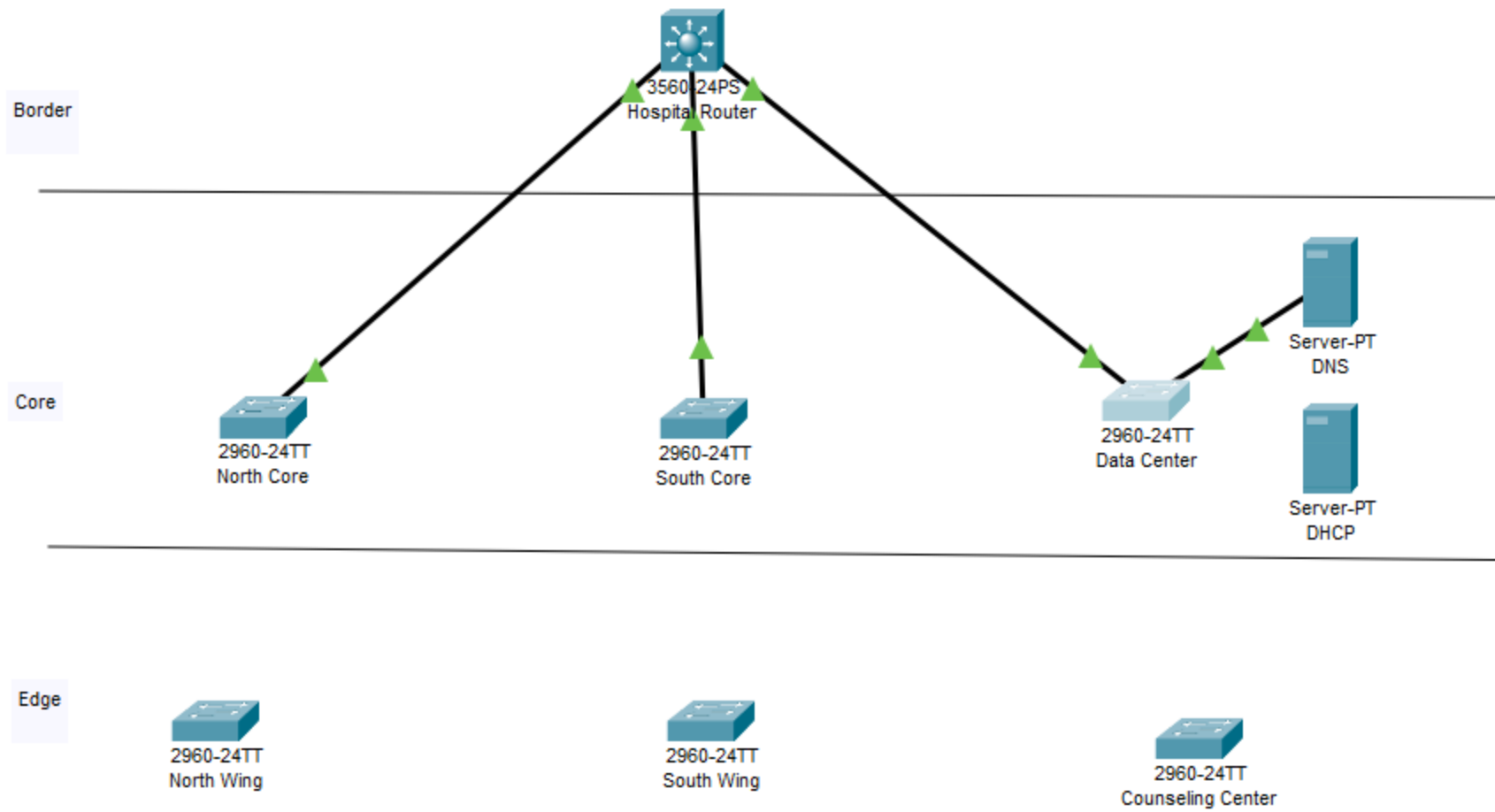


David Thomsen

Assigned Network:

