CN ASSIGNMENT-2

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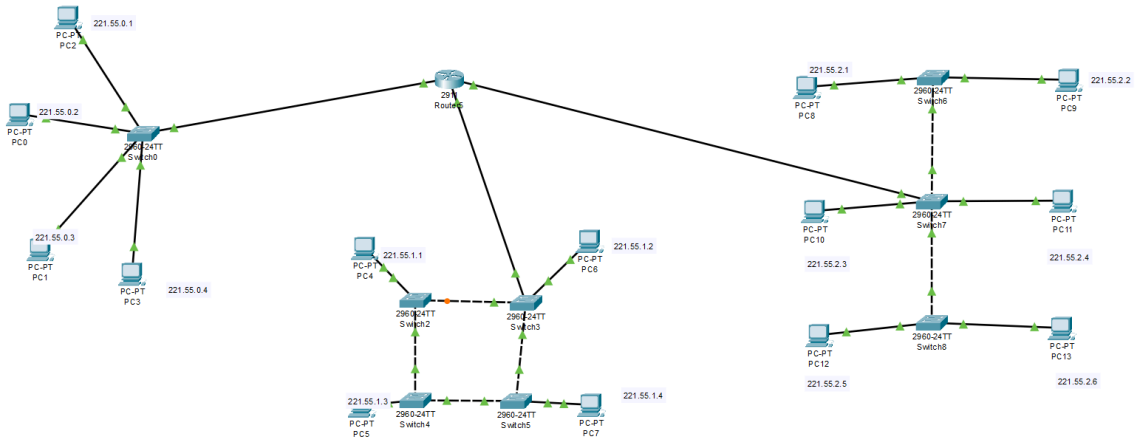
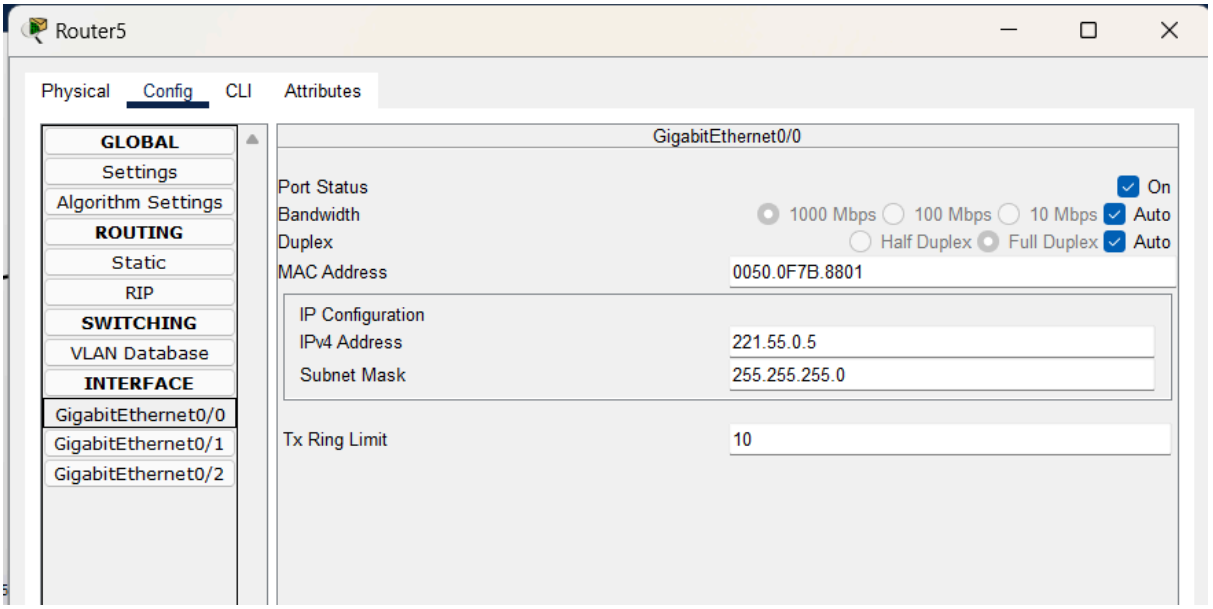
1. Create 3 LAN networks connected via a single Router (CPT). Choose appropriate router, connection and configure it. Each LAN network is configured via Tree, Star and Ring topologies respectively.

