COMPUTER NETWORK COURSE, SEM 2021-1

FINAL-TERM EXAMINATION
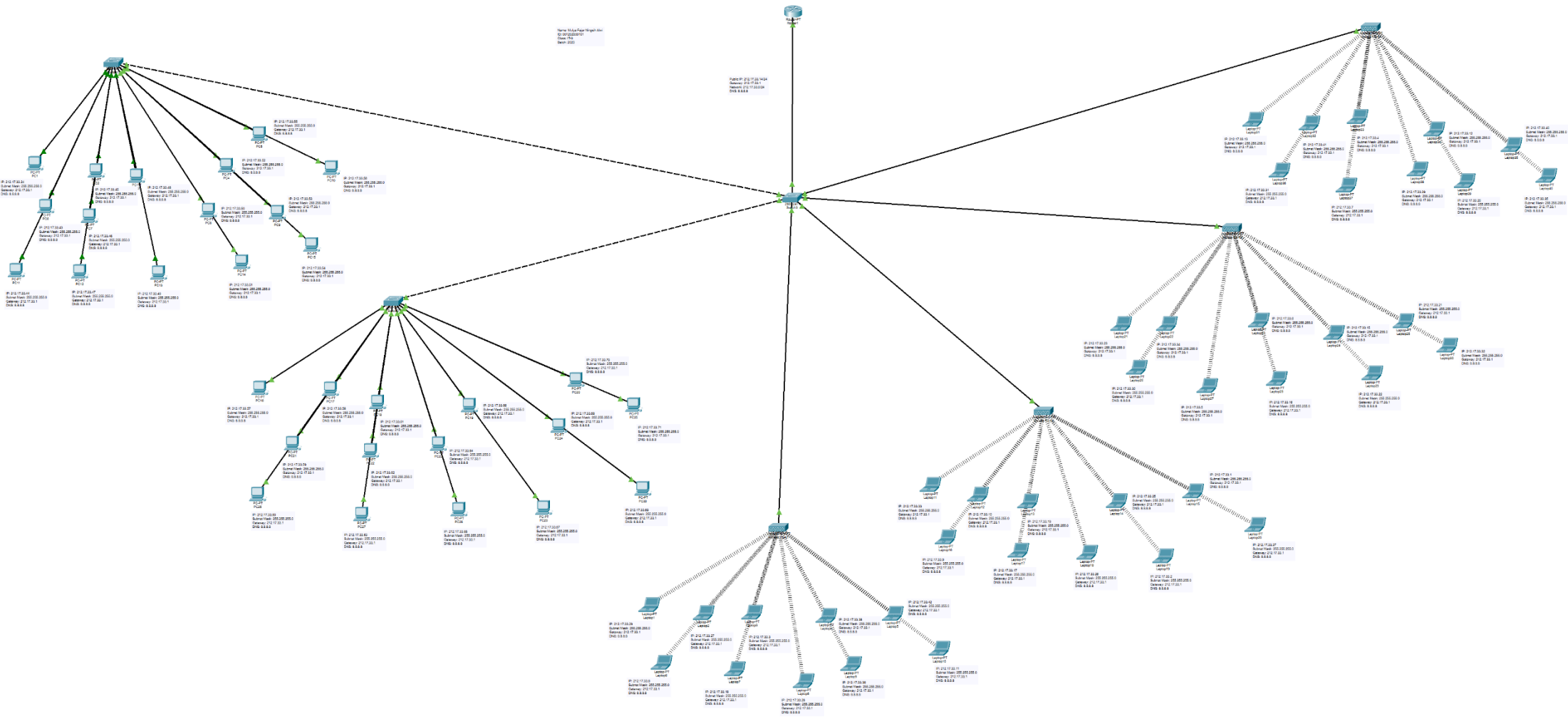
Submitted by:

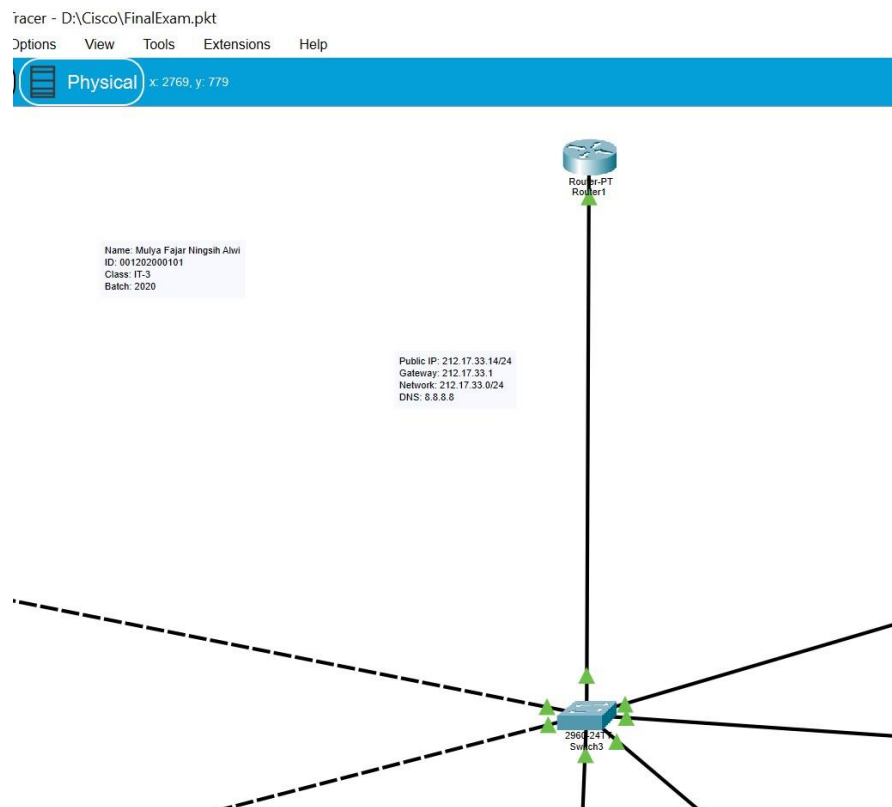# Mulya Fajar Ningsih Alwi

(001202000101)

IT-2020 CLASS 3

Topology Design

Router 1 and Switch 3

Router 1 CLI Config

Switch 1 (15 Wired PC (PC 1 – PC 15))
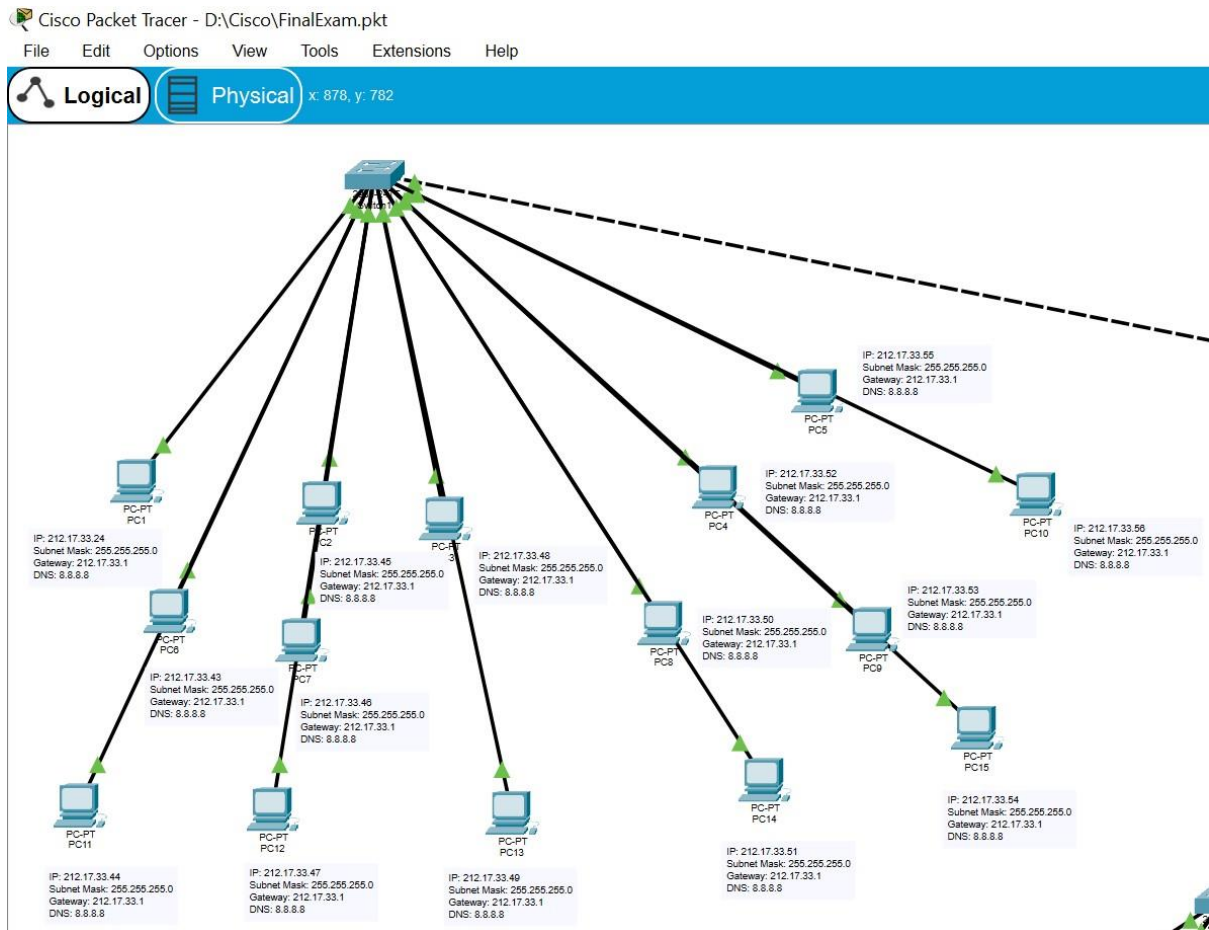
Switch 1 (PC IP Config using DHCP)

Switch 2 (15 Wired PC (PC 16 – PC 30))