**10.16.0.0/8**

VLAN	VLAN_NAME	Hosts Needed	Network	Netmask	Router Address	Range
10	Clinic	300	10.16.0.0	/23 (255.255.254.0)	10.16.0.0	10.16.0.1 - 10.16.1.254
20	Visitor	300	10.16.2.0	/23 (255.255.254.0)	10.16.2.1	10.16.2.1 - 10.16.3.254
30	Office	300	10.16.4.0	/23 (255.255.254.0)	10.16.4.1	10.16.4.1 - 10.16.5.254
40	Counseling	150	10.16.6.0	/24 (255.255.255.0)	10.16.6.1	10.16.6.1 - 10.16.6.254
1	Default	150	10.16.7.0	/24 (255.255.255.0)	10.16.7.1	10.16.7.1 - 10.16.7.254



Physical Config Desktop Programming Attributes

**GLOBAL**

Settings

Algorithm Settings

**INTERFACE**

FastEthernet0

Bluetooth

FastEthernet0

Port Status

Bandwidth

☒ 100 Mbps ☐ 10

Duplex

☐ Half Duplex ☒ Full D

MAC Address

0030.A316.D6AB

IP Configuration

☒ DHCP

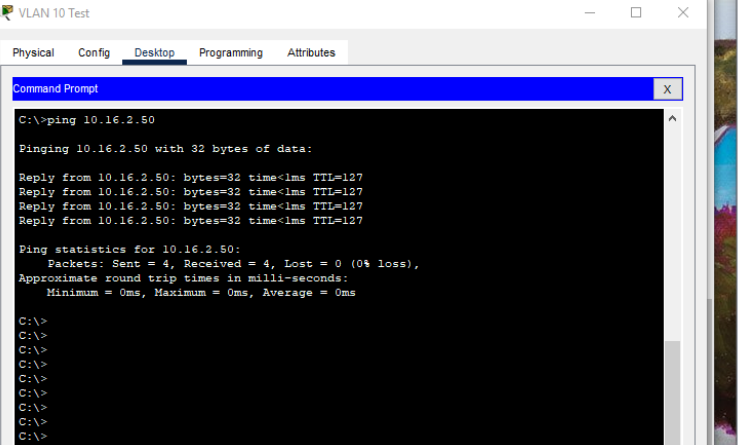
☐ Static

IPv4 Address

10.16.0.50

Subnet Mask

255.255.254.0



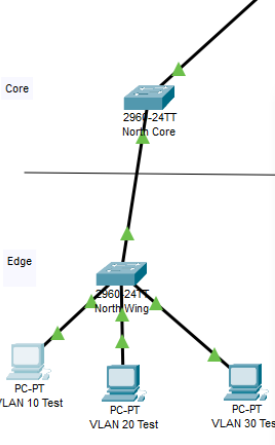
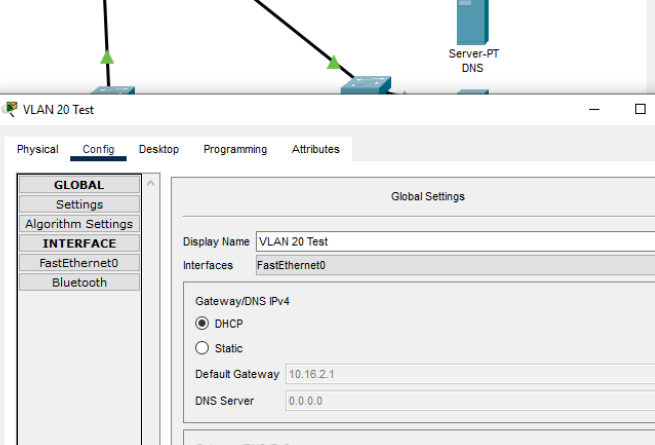
```

C:\>ping 10.16.2.50

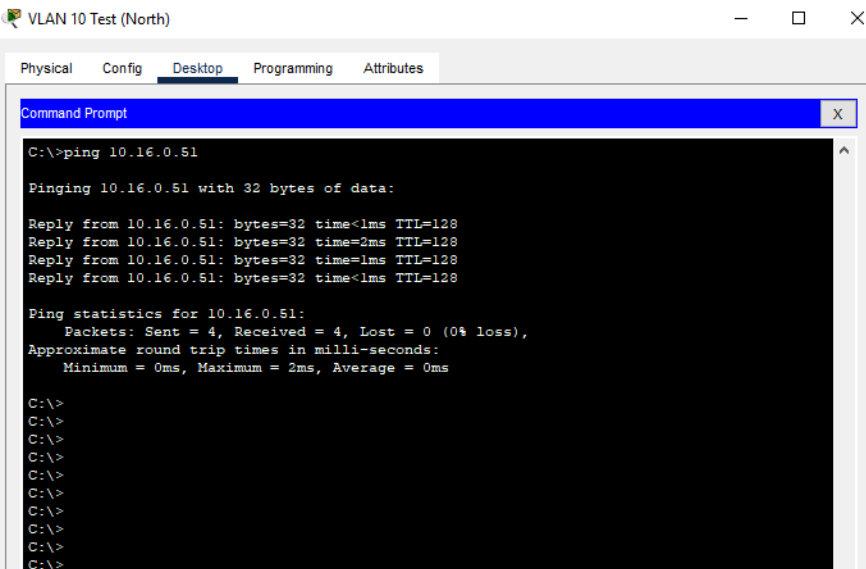
Pinging 10.16.2.50 with 32 bytes of data:

Reply from 10.16.2.50: bytes=32 time<1ms TTL=127
Reply from 10.16.2.50: bytes=32 time<1ms TTL=127
Reply from 10.16.2.50: bytes=32 time<1ms TTL=127
Reply from 10.16.2.50: bytes=32 time<1ms TTL=127

Ping statistics for 10.16.2.50:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
        
```

