

Module Five Packet Tracer Activity

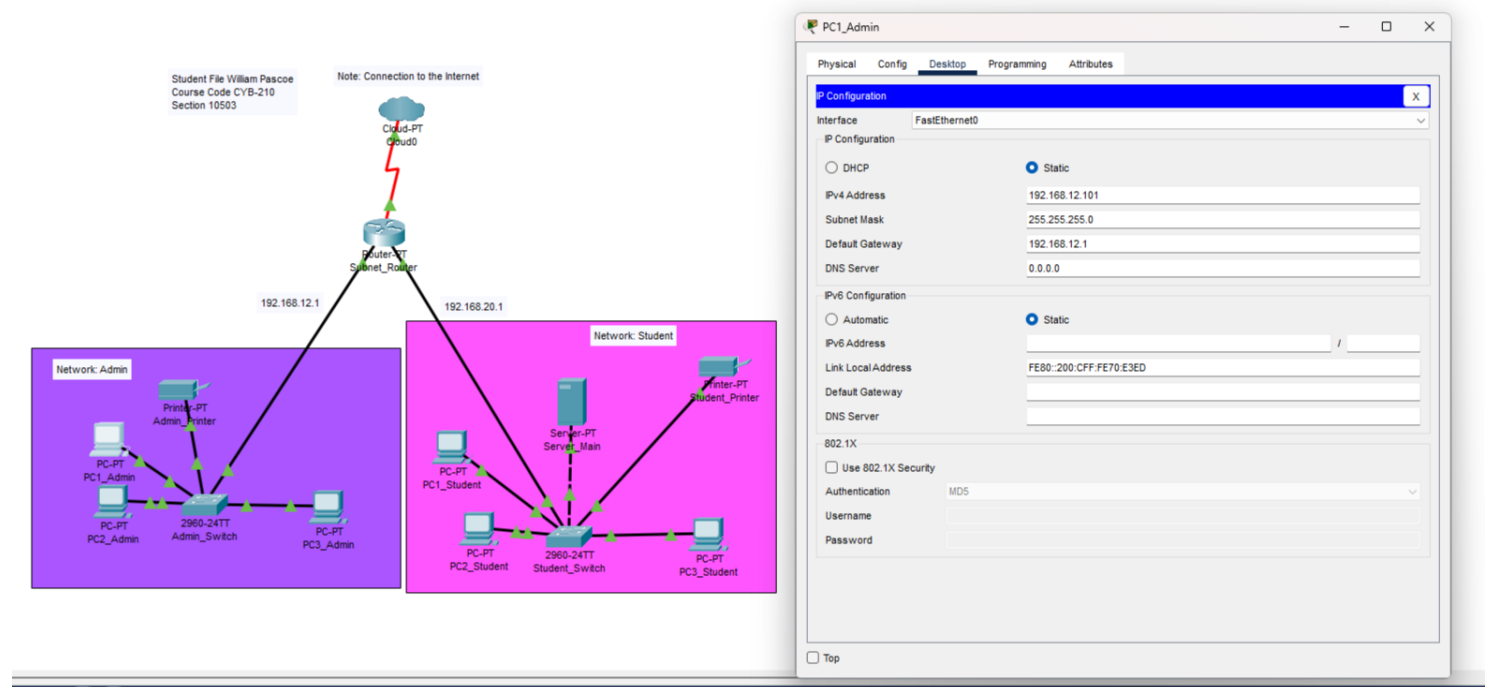
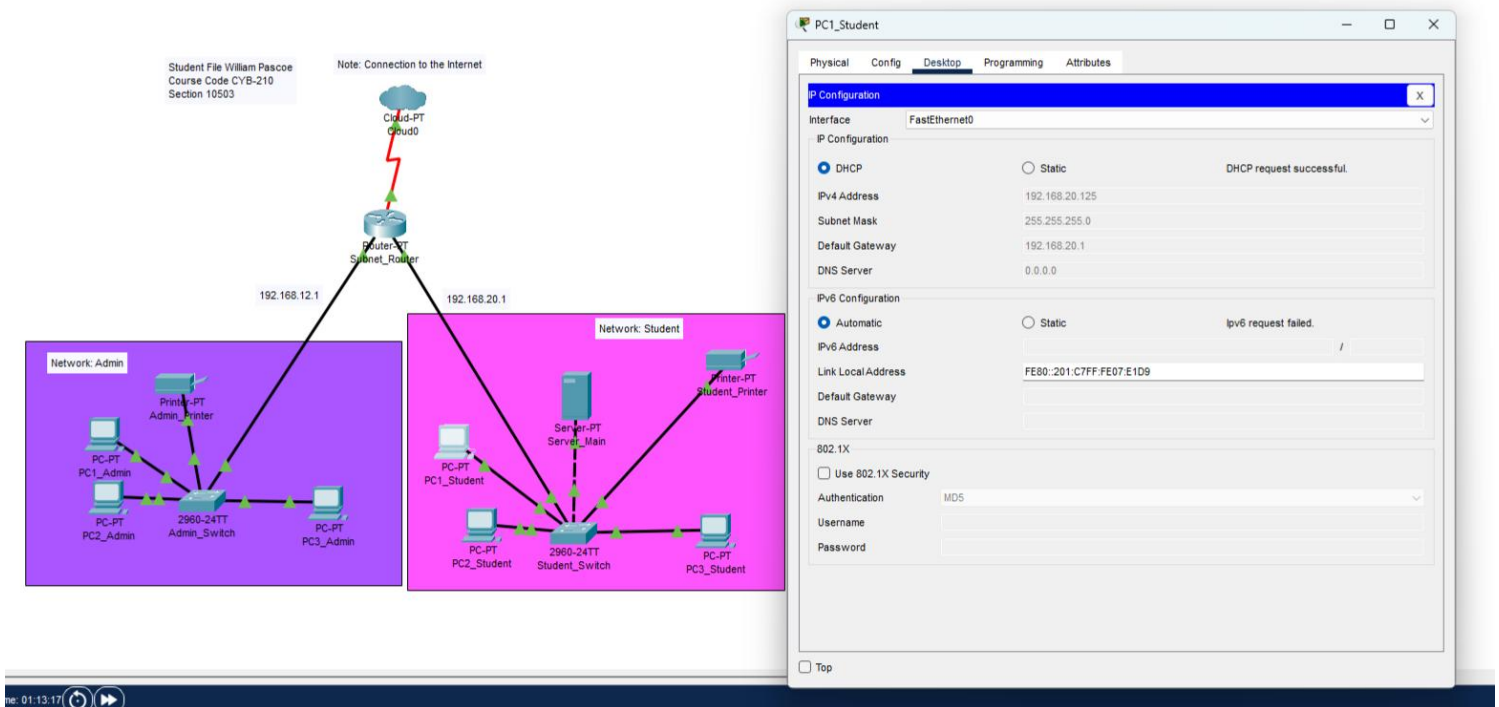
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CYB-210: Computer Networking