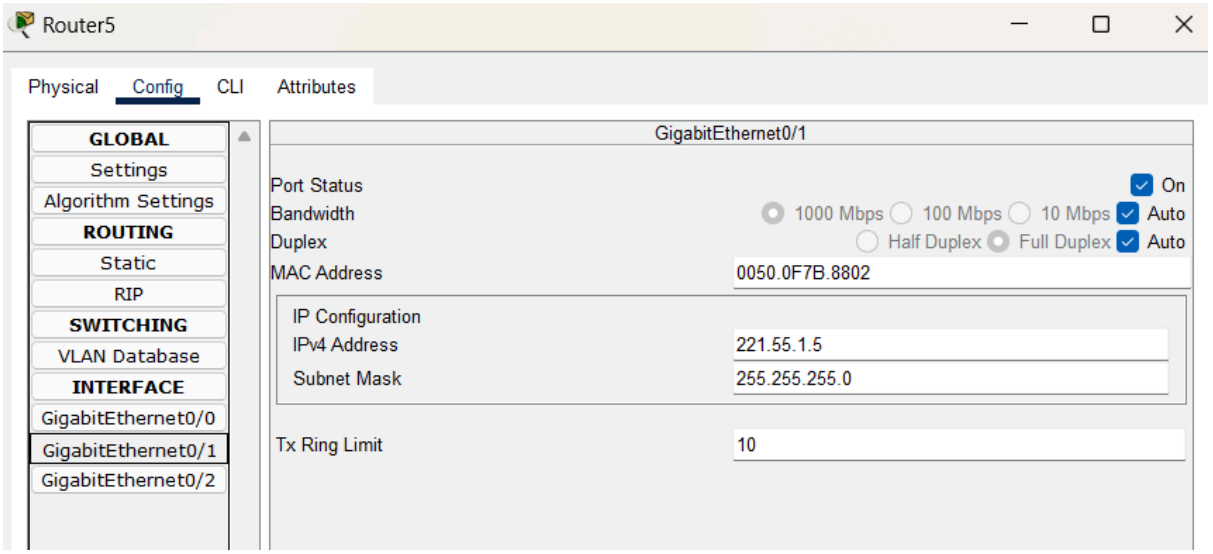
→The 3LAN networks used here is star topology, ring topology and tree topology and one router.

- star topology (221.55.0.1 to 221.55..0.4)
- ring topology (221.55.1.1 to 221.55.1.4)
- tree topology (221.55.2.1 to 221.55.2.6)