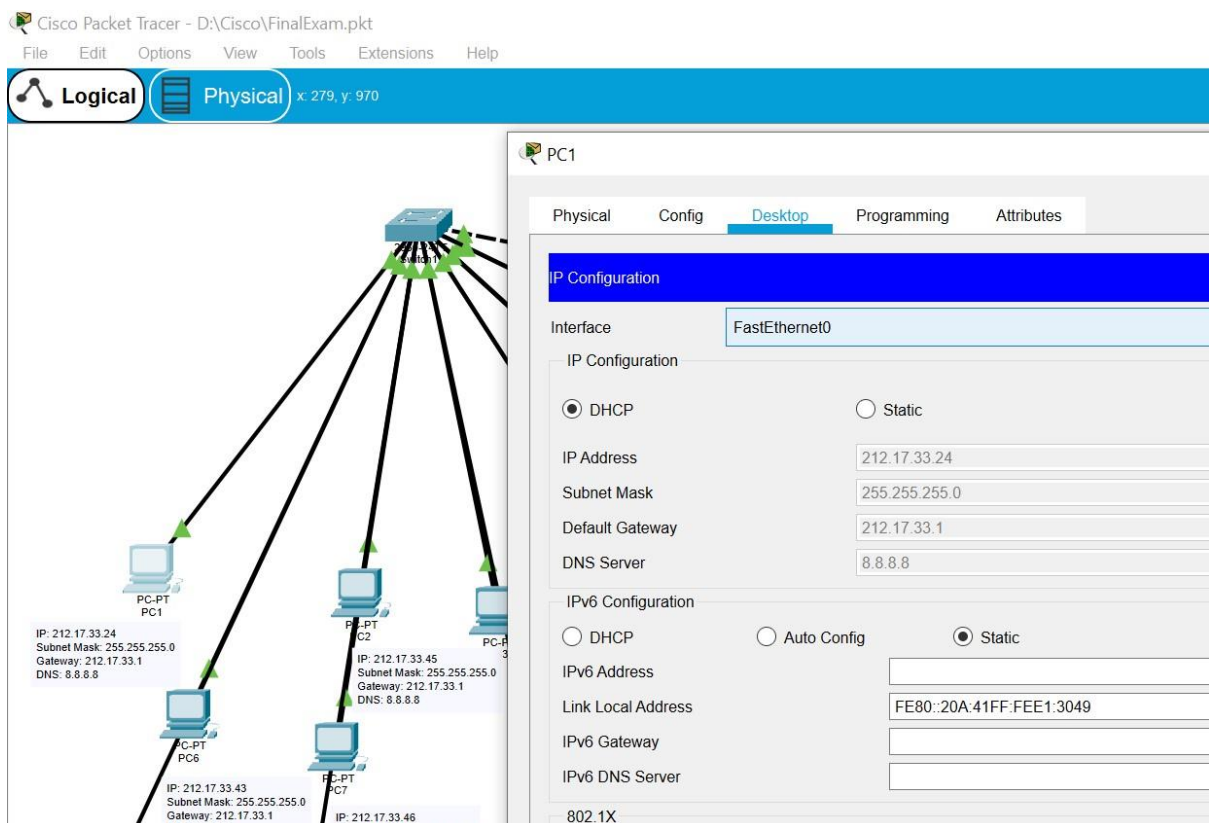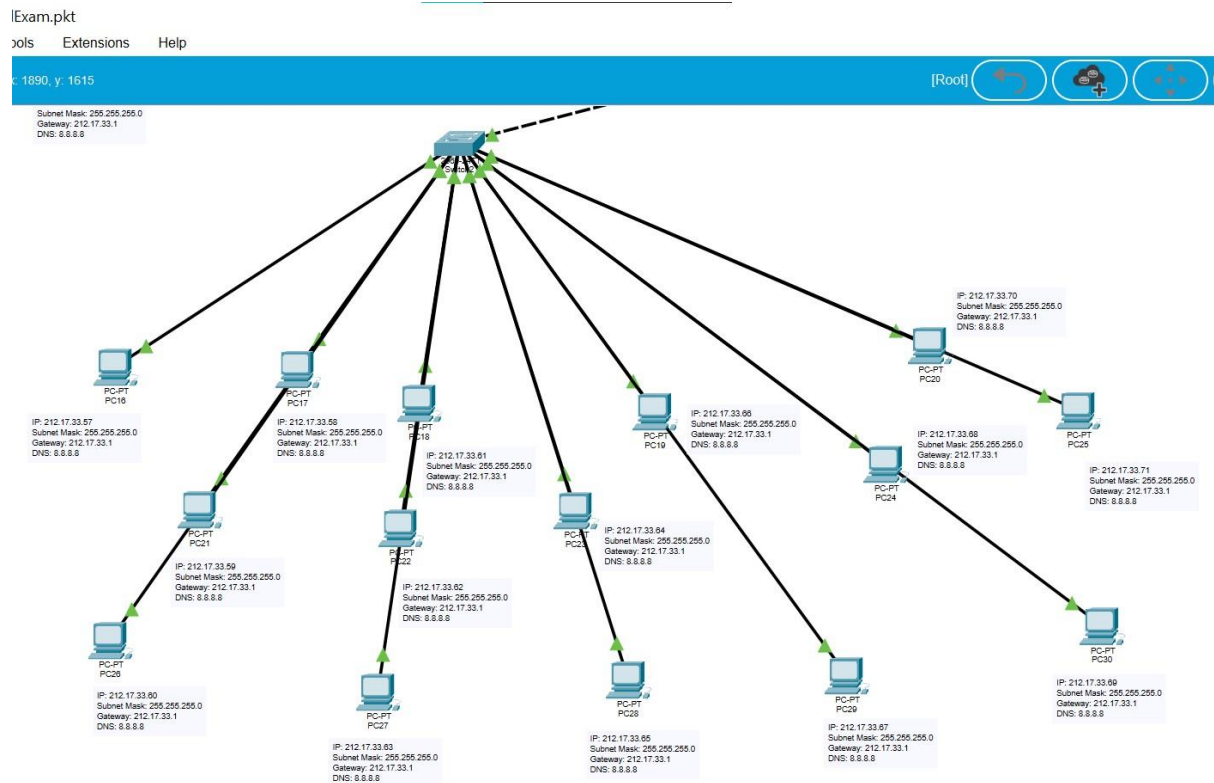
Switch 2 (PC IP Config using DHCP)