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IP Configuration



For the admin computer I went into the config tab and changed the default Gateway in the Settings Tab. Then I went to the FastEthernet tab and changed the static IP address. For the Student computers I changed the IP address to DHCP.

RIP Configuration

Logical Physical x: 100%, y: 288

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Section 10503

Note: Connection to the Internet

Cloud-PT Cloud0

Router-PT Subnet_Router

192.168.12.1 192.168.20.1

Network: Admin

Print-PT Admin_Printer

PC-PT PC1_Admin

PC-PT PC2_Admin

2960-24TT Admin_Switch

PC-PT PC3_Admin

Network: Student

Server-PT Server_Man

Print-PT Student_Printer

PC-PT PC1_Student

PC-PT PC2_Student

2960-24TT Student_Switch

PC-PT PC3_Student

Subnet_Router

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

RIP Routing

Network

Add

Network Address

10.0.0.0

192.168.12.0

192.168.20.0

Remove

Equivalent IOS Commands

```
router>copy start
router>copy start
Destination filename [startup-config]?
Building configuration...
[OK]
router#
router#
?Bad filename
%Error parsing filename (Bad file number)
router#
router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
router1(config)#router rip
router1(config-router)#
```

Time: 01:21:48

For the RIP Configuration I went into the RIP tab of the router and added in the new networks then I removed the old ones.