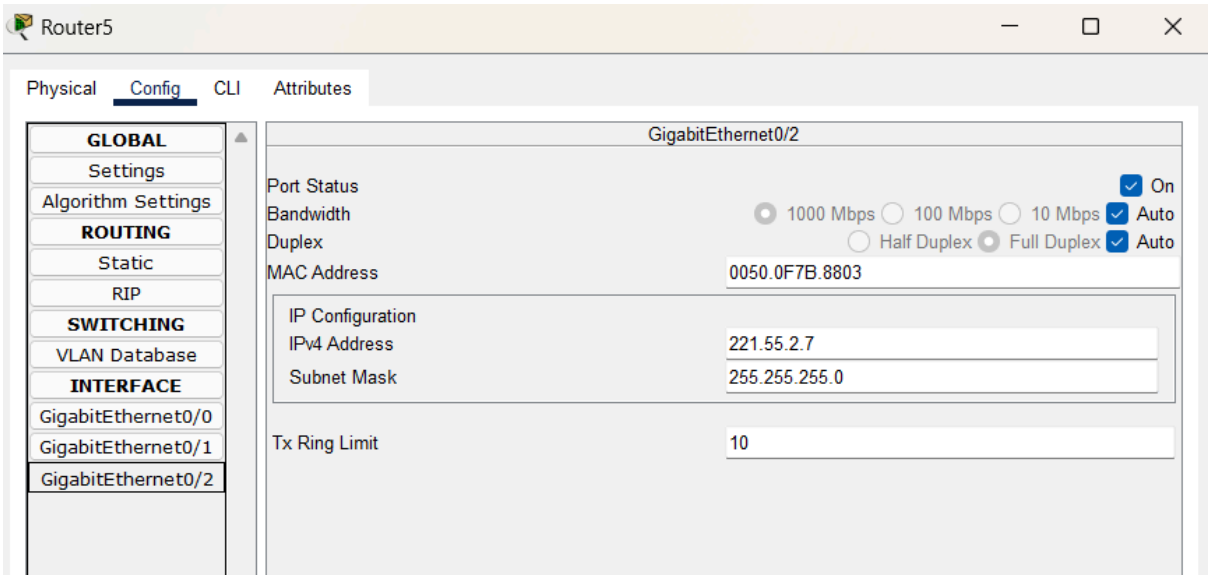




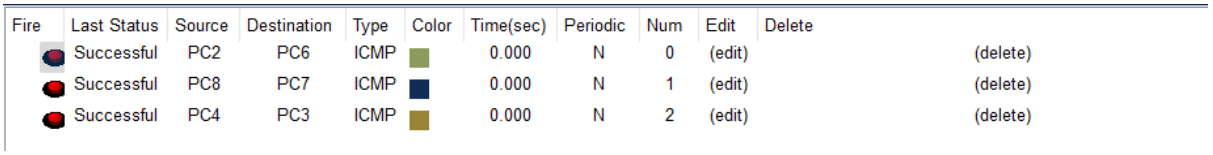
→Router config from star topology to router



→Router config from ring topology to router



→Router config from tree topology to router



Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC2	PC6	ICMP		0.000	N	0	(edit)	(delete)
	Successful	PC8	PC7	ICMP		0.000	N	1	(edit)	(delete)
	Successful	PC4	PC3	ICMP		0.000	N	2	(edit)	(delete)

→Pinging from 221.55.0.1 to 221.55.1.1

```
C:\>ping 221.55.1.1

Pinging 221.55.1.1 with 32 bytes of data:

Reply from 221.55.1.1: bytes=32 time<1ms TTL=127
Reply from 221.55.1.1: bytes=32 time<1ms TTL=127
Reply from 221.55.1.1: bytes=32 time=1ms TTL=127
Reply from 221.55.1.1: bytes=32 time<1ms TTL=127

Ping statistics for 221.55.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

→Pinging from 221.55.1.1 to 221.55.2.1

```
C:\>ping 221.55.2.1

Pinging 221.55.2.1 with 32 bytes of data:

Reply from 221.55.2.1: bytes=32 time<1ms TTL=127
Reply from 221.55.2.1: bytes=32 time<1ms TTL=127
Reply from 221.55.2.1: bytes=32 time<1ms TTL=127
Reply from 221.55.2.1: bytes=32 time=1ms TTL=127

Ping statistics for 221.55.2.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

→Pinging from 221.55.2.1 to 221.55.0.1

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 221.55.0.1

Pinging 221.55.0.1 with 32 bytes of data:

Reply from 221.55.0.1: bytes=32 time<1ms TTL=127
Reply from 221.55.0.1: bytes=32 time<1ms TTL=127
Reply from 221.55.0.1: bytes=32 time<1ms TTL=127
Reply from 221.55.0.1: bytes=32 time<1ms TTL=127

Ping statistics for 221.55.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```