuration	<input type="radio"/> Automatic <input checked="" type="radio"/> Static	IPv6 Configuration	<input type="radio"/> Automatic <input checked="" type="radio"/> Static
IPv6 Address	2001:DB8:ACAD:1::10 / 64	IPv6 Address	2001:DB8:ACAD::10 / 64
Link Local Address	FE80::2E0:8FFF:FE2D:CD95	Link Local Address	FE80::260:70FF:FEA3:B85C

Figure 2: IP configuration for PC-A and PC-B

3.3 Configure the router

4 List of figures

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