NAT Configuration

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Router-PT Subnet_Router

192.168.12.1 192.168.20.1

Network: Admin

Print-PT Admin_Printer

PC-PT PC1_Admin

PC-PT PC2_Admin

2960-24TT Admin_Switch

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Network: Student

Server-PT Server_Man

Print-PT Student_Printer

PC-PT PC1_Student

PC-PT PC2_Student

2960-24TT Student_Switch

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Subnet_Router

Physical Config CLI Attributes

IOS Command Line Interface

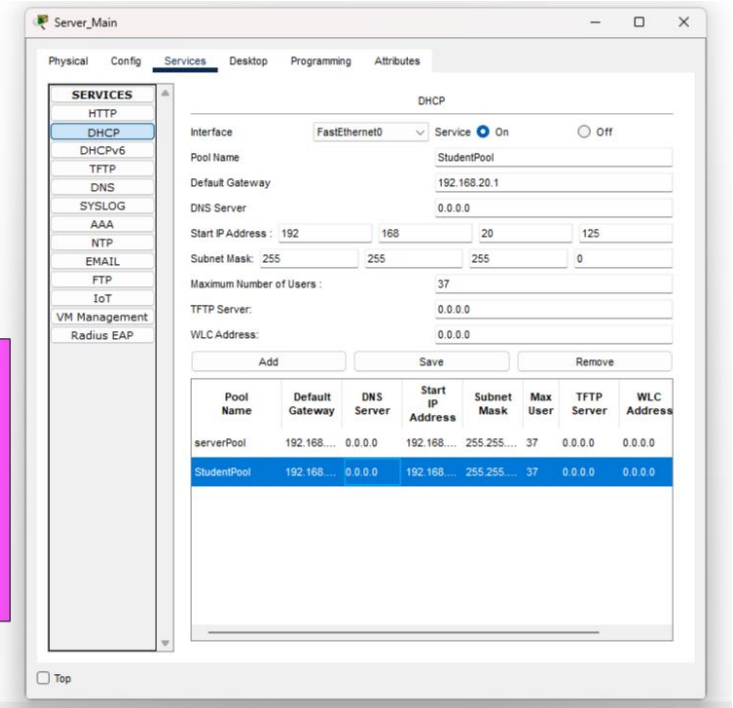
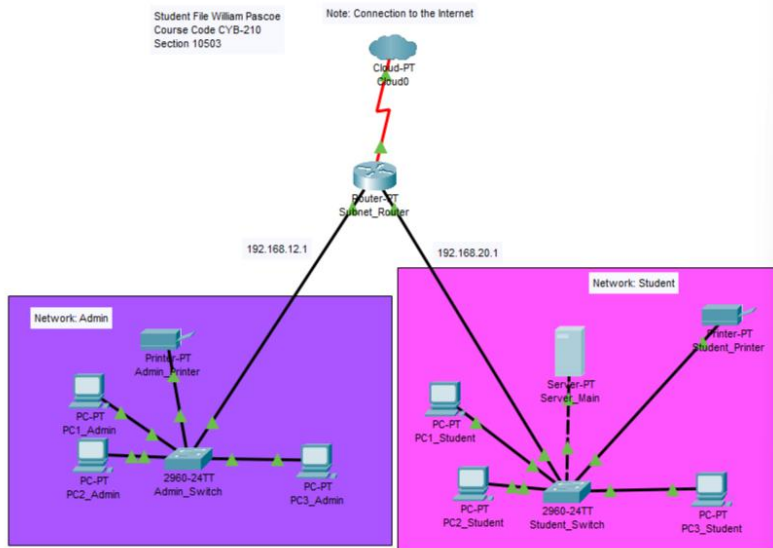
```
router1>en
router1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
router1(config)#router rip
router1(config-router)#interface FastEthernet0/0
router1(config-if)#ip nat inside
router1(config-if)#interface FastEthernet1/0
router1(config-if)#ip nat outside
router1(config-if)#ip nat inside source 192.168.12.1 192.168.20.
% Invalid input detected at ... marker.
router1(config-if)#ip nat inside source static 192.168.12.0 192.168.20.0
router1(config)#
router1#
SYS-5-CONFIG_I: Configured from console by console
router1#show ip nat translation
Pro Inside global Inside local Outside local Outside global
--- 192.168.20.0 192.168.12.0 ---
router1#copy run start
Destination filename [startup-config]?
Building configuration...
[OK]
router1#
```