Access Point 1 (10 Wireless Laptop (Laptop 1 – Laptop 10))
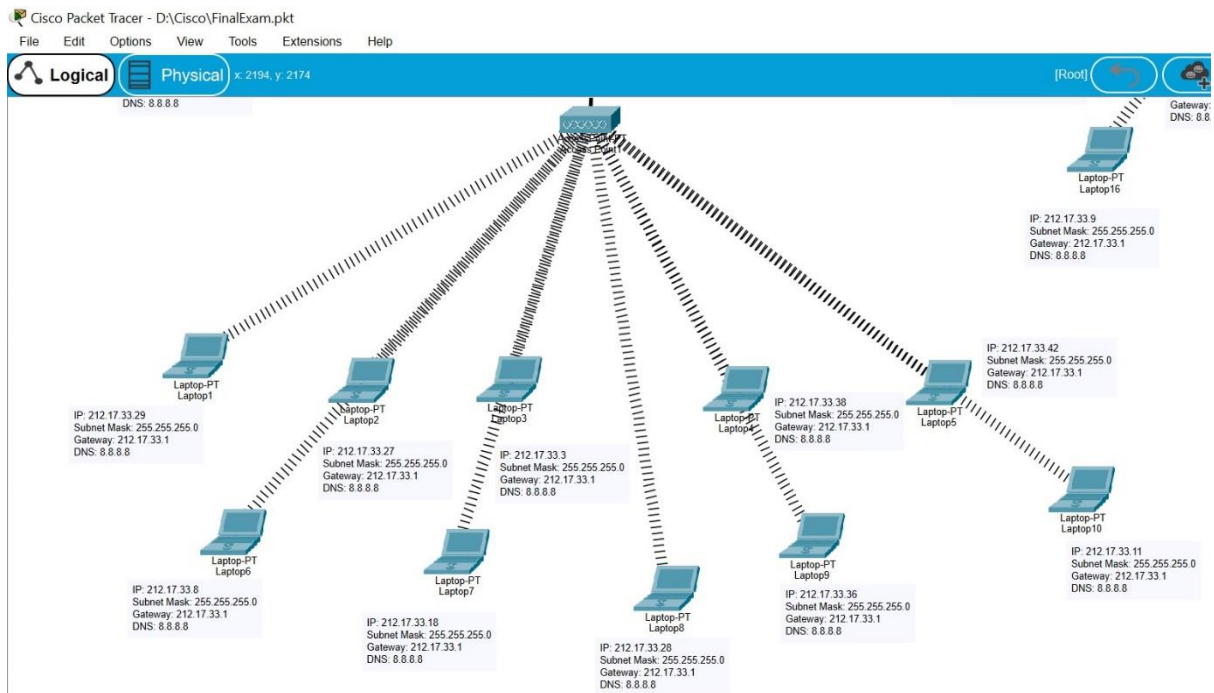
Access Point 1 (Laptop IP Config using DHCP)
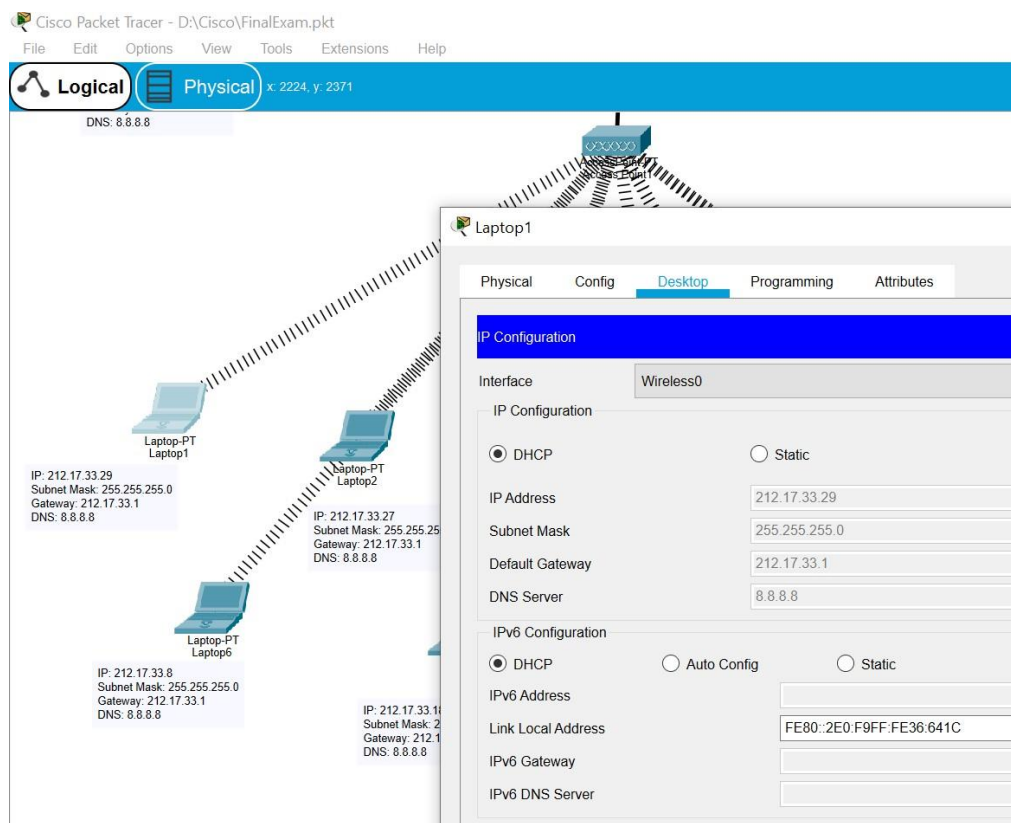
Access Point 2 (10 Wireless Laptop (Laptop 11 – Laptop 20))

