Computer Networks

Lab Task #14

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20P-0051

**Topology:**

3x labs

1x academics building

1x Server room

**Requirements:**

4x Routers

5x switches

PCs

Server

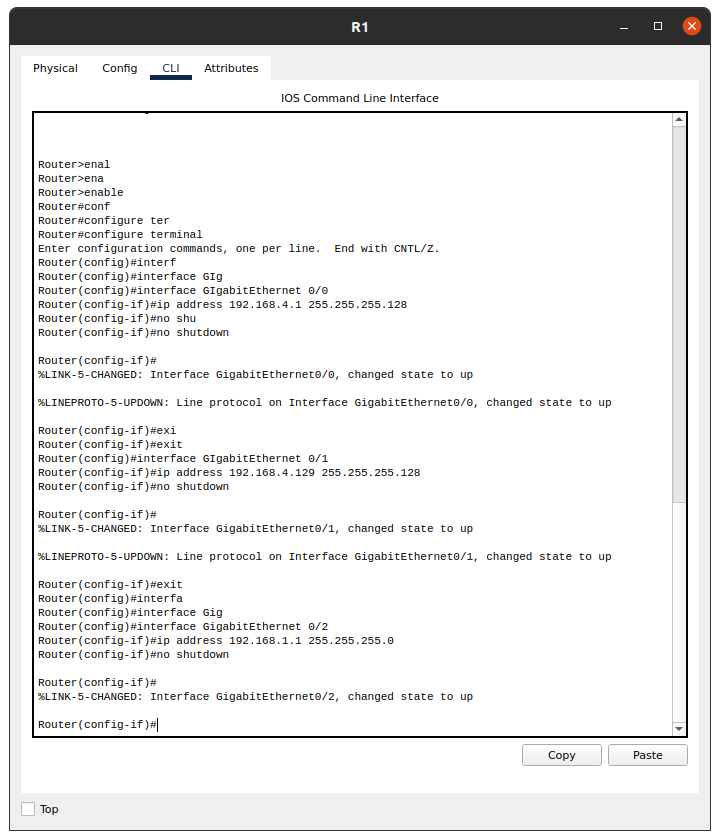
**Networks:**

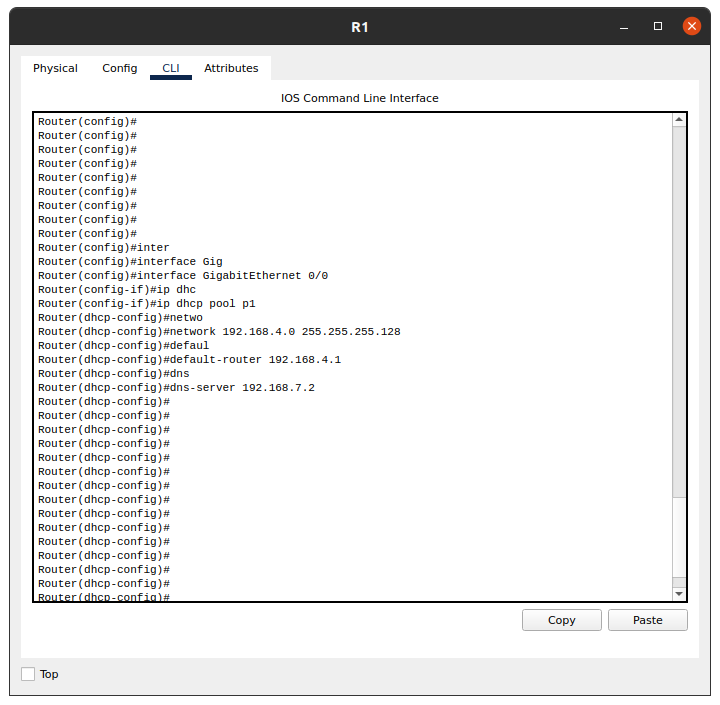
there will be 7 networks in this topology.