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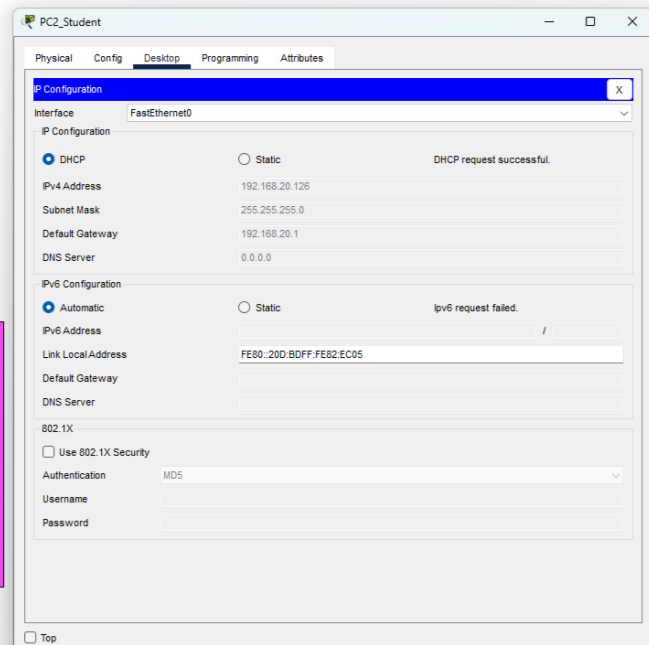
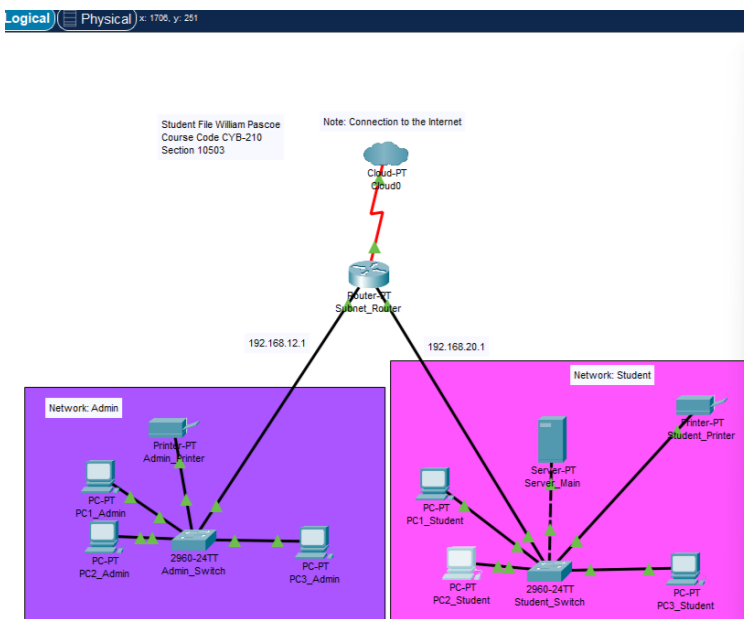
Top

For Nat I set the inside and outside nat to proper IP Addresses.

DHCP Services

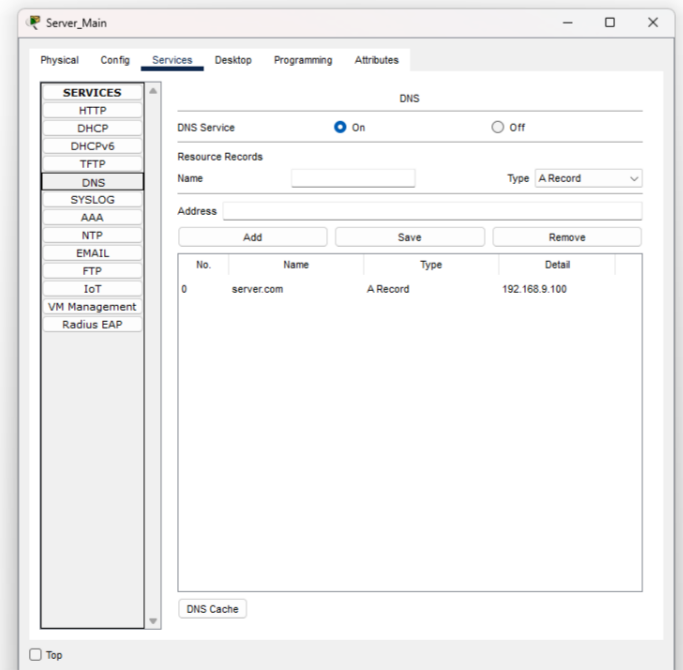
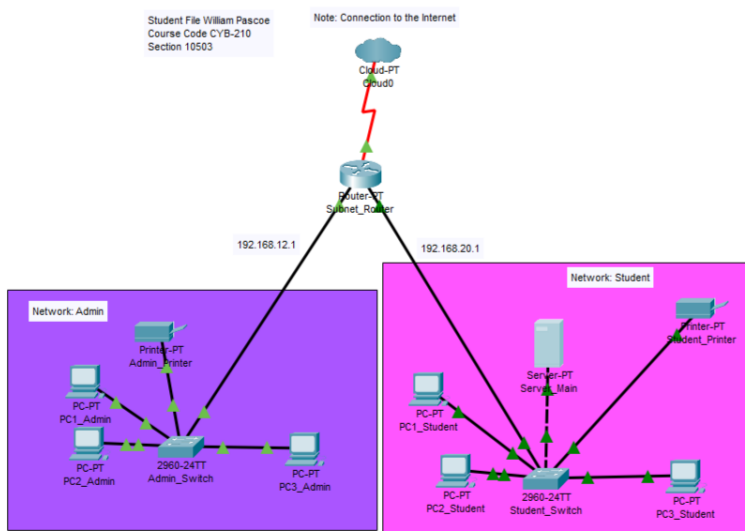


Device showing DHCP Information



For DHCP services I went into the server main and under the DHCP tab I setup a new Student pool and added the appropriate information

DNS Services



For DNS Services I went into the server main and under the DNS tab I configured the DNS service.

Completed Network Topology

