Static Routing Topology
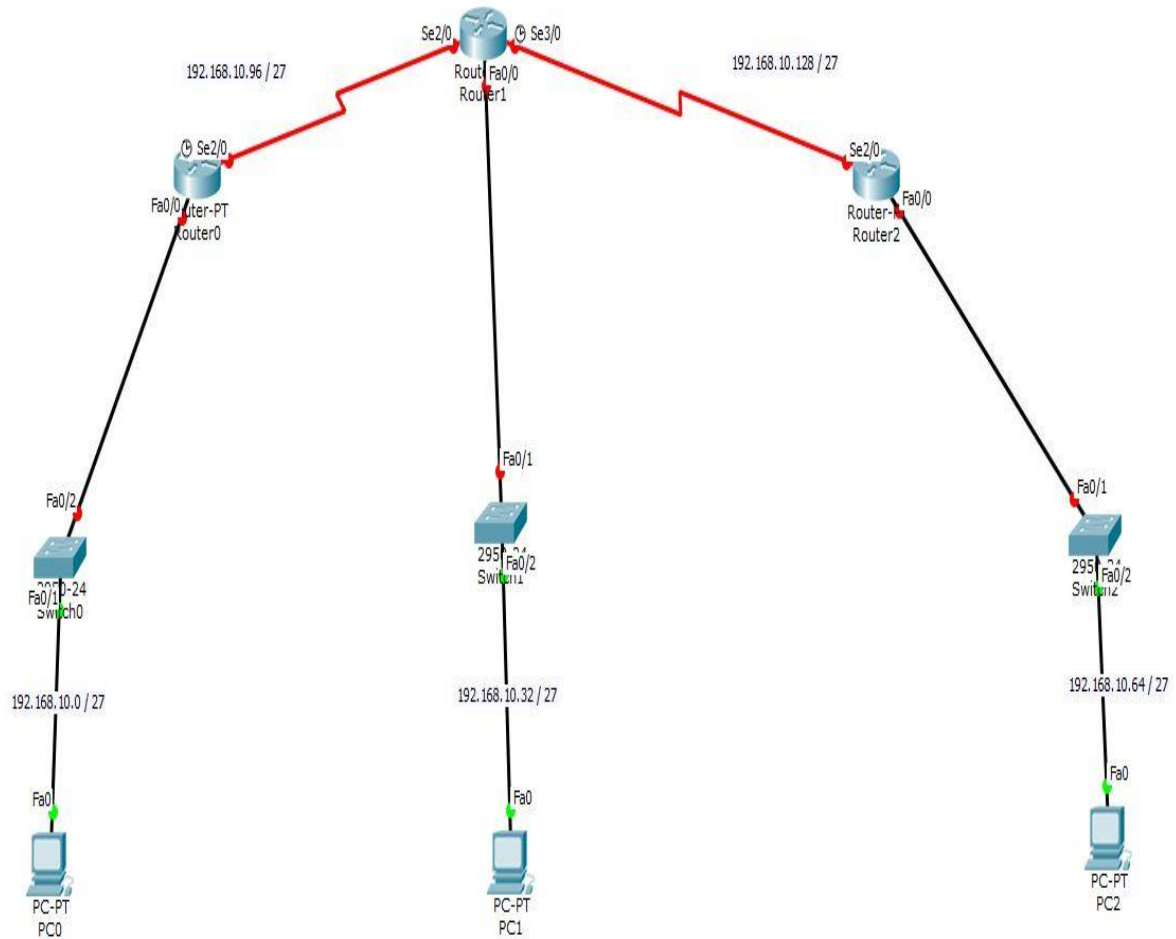
Task 01: Addressing Table

Device	Interface	IP address	Subnet Mask
ROUTER 0	Fa0/0	192.168.10.1	255.255.255.224
	Se2/0	192.168.10.97	255.255.255.224
ROUTER 1	Fa0/0	192.168.10.33	255.255.255.224
	Se2/0	192.168.10.98	255.255.255.224
	Se3/0	192.168.10.129	255.255.255.224
ROUTER 2	Fa0/0	192.168.10.65	255.255.255.224
	Se2/0	192.168.10.130	255.255.255.224
PC0	n/a	192.168.10.2	255.255.255.224
PC1	n/a	192.168.10.34	255.255.255.224
PC2	n/a	192.168.10.66	255.255.255.224

Task 2: Subnet Information

Subnet Number	Subnet Address	First Host Address	Last Host Address	Gateway Address
1	192.168.10.0	192.168.10.2	192.168.10.31	192.168.10.1
2	192.168.10.32	192.168.10.34	192.168.10.65	192.168.10.33
3	192.168.10.64	192.168.10.66	192.168.10.97	192.168.10.65
4	192.168.10.96	192.168.10.97	192.168.10.128	n/a
5	192.168.10.128	192.168.10.129	192.168.10.160	n/a

Task 3: Static Routing Table for Router0

Network Address	Mask Address	Next Hop
192.168.10.32	255.255.255.224	192.168.10.98
192.168.10.128	255.255.255.224	192.168.10.98
192.168.10.64	255.255.255.224	192.168.10.98

Task 3: Static Routing Table for Router1

Network Address	Mask Address	Next Hop
192.168.10.0	255.255.255.224	192.168.10.97
192.168.10.64	255.255.255.224	192.168.10.130

Task 3: Static Routing Table for Router2

Network Address	Mask Address	Next Hop
192.168.10.32	255.255.255.224	192.168.10.129
192.168.10.96	255.255.255.224	192.168.10.129
192.168.10.0	255.255.255.224	192.168.10.129