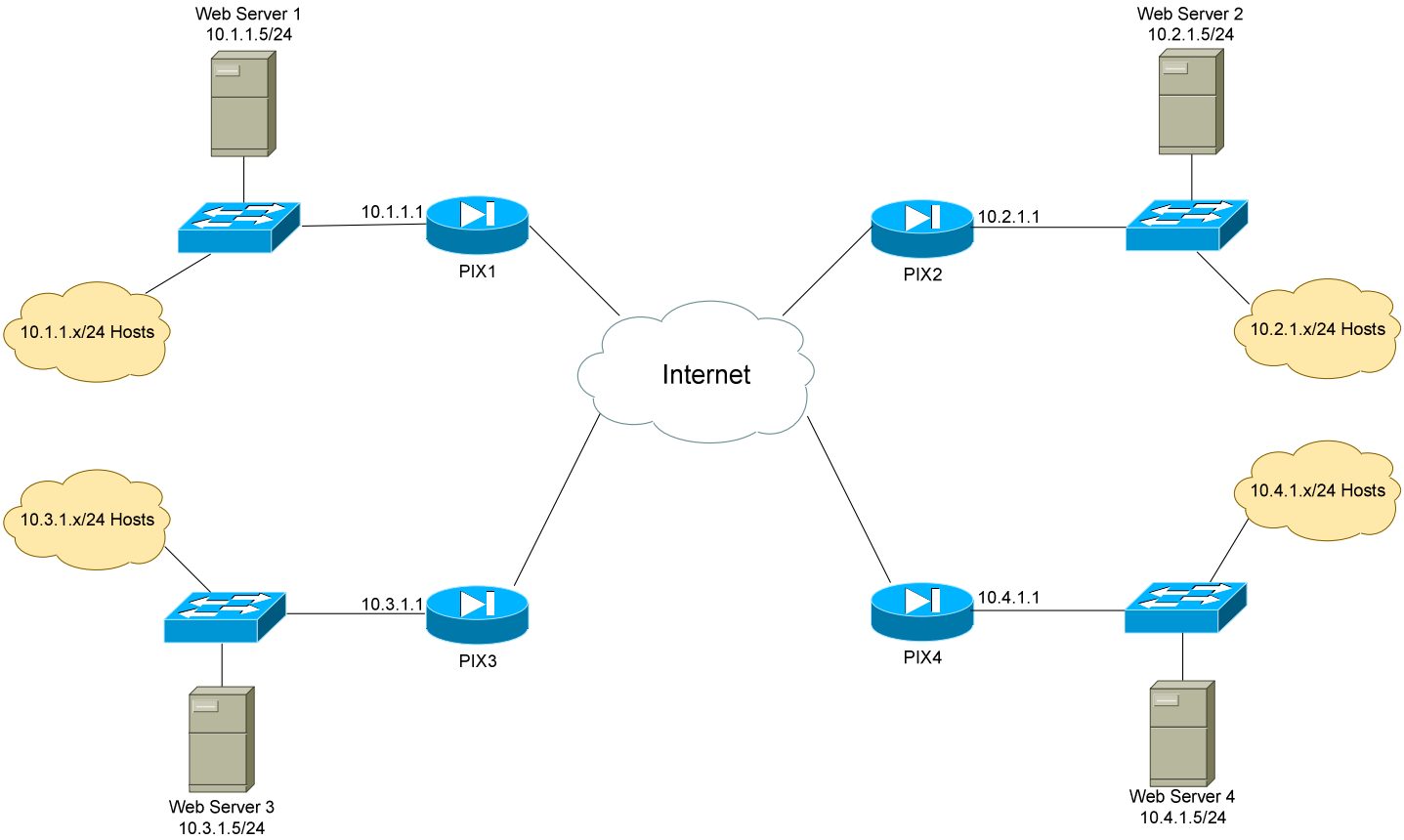
- PIX NAT and Packet Filtering Lab -

Configuring PIX NAT and Packet Filtering – Lab



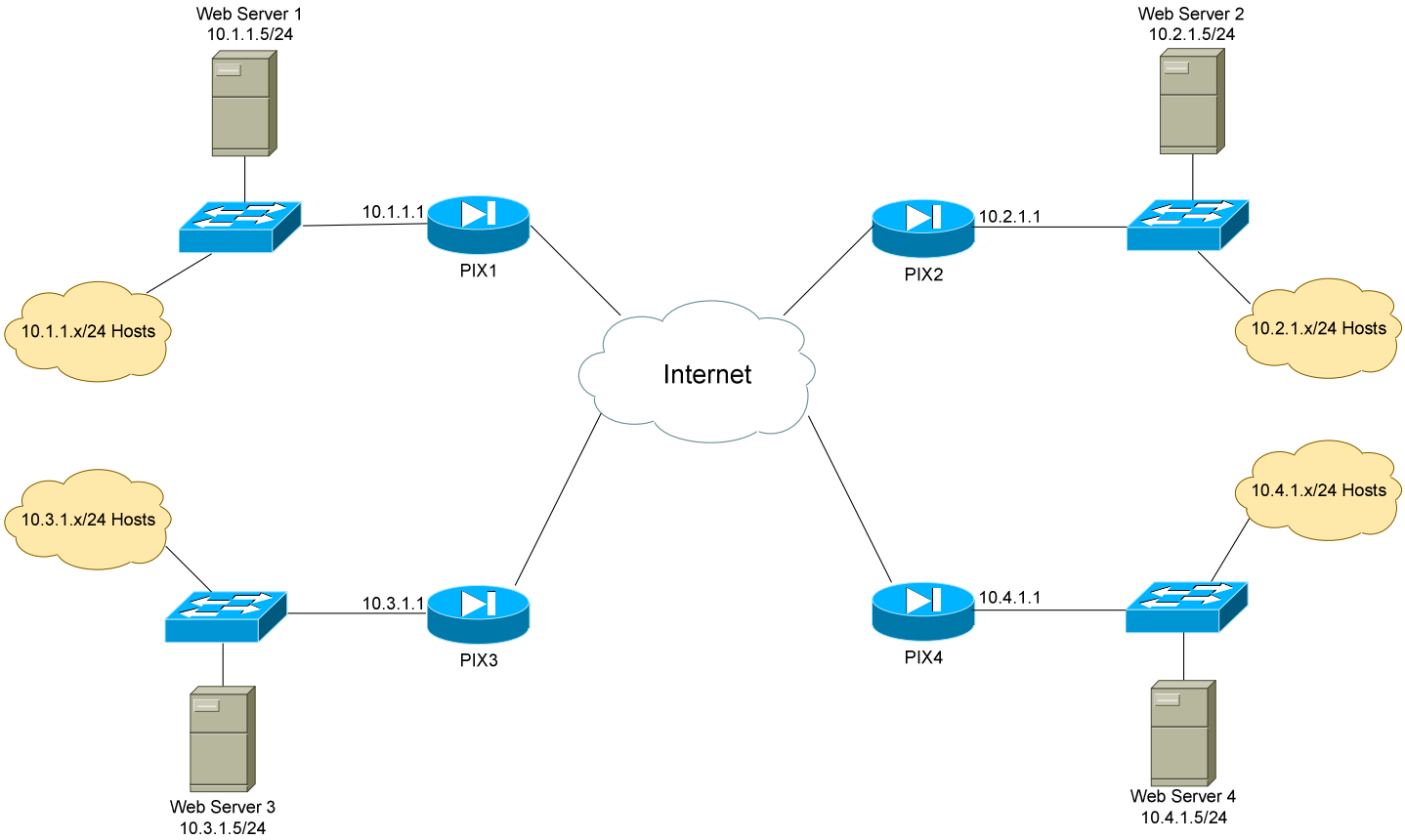
Basic Objectives:

1. Configure and cable the Ethernet interfaces as indicated in the above diagram.

2. Configure a web server for each network, and apply an IP address as diagrammed.

3. Your instructor will configure a router or Layer-3 switch to function as a pseudo "Internet."

Configuring PIX NAT and Packet Filtering – Lab (continued)



PIX Objectives:

4. Each network has been assigned a pool of public addresses, in the YY.YY.YY.64/29 range, where "Y" is the network or PIX number. For example, the network containing PIX3 has been assigned the 33.33.33.64/29 range of public addresses.

