

Experiment-1.4

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Branch: AIT CSE AIML

Semester: 5

Subject Name: COMPUTER NETWORKS LAB

UID:20BCS6760

Section/Group: 20AML_KRG_1

Date of Performance:10-09-22

Subject Code: 20CSP-342

1. Aim/Overview of the practical:

Implementation of Static Routing using n routers.

2. Task to be done

Objective:

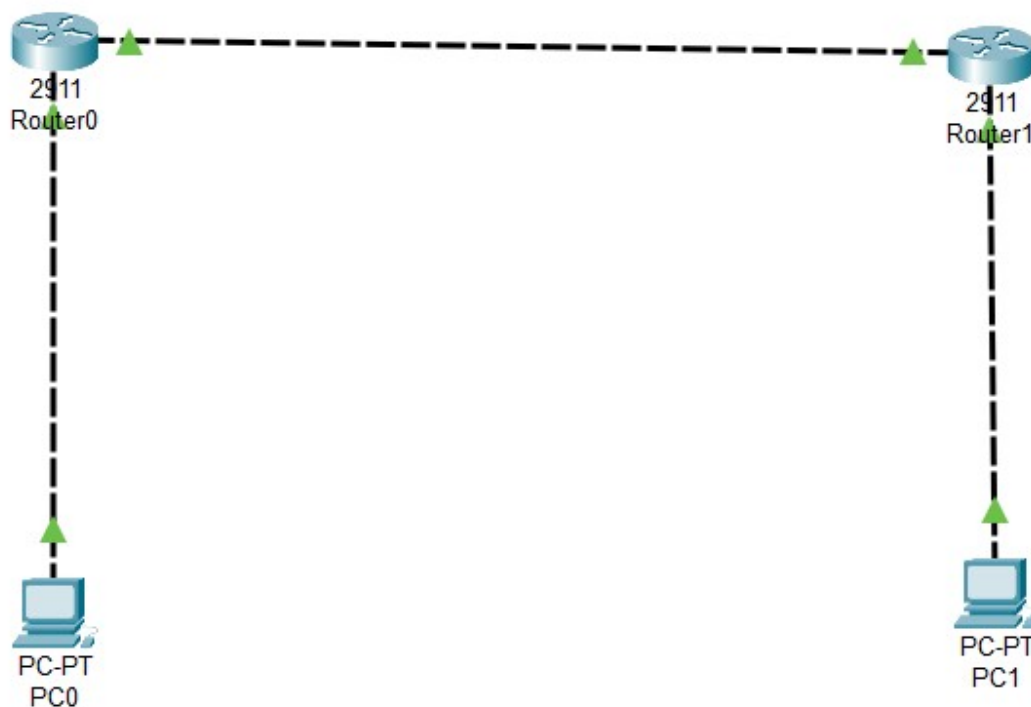
How static routing is created , maintained and updated by a network administrator using static route.

Implement Static Routing using two Routers.

3. Apparatus(For applied/experimental sciences/materials based labs):

Cisco Packet Tracer

3. Procedure:



Configuration.

Router0 Configuration.

Router#conf terminal

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#interface fastEthernet 0/0

Router(config-if)#ip address 10.0.0.1 255.0.0.0

Router(config-if)#no shut

Router(config-if)#exit

Router(config)#interface fastEthernet 1/0

Router(config-if)#ip address 192.168.1.1 255.255.255.0

Router(config-if)#no shut

Router(config-if)#exit

Router(config)#ip route 20.0.0.0 255.0.0.0 192.168.1.1

Router(config)#exit

Router1 Configuration.

