

Amrita School of Engineering, Coimbatore-641112

Department of Computer Science and Engineering

15CSE301 Computer Networks

Date :9.11.2021

Time : 1hour 15 minutes

Class: CSE 'E'

Maximum : 20 Marks

- R.Abhinav
- CB.EN.U4CSE19453

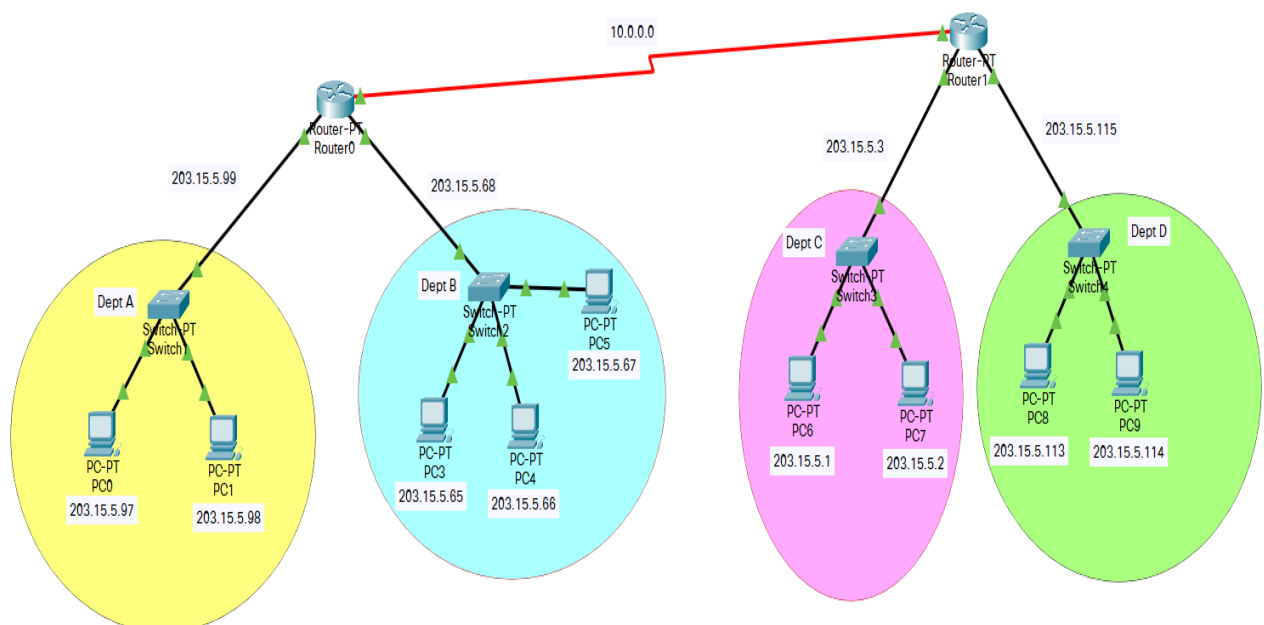
Set 4

1. An organization with an address 203.15.5.0/24 needs 14 hosts for Dept A, 28 hosts for Dept B, 50 hosts for Dept C and 3 hosts for Dept D.