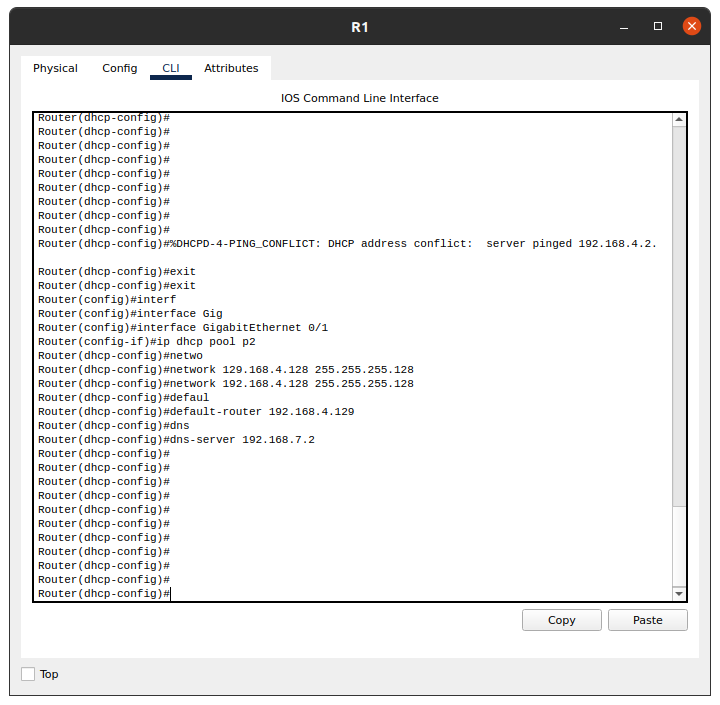
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**Configuring Routers:**