Router#conf terminal

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#interface fastEthernet 0/0

Router(config-if)#ip address 20.0.0.1 255.0.0.0

Router(config-if)#no shut

Router(config-if)#exit

Router(config)#interface fastEthernet 1/0

Router(config-if)#ip address 192.168.1.2 255.255.255.0

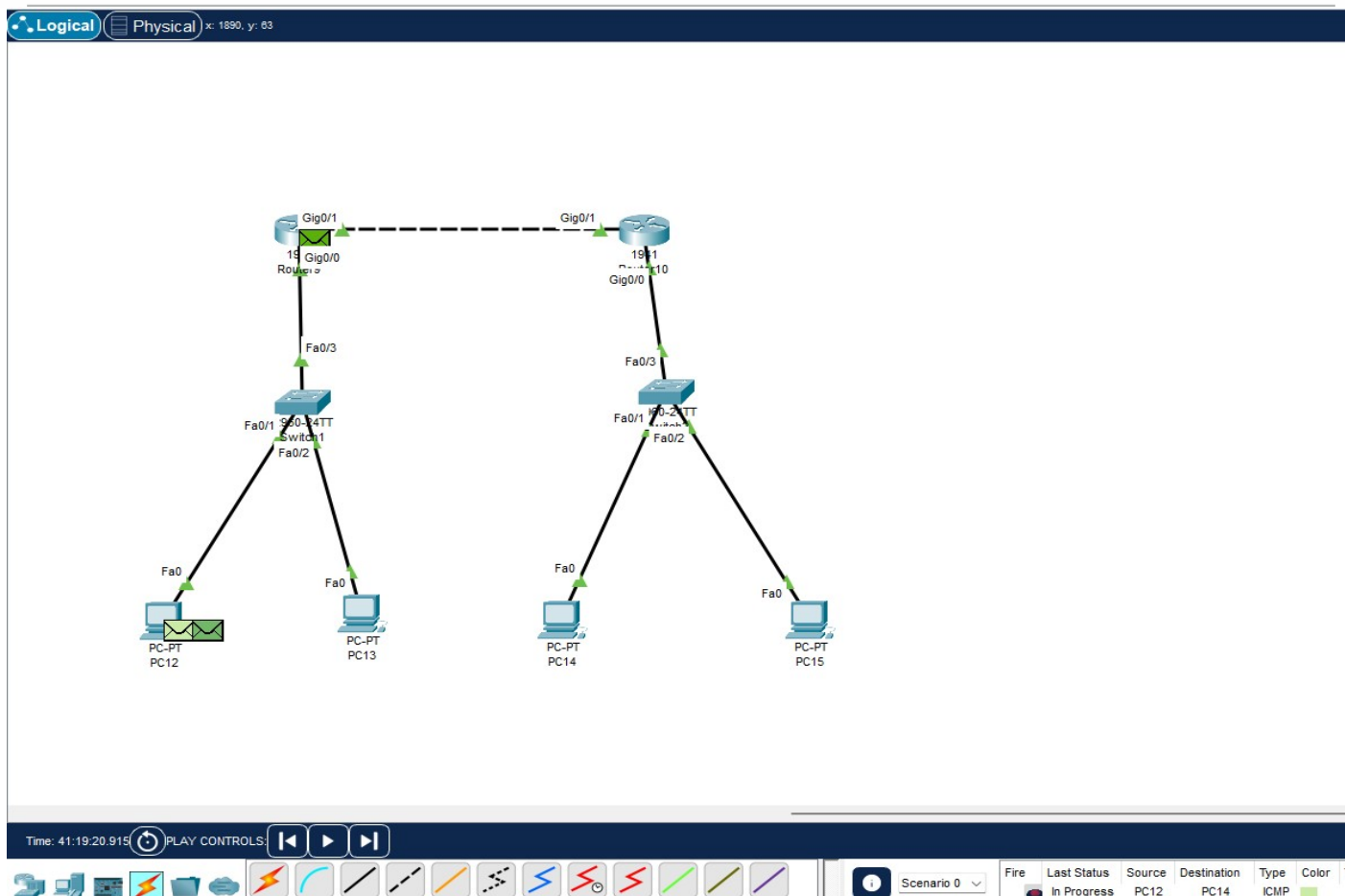
Router(config-if)#no shut

Router(config-if)#exit

Router(config)#ip route 10.0.0.0 255.0.0.0 192.168.1.2

Router(config)#exit





Learning outcomes (What I have learnt):

1. Use of Cisco Packet Tracer
2. Implementation of Static Routing
3. Knowledge regarding routing techniques

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			