Access Point 2 (Laptop IP Config using DHCP)

Access Point 3 (10 Wireless Laptop (Laptop 21 – Laptop 30))

Access Point 3 (Laptop IP Config using DHCP)

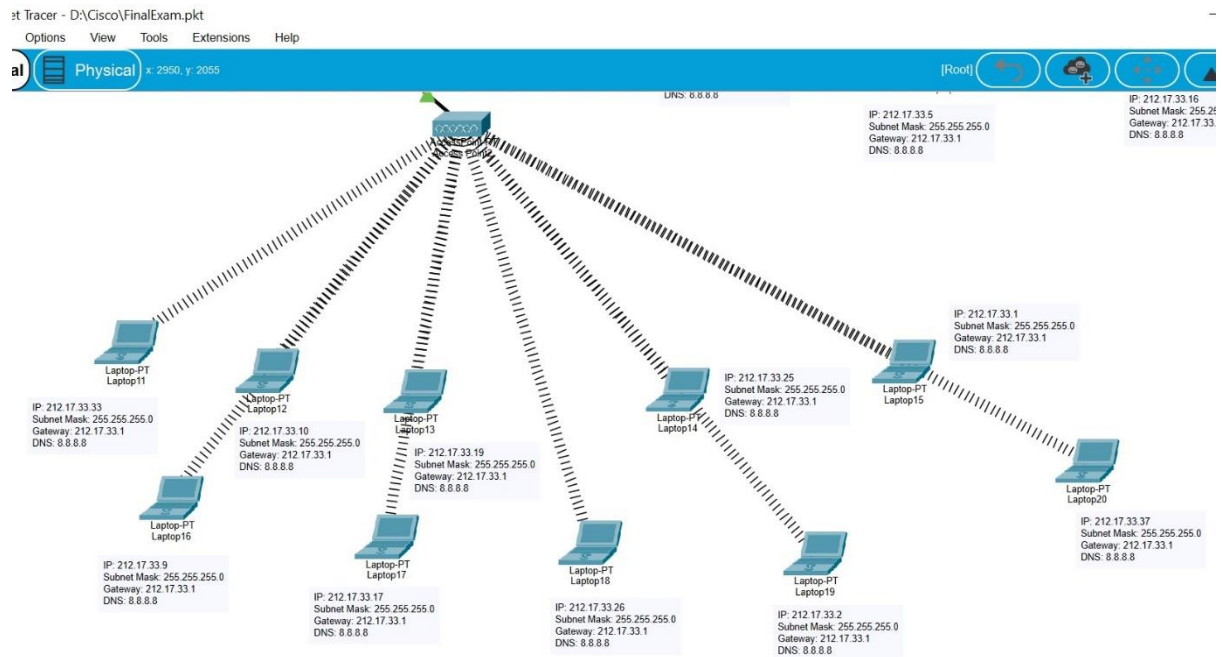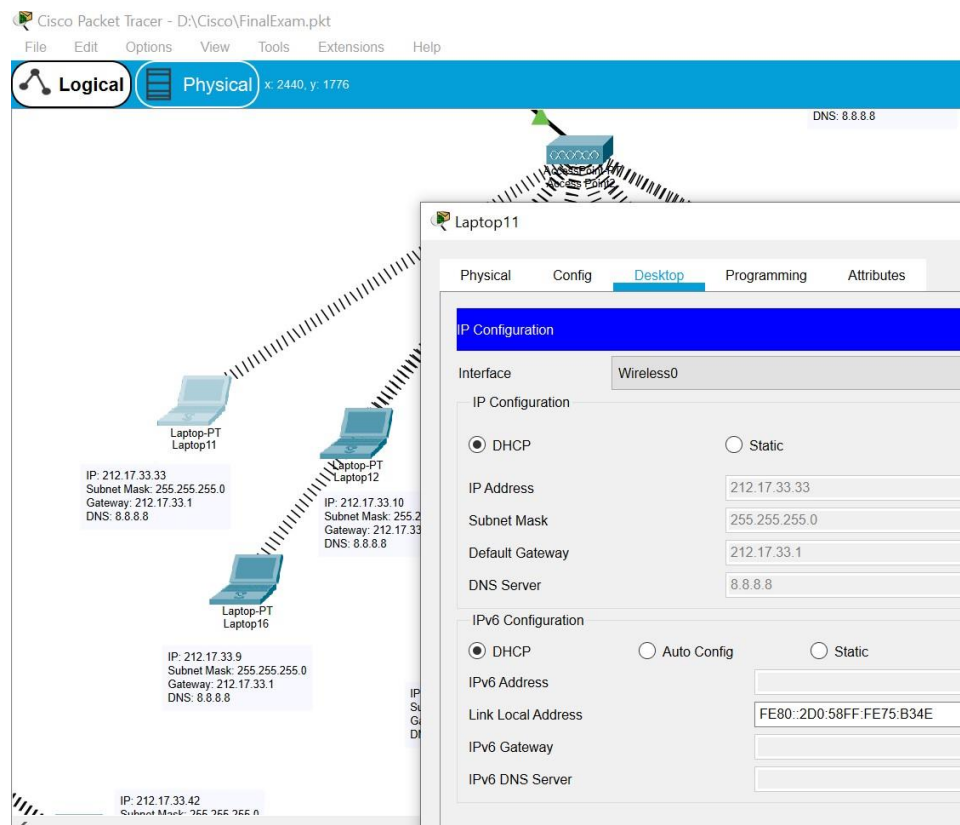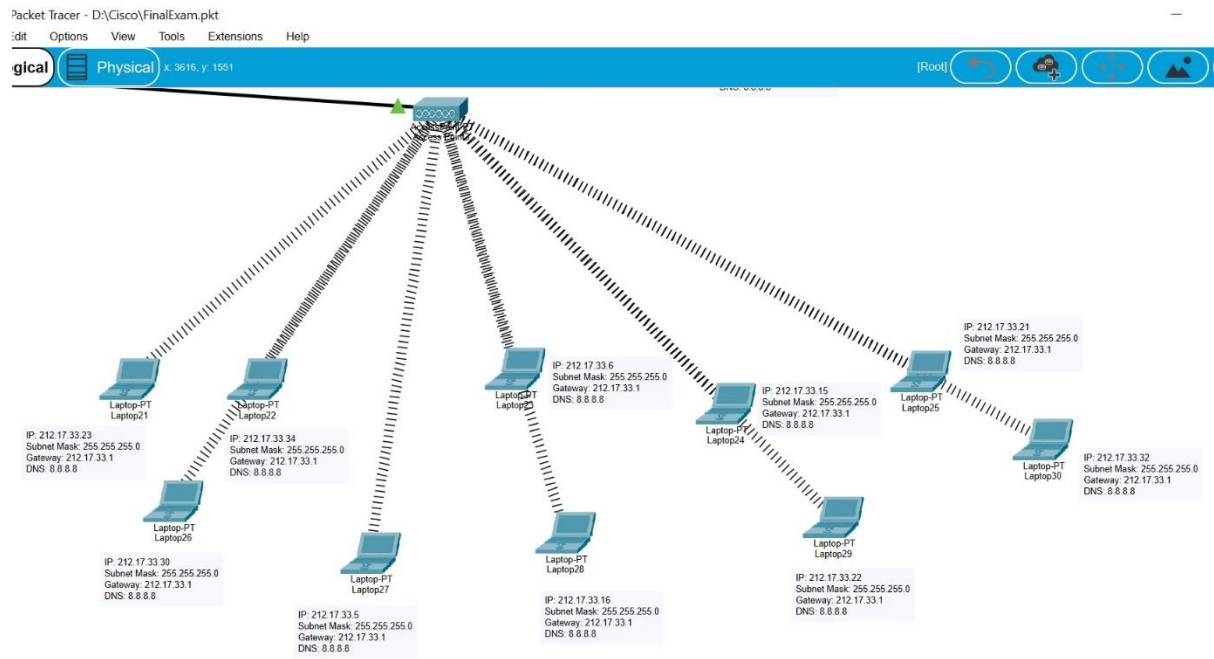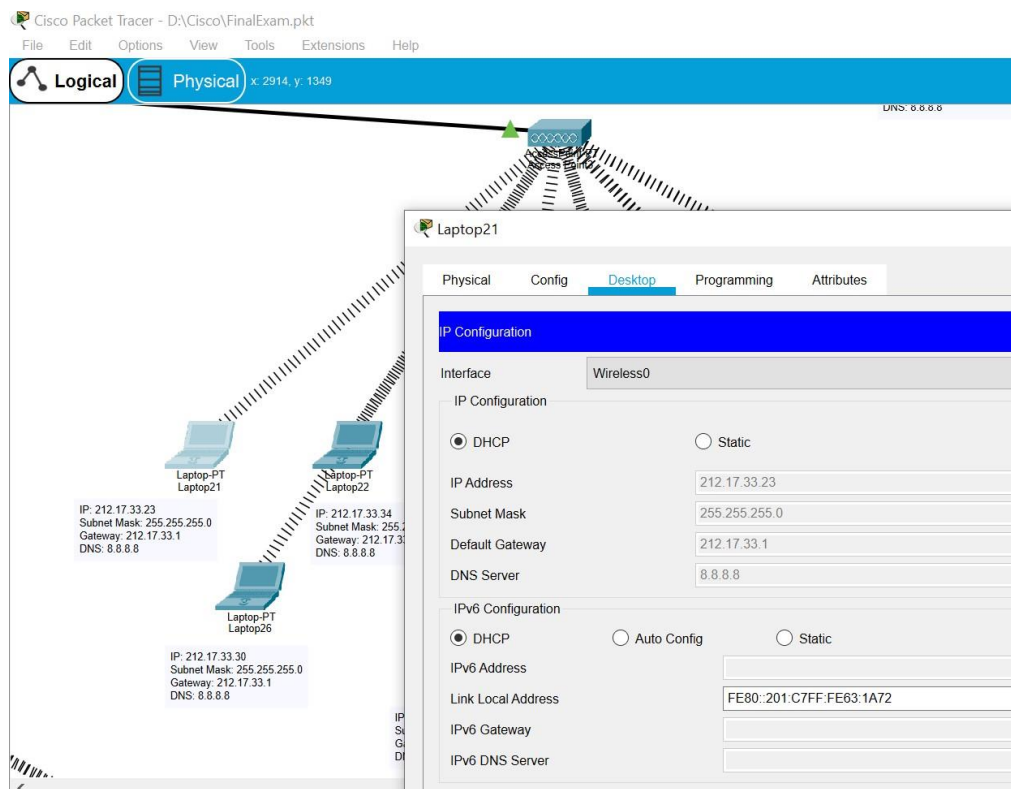