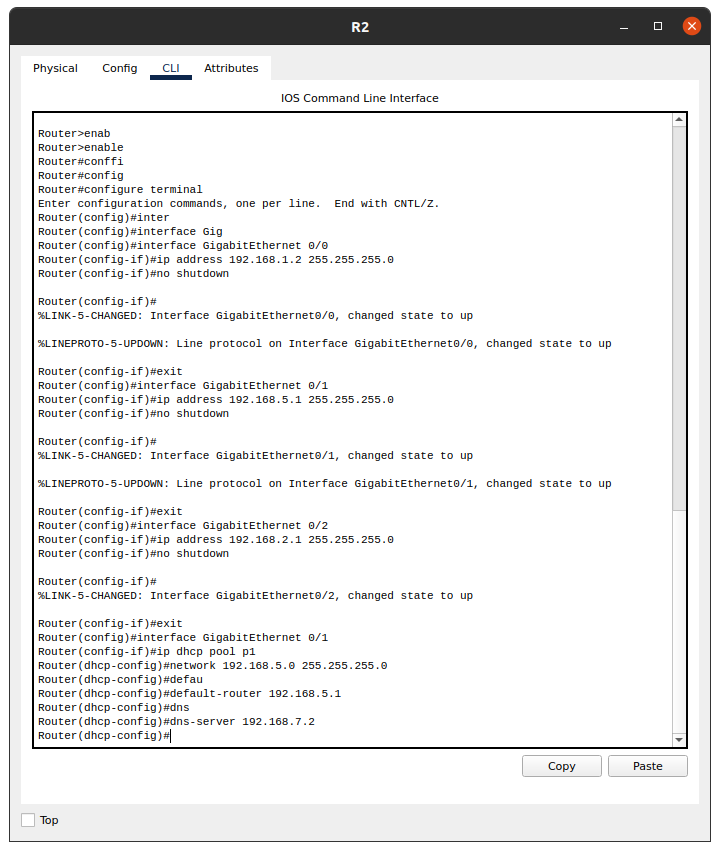
**Router #1**

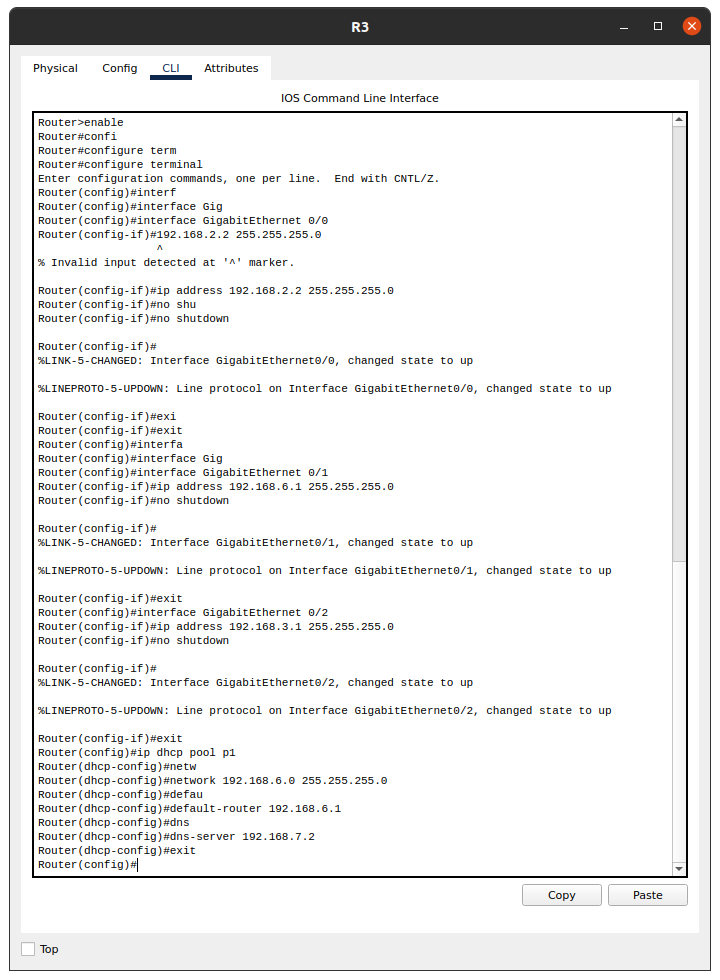




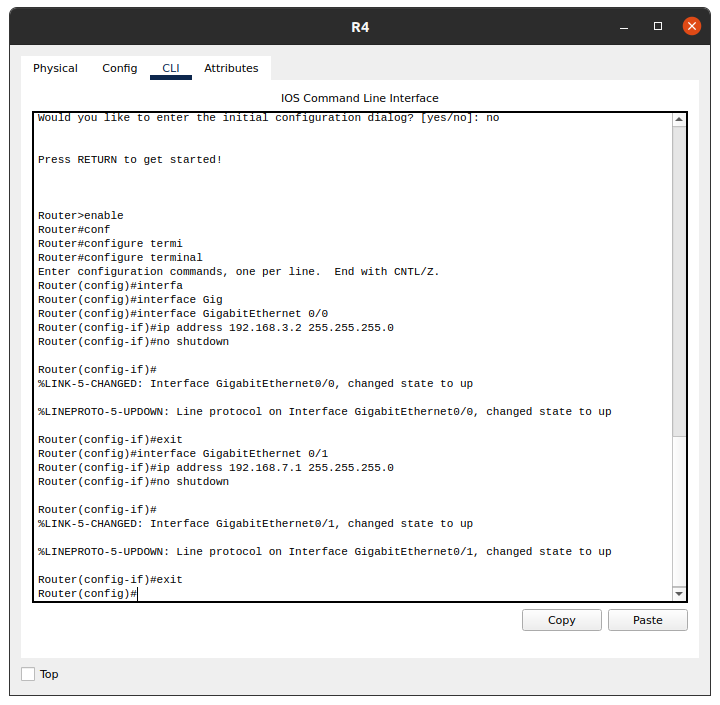


**Router #2**



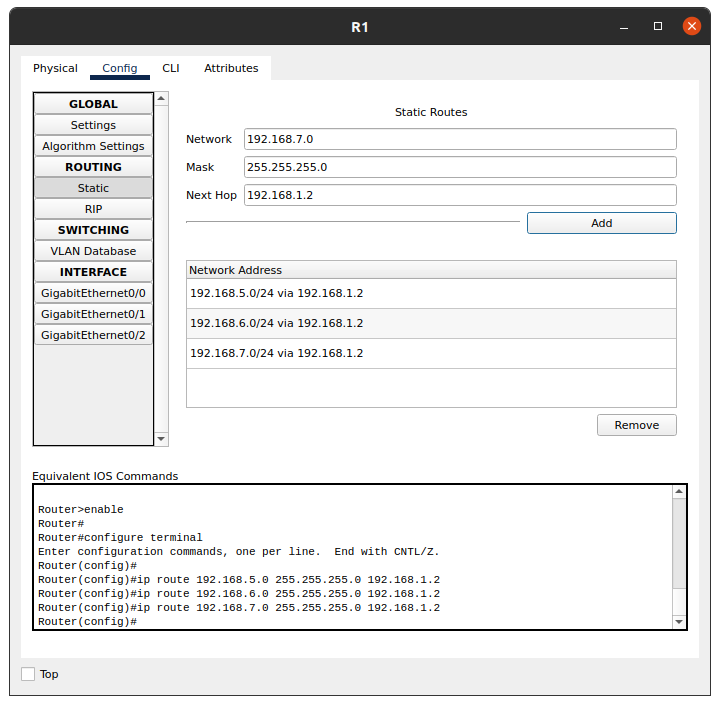
