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IT3A_L1
Network Management

11.4.5 Packet Tracer - Troubleshoot Default Gateway Issues

Part 1: Verify Network Documentation and Isolate Problems

Testing and Verification Documentation

Test	Successful?	Issues	Solution	Verified
PC1 to PC2	No	IP address on PC1	Set PC1 IP address to 192.168.10.10 with default gateway 192.168.10.1	Yes
PC1 to S1	No	Switch S1 had no IP address and default gateway	Configured S1 with IP 192.168.10.2 with default gateway 192.168.10.1 and no shutdown	Yes
PC1 to R1	No	R1 G0/0/0 was unassigned	Assign 192.168.10.1 to G0/0/0 and no shutdown	Yes
PC2 to R1	Yes	N/A	Confirmed ping after router fix	Yes
PC3 to PC4	No	PC3 default gateway was missing and S2 was not configured	Set PC3 IP to 192.168.11.10 with default gateway 192.168.11.1 then configure S2	Yes
PC3 to S2	No	Switch S2 VLAN1 had no IP	Configure S2 with IP 192.168.11.2 with default gateway 192.168.11.1	Yes

PC3 to R1	No	R1 G0/0/1 was unassigned	Assign 192.168.11.1 to G0/0/1 and no shutdown	Yes
PC4 to R1	Yes	N/A	Confirmed ping after router fix	Yes
PC1 to PC3	No then Yes	Initially failed because of no router IP sets	After configuring R1 interfaces, it worked	Yes
PC1 to PC4	No then Yes	Same as PC1 to PC3	Successful after fixes	Yes