5. The first usable address in each public range will be the next-hop address to the Internet. The second usable address in each public range should be applied to the outside interface of each PIX.

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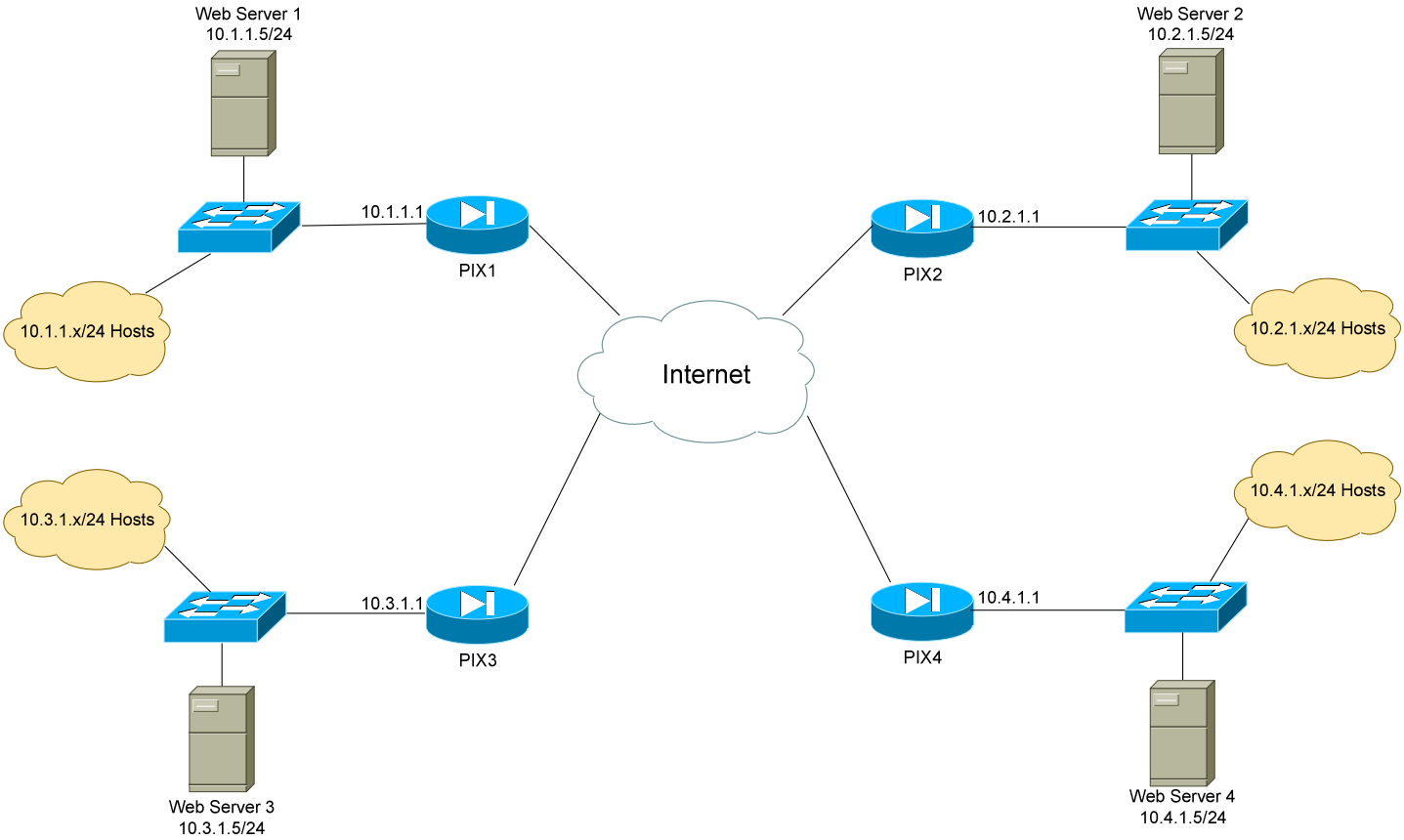
Configuring PIX NAT and Packet Filtering – Lab (continued)



NAT Objectives:

6. The last address in the public range should be statically NATed to the HTTP port of the inside webserver.

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7. Ensure that hosts on each local LAN are NAT'ed using PAT when accessing the Internet. Use a public address of your choosing.