**Router#3**

**Router#4**

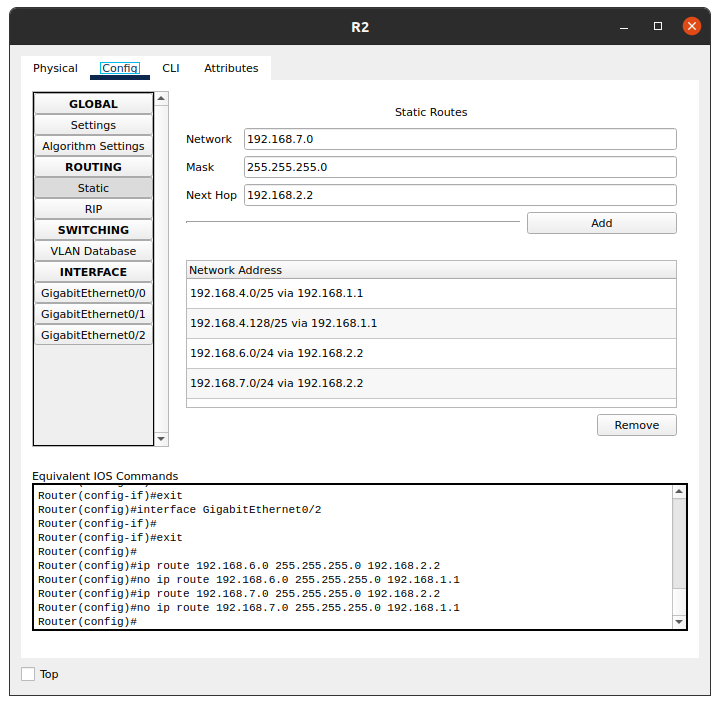


**Configuring static routing**

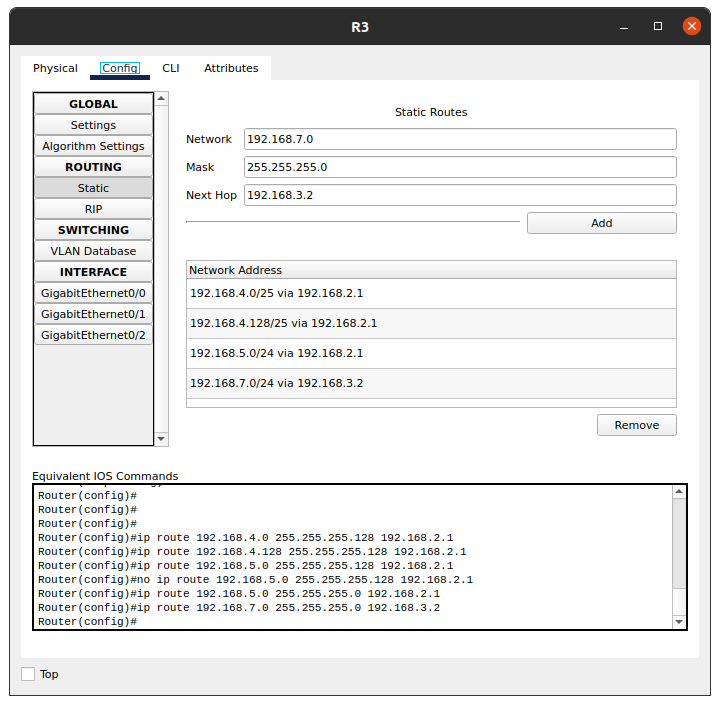