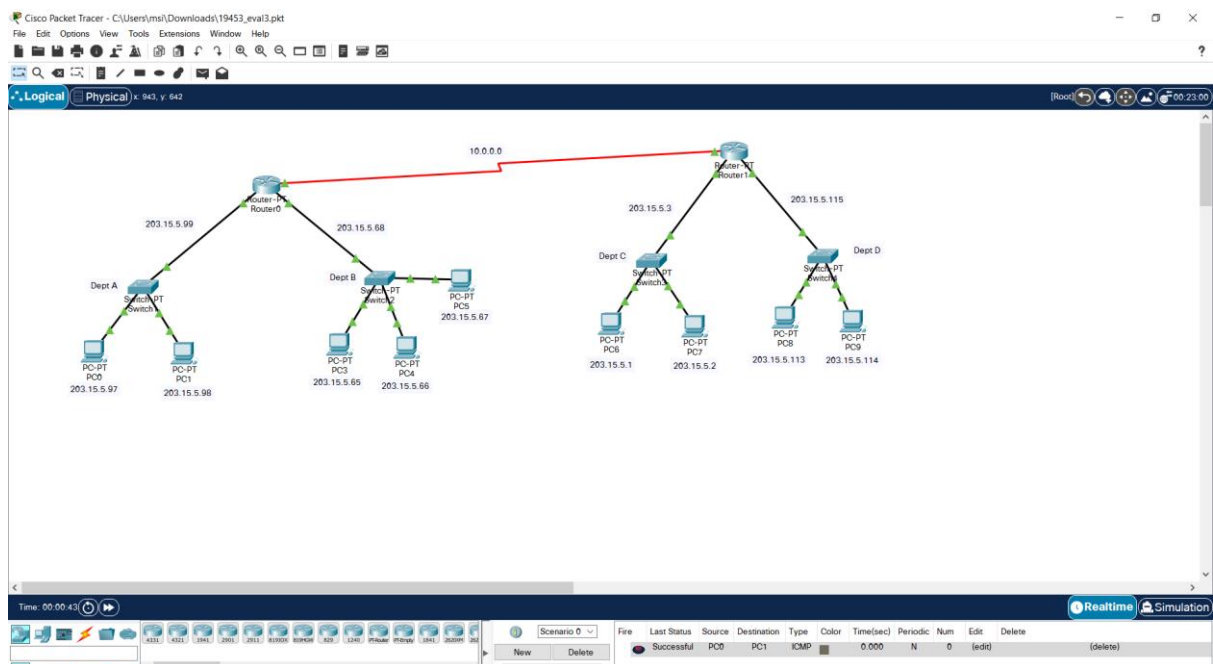
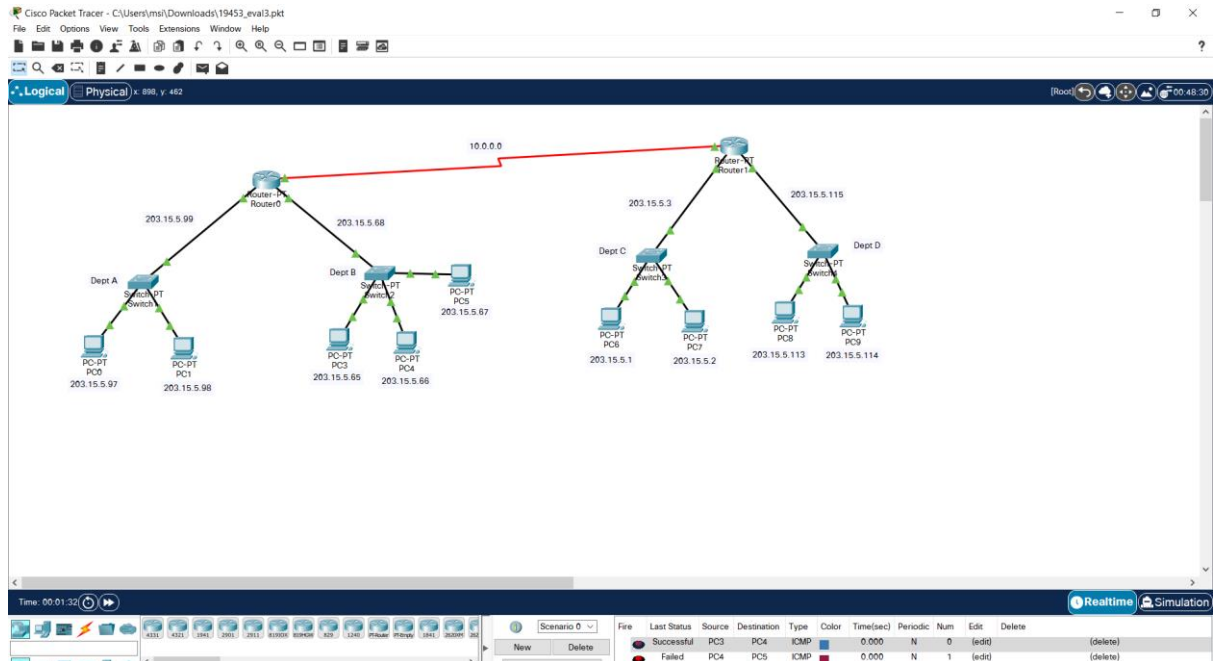
Dept B needs to restrict access to the Guest.