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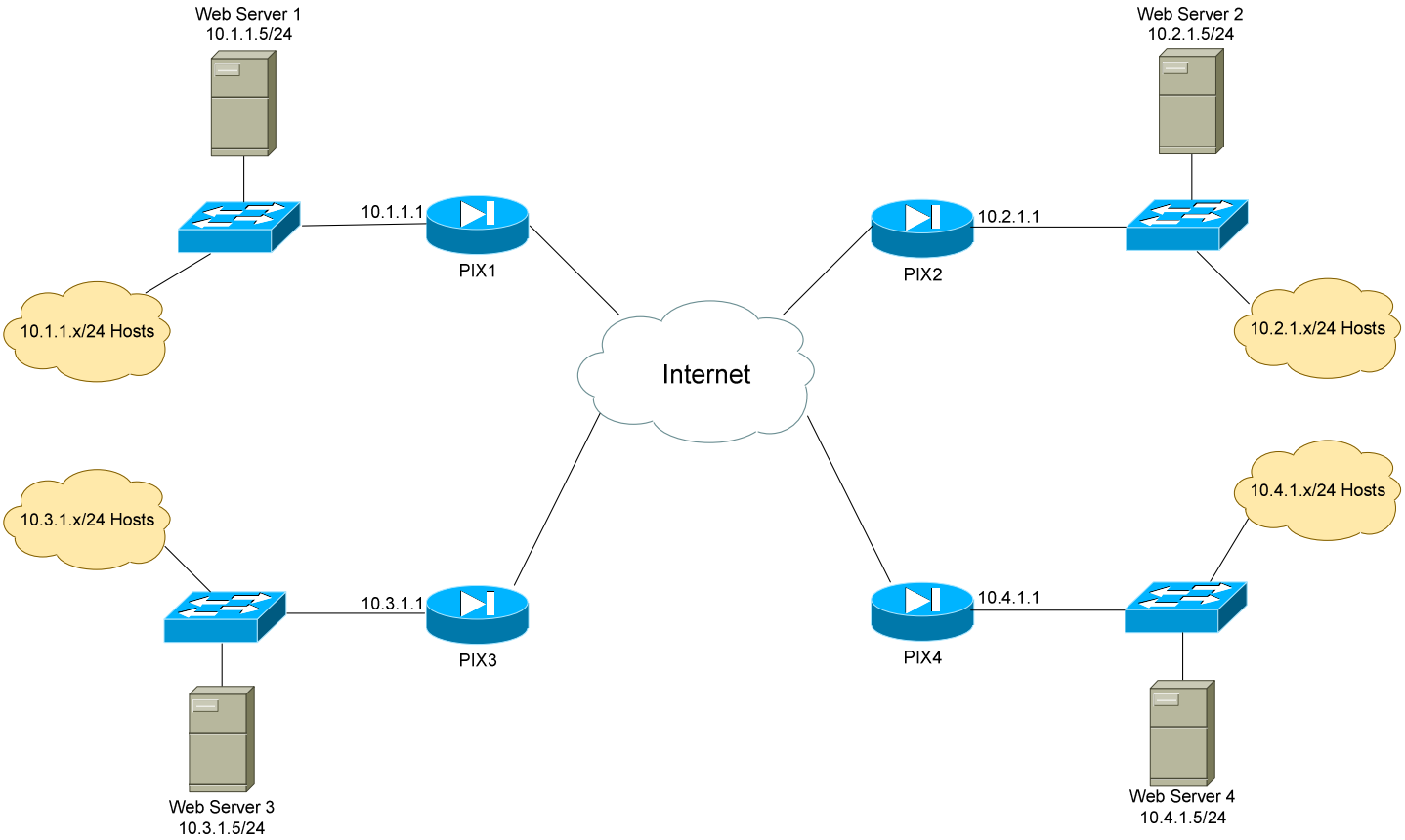
Configuring PIX NAT and Packet Filtering – Lab (continued)



Packet Filtering Objectives:

8. Ensure that each network can reach the webservers on every other network. You must be able to both ping and HTTP to these web servers.

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9. Ensure that all interfaces on each PIX are pingable.

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10. Configure each PIX for SSH access.

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