**Router#1**



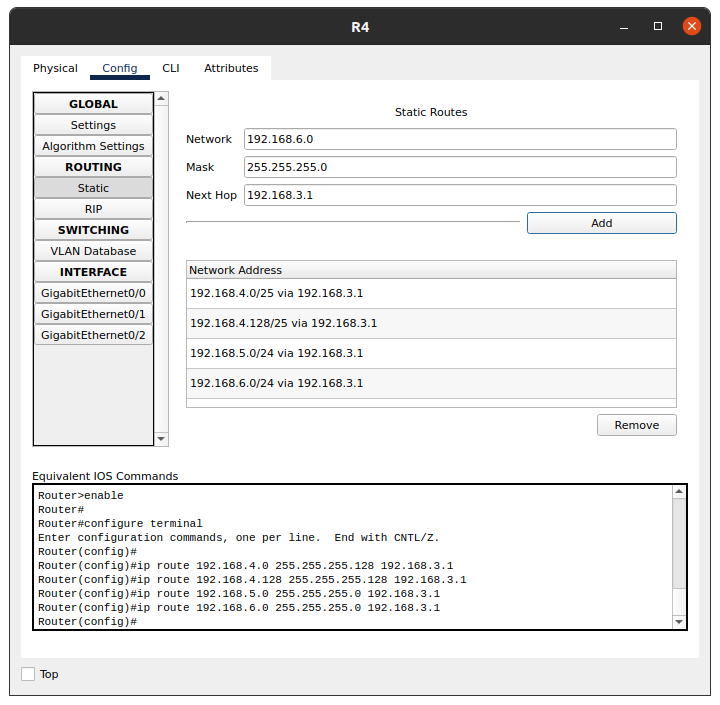
**Router #2**



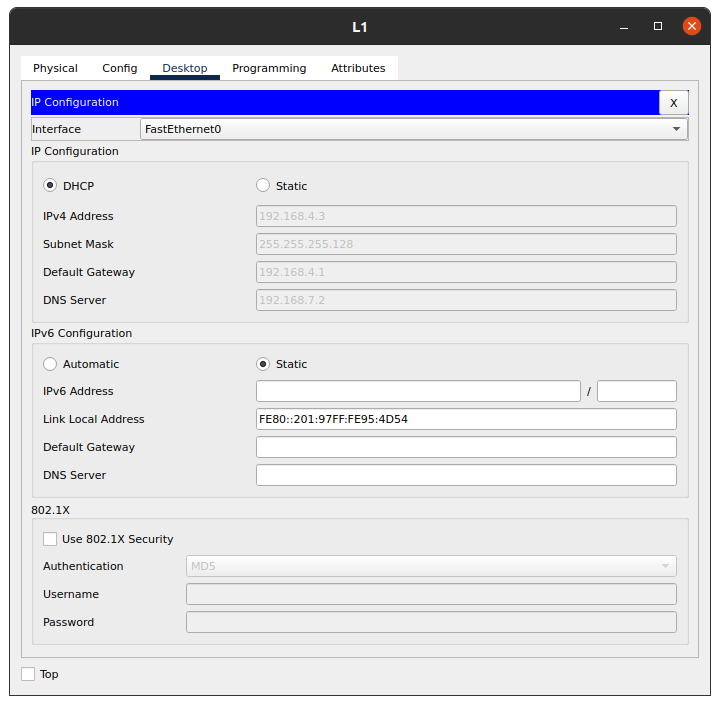
**Router #3**

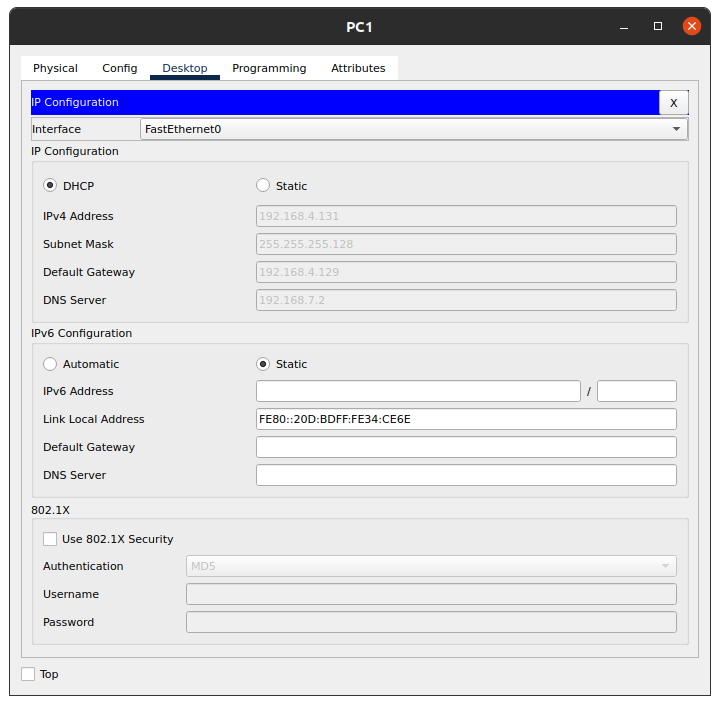


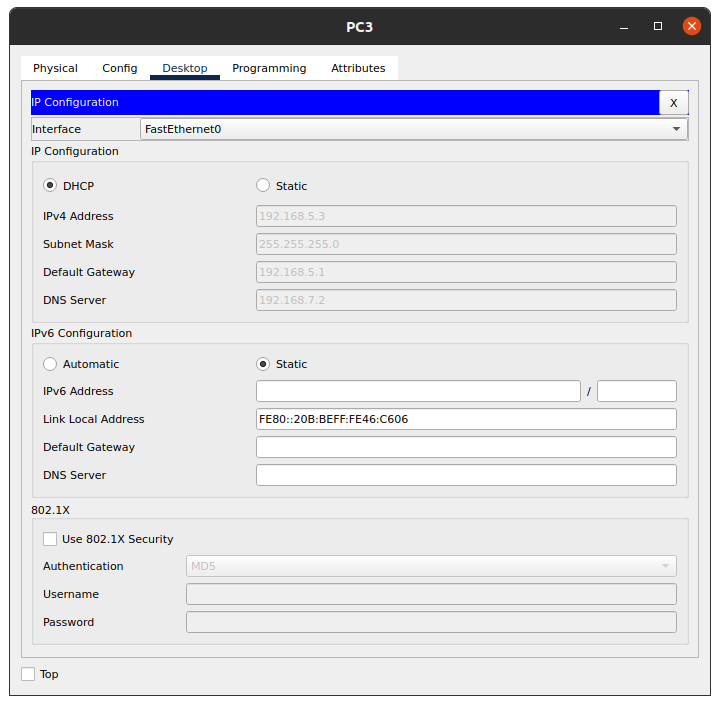