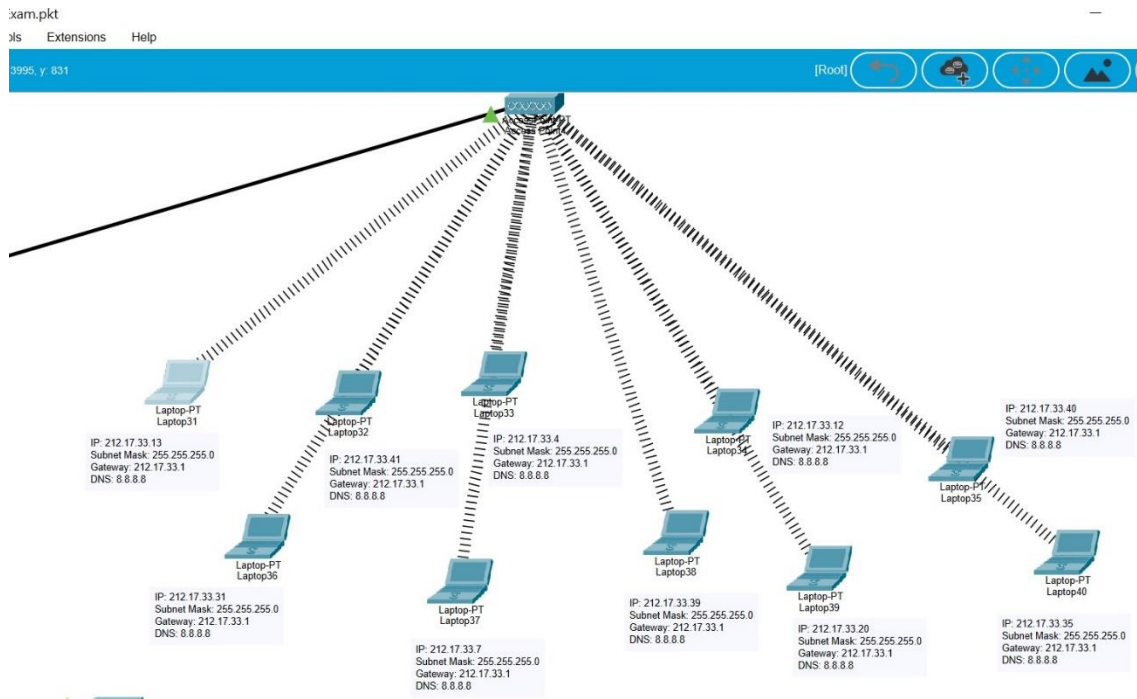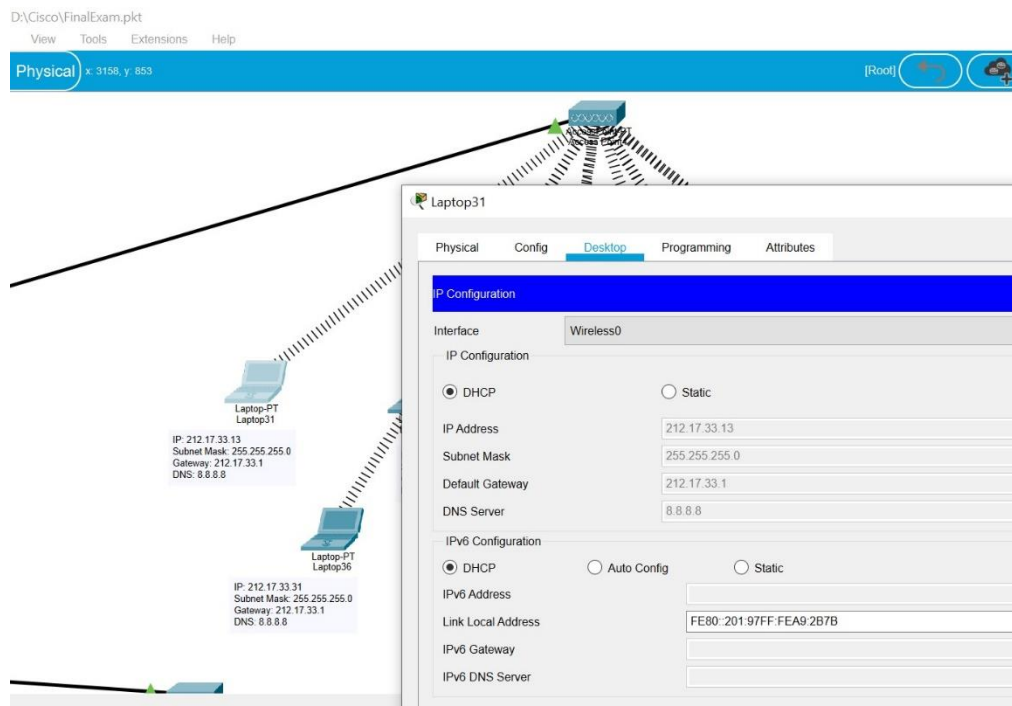## Access Point 4 (10 Wireless Laptop (Laptop 31 – Laptop 40))