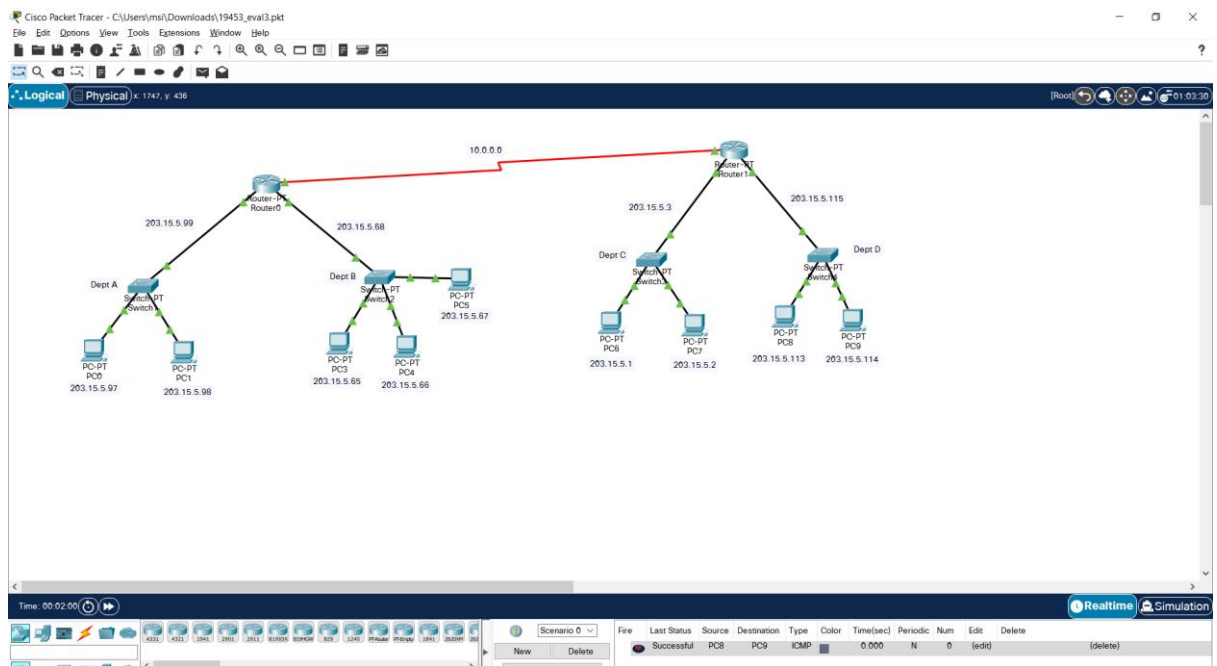
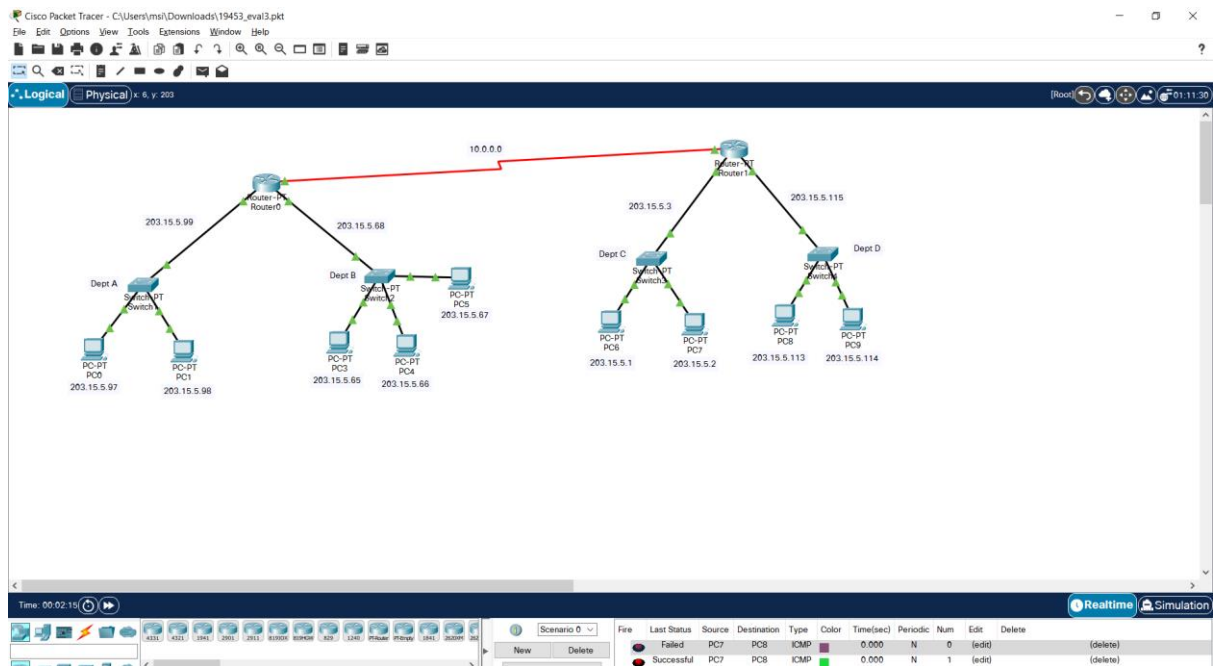
Create VLANs for Guest (2 machines) and the Staff.