(Ping from VLAN 10 Test (North) to VLAN 20 Test (North))



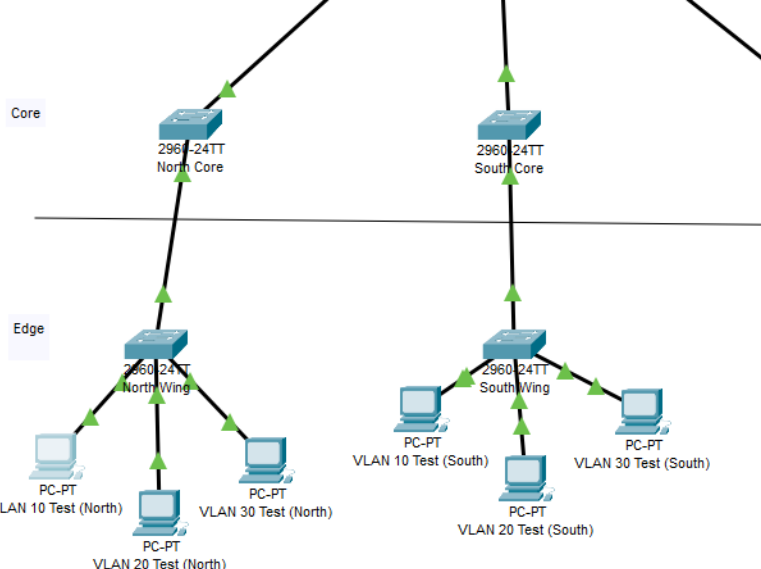
```

C:\>ping 10.16.0.51

Pinging 10.16.0.51 with 32 bytes of data:

Reply from 10.16.0.51: bytes=32 time<1ms TTL=128
Reply from 10.16.0.51: bytes=32 time=2ms TTL=128
Reply from 10.16.0.51: bytes=32 time<1ms TTL=128
Reply from 10.16.0.51: bytes=32 time<1ms TTL=128

Ping statistics for 10.16.0.51:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 0ms
        
```



(Ping from VLAN 10 Test (North) to VLAN 10 Test (South))

VLAN 20 Test (North)

Physical Config Desktop Programming Attributes

Command Prompt

```
C:\>ping dns.sixteen.com

Pinging 10.16.7.3 with 32 bytes of data:

Reply from 10.16.7.3: bytes=32 time=1ms TTL=127
Reply from 10.16.7.3: bytes=32 time<1ms TTL=127
Reply from 10.16.7.3: bytes=32 time=2ms TTL=127
Reply from 10.16.7.3: bytes=32 time<1ms TTL=127

Ping statistics for 10.16.7.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>
C:\>
C:\>
```

