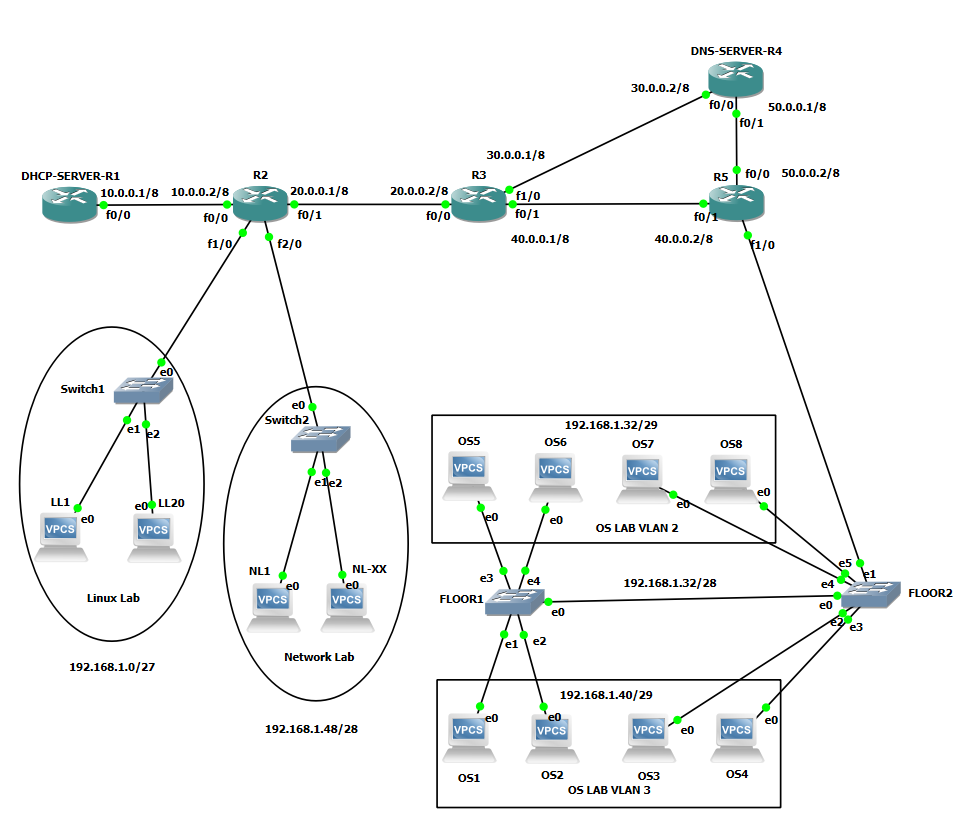
**CN LAB-11**

Disha Jain – 220905554 – B2



1)Configure each of the router interfaces

A screenshot of a computer code

Description automatically generated

2)Configure VLAN

* LL1 – 192.168.1.1/27
* NL1 – 192.168.1.49/28
* **OS LAB VLAN3**

Network address - 192.168.1.32/29

Default gateway - 192.168.1.38/29

Broadcast address – 192.168.1.39/29

OS1 – 192.168.1.34/29

* **OS LAB VLAN2**

Network address - 192.168.1.40/29

Default gateway - 192.168.1.46/29

Broadcast address – 192.168.1.47/29

OS5 – 192.168.1.41/29

* **Floor 1**

A screenshot of a computer

Description automatically generated

* **Floor 2**

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Description automatically generated

* **Configuring R5 interface as trunk port**

A screen shot of a computer

Description automatically generated

* **Configure the servers OS1,OS5,LL1,NL1**

A screen shot of numbers

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3)Configure DNS

A screen shot of a computer

Description automatically generated

4)Configure routing (dynamic and static)

Note: If network has cycle of routers, don’t just rely on rip. Along with it had to add ip route commands wherever necessary.

A screenshot of a computer code

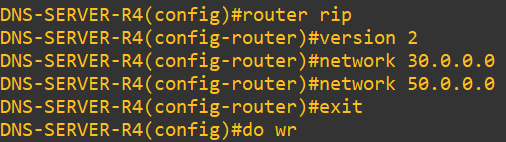
Description automatically generated

A screenshot of a computer screen

Description automatically generated

A screenshot of a computer code

Description automatically generated



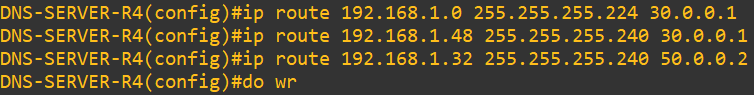
A screenshot of a computer program

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A number on a black background

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5)Test DNS by pinging

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6)Configure DHCP

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7)Configure relay agents

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A screen shot of a computer program

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8)Final test of DHCP and DNS

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