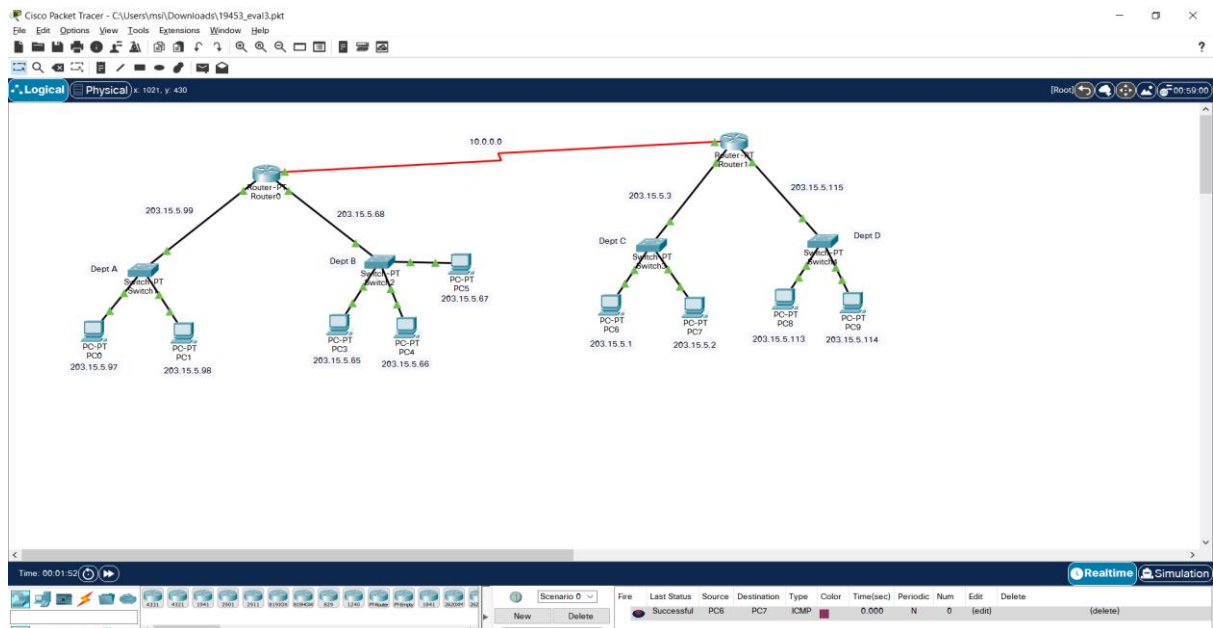
2. Departments C and D are physically located far from A and B use two routers to connect them. Use Static to communicate AB and CD



Working:







Terminal Configuration Snips:

Router1

Physical
Config
CLI
Attributes

IOS Command Line Interface

```

up
ip address 10.0.0.2 255.0.0.0
Router(config-if)#ip address 10.0.0.2 255.255.255.248
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial2/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial2/0
Router(config-if)#
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#
%SYS-5-CONFIG_I: Configured from console by console

Router(config)#
Router(config)#
Router(config)#
Router(config)#router ospf 10
Router(config-router)#network 10.0.0.0 0.0.0.7 area 0
Router(config-router)#exit
Router(config)#
01:22:48: %OSPF-5-ADJCHG: Process 10, Nbr 203.15.5.99 on Serial2/0 from
LOADING to FULL, Loading Done

```

Ctrl+F6 to exit CLI focus

Copy Paste