Access Point 4 (Laptop IP Config using DHCP)

Checking:

- PC 1 Switch 1 to PC 2 Switch 1
- PC 3 Switch 1 to PC 16 Switch 2
- PC 17 Switch 2 to PC 18 Switch 2

Fire	Last Status	Source	Destination	Type	Color
	Successful	PC1	PC2	ICMP	
	Successful	PC3	PC16	ICMP	
	Successful	PC17	PC18	ICMP	

Checking:

- PC 4 Switch 1 to Laptop 1 Access Point 1
- PC 19 Switch 2 to Laptop 2 Access Point 1
- Laptop 3 Access Point 1 to Laptop 4 Access Point 1
- Laptop 5 Access Point 1 to Laptop 11 Access Point 2

Fire	Last Status	Source	Destination	Type	Color
	Successful	PC4	Laptop1	ICMP	
	Successful	PC19	Laptop2	ICMP	
	Successful	Laptop3	Laptop4	ICMP	
	Successful	Laptop5	Laptop11	ICMP	

Checking:

- PC 5 Switch 1 to Laptop 12 Access Point 2
- PC 20 Switch 2 to Laptop 13 Access Point 2
- Laptop 14 Access Point 2 to Laptop 15 Access Point 2
- Laptop 16 Access Point 2 to Laptop 21 Access Point 3

Fire	Last Status	Source	Destination	Type	Color
	Successful	PC5	Laptop12	ICMP	
	Successful	PC20	Laptop13	ICMP	
	Successful	Laptop14	Laptop15	ICMP	
	Successful	Laptop16	Laptop21	ICMP	

Checking:

- PC 6 Switch 1 to Laptop 22 Access Point 3
- PC 21 Switch 2 to Laptop 23 Access Point 3
- Laptop 24 Access Point 3 to Laptop 25 Access Point 3
- Laptop 26 Access Point 3 to Laptop 31 Access Point 4

Fire	Last Status	Source	Destination	Type	Color
	Successful	PC6	Laptop22	ICMP	
	Successful	PC21	Laptop23	ICMP	
	Successful	Laptop24	Laptop25	ICMP	
	Successful	Laptop26	Laptop31	ICMP	

Scenario 0

New   Delete

Toggle PDU List Window

Checking:

- PC 7 Switch 1 to Laptop 32 Access Point 4
- PC 22 Switch 2 to Laptop 33 Access Point 4
- Laptop 34 Access Point 4 to Laptop 35 Access Point 4
- Laptop 36 Access Point 4 to Laptop 6 Access Point 1

Fire	Last Status	Source	Destination	Type	Color
	Successful	PC7	Laptop32	ICMP	
	Successful	PC22	Laptop33	ICMP	
	Successful	Laptop34	Laptop35	ICMP	
	Successful	Laptop36	Laptop6	ICMP	

Scenario 0

New   Delete

Toggle PDU List Window