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**OSI – TCP/IP**

**Models Comparison**

Documentation

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1.0.1:

1. using vlan 18 instead of wan subnets
2. use of vlan 18 for addressing switches
3. because of [1] the “correction” of the guide is the following:

ip route 0.0.0.0 0.0.0.0 192.10.4.1

ip route 10.0.10.0 255.255.255.0 145.0.10.2

ip route 192.168.10.0 255.255.255.0 145.0.10.2

ip route 172.16.10.0 255.255.255.0 145.0.10.2

ip route 10.1.10.0 255.255.255.0 145.0.10.2

ip route 172.1.10.0 255.255.255.0 145.0.10.2

ip route 0.0.0.0 0.0.0.0 192.10.4.1

ip route 10.0.10.0 255.255.255.0 10.12.10.1

ip route 192.168.10.0 255.255.255.0 10.12.10.1

ip route 172.16.10.0 255.255.255.0 10.12.10.1

ip route 10.1.10.0 255.255.255.0 10.12.10.1

ip route 172.1.10.0 255.255.255.0 10.12.10.1

ip route 10.12.10.0 255.255.255.240 10.12.10.1

# Route Reconfiguration Commands

# This appears to be for Router R1 based on the routing changes

# Step 1: Enter configuration mode

configure terminal

# Step 2: Remove OLD routes (using 'no' command)

no ip route 10.0.10.0 255.255.255.0 145.0.10.2

no ip route 192.168.10.0 255.255.255.0 145.0.10.2

no ip route 172.16.10.0 255.255.255.0 145.0.10.2

no ip route 10.1.10.0 255.255.255.0 145.0.10.2

no ip route 172.1.10.0 255.255.255.0 145.0.10.2

# Step 3: Add NEW routes

ip route 0.0.0.0 0.0.0.0 192.10.4.1

ip route 10.0.10.0 255.255.255.0 10.12.10.1

ip route 192.168.10.0 255.255.255.0 10.12.10.1

ip route 172.16.10.0 255.255.255.0 10.12.10.1

ip route 10.1.10.0 255.255.255.0 10.12.10.1

ip route 172.1.10.0 255.255.255.0 10.12.10.1

ip route 10.12.10.0 255.255.255.240 10.12.10.1

1. command not used, enabled by default:

*spanning-tree mode pvst*

1. command not used, not supported by switch image:

*no switchport*

1. command changed, chatgpt suggests is bad practice not to point real ip router:

*ip route 0.0.0.0 0.0.0.0 10.12.10.1*

*ip router 0.0.0.0 0.0.0.0 10.12.10.x*

1. the ports 0/0 – 0/1 belong to the router motherboard in Cisco 3725 with NM-16ESW (current switch)