**Router#4**

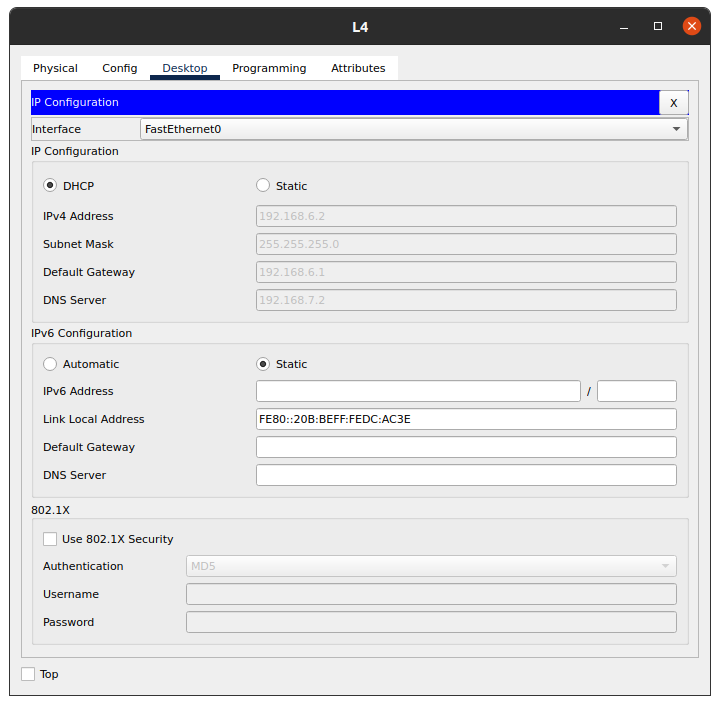


**Configuring PCs using DHCP in routers and assigning dynamic IPs.**

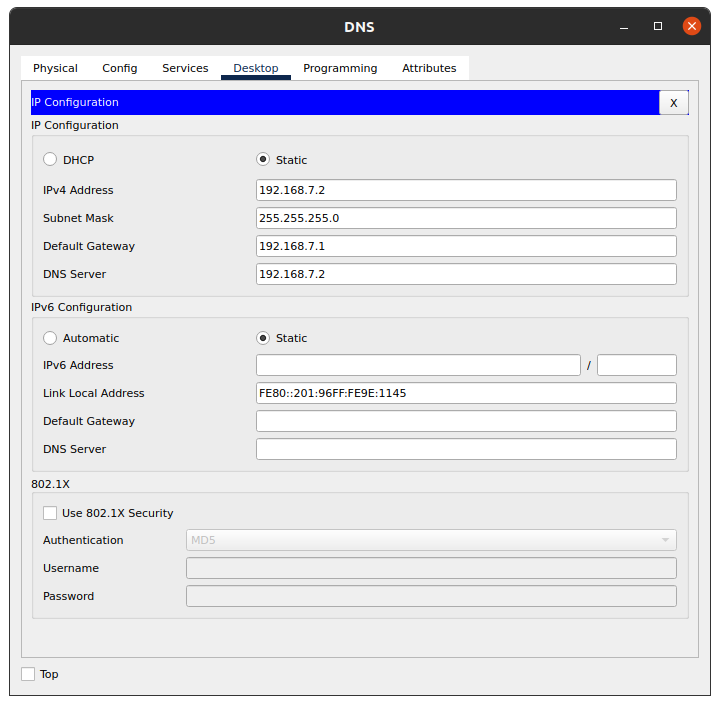


