

Exp: 11a

Date:

Static Routing

Configuration

Aim:

To simulate static routing configuration using Cisco packet tracer.

Procedure:

Step 1: Arrange PC & router accordingly.

Step 2: Assign IP addresses for PC's & router.

Step 3: Click on router 0.  
Then config → static

Network = 192.168.3.0

Subnet = 255.255.255.0

next hop = 192.168.1.4

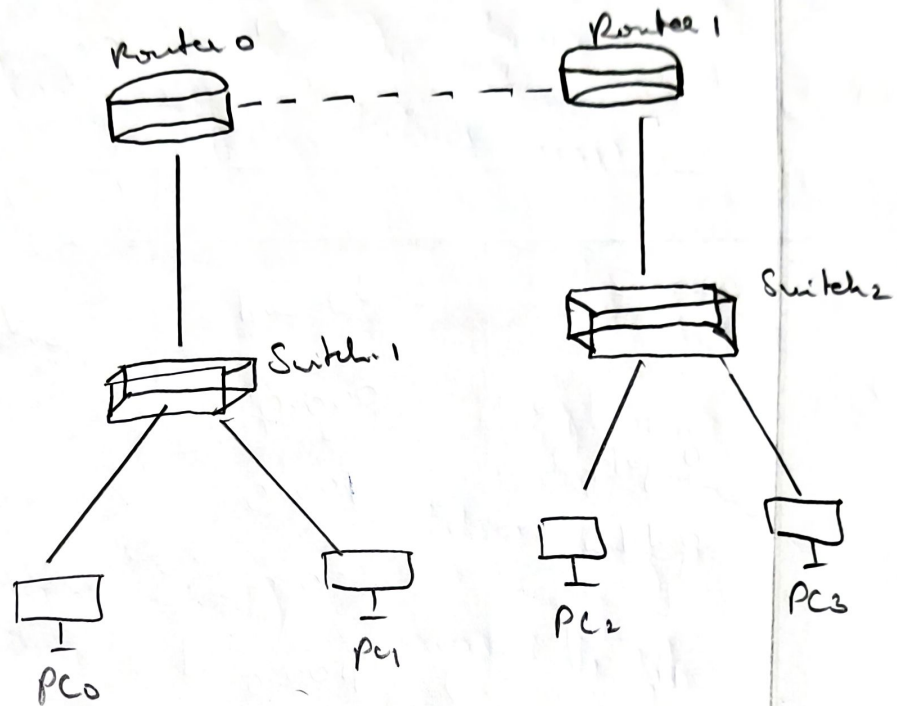
Step 4: Do the same for router 1

Network = 192.168.2.0

Subnet = 255.255.255.0

next hop = 192.168.1.2

Diagram:



Output:

Ping from PC0 to PC2

vis	Time (sec)	Next device
	0.000	PC0
	0.001	Switch0
	0.002	Router0
	0.003	Router 1
	0.004	Switch1
	0.005	

Line	Test Status	Source	Destination	Type	Color	Time (sec)	Result
1	Successful	PC0	PC2	ICMP	Blue	0.000	✓



Output from PC to PC

Host Name	IP (Host)	Mask
PC1	10.0.0.1	255.255.255.0
PC2	10.0.0.2	255.255.255.0
PC3	10.0.0.3	255.255.255.0
PC4	10.0.0.4	255.255.255.0
PC5	10.0.0.5	255.255.255.0

Result:

Thus static routing configuration has been successfully run & executed.

Host	IP (Host)	Mask	Host Name	IP (Host)	Mask
PC1	10.0.0.1	255.255.255.0	PC2	10.0.0.2	255.255.255.0
PC3	10.0.0.3	255.255.255.0	PC4	10.0.0.4	255.255.255.0
PC5	10.0.0.5	255.255.255.0	PC6	10.0.0.6	255.255.255.0