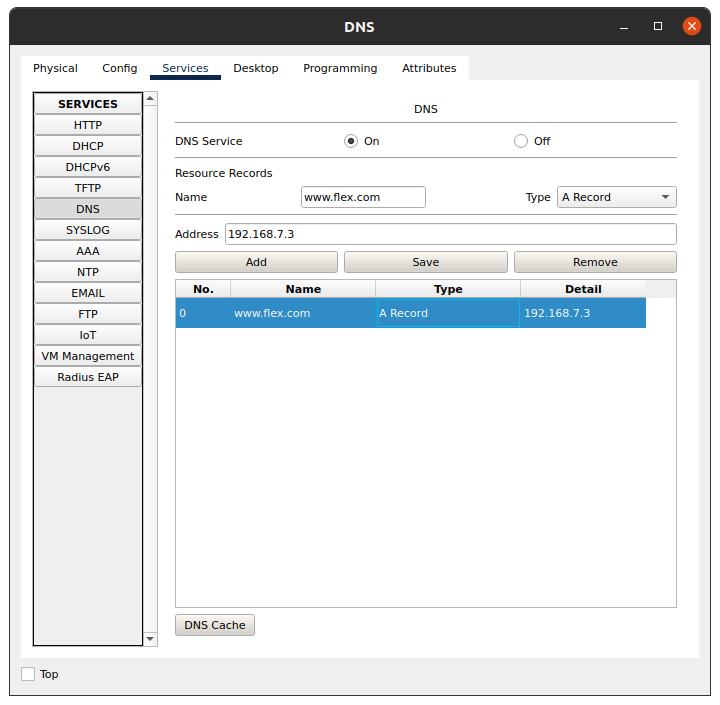




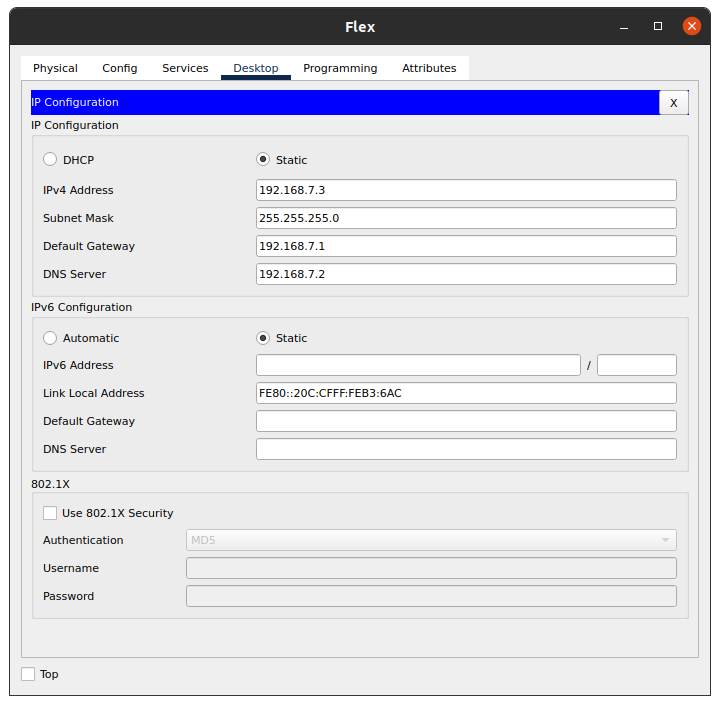


**Configuring DNS**





**Configuring Flex server**



**Testing the connections:**

