



Cloud Computing and Virtualization Lab

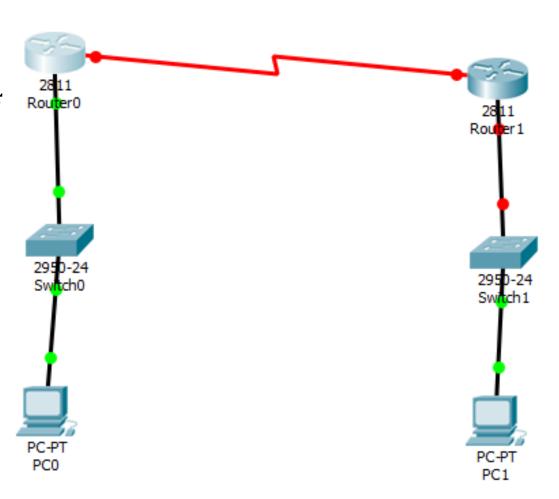
Presented by:

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Assistant Professor

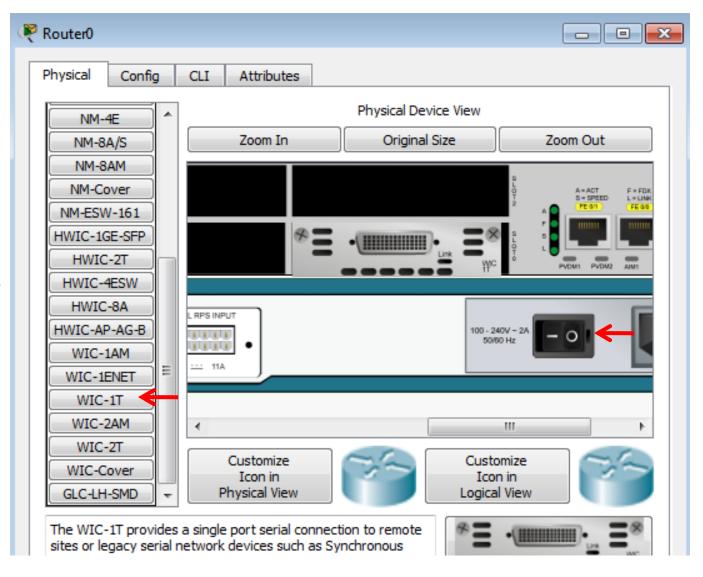


- 2 routers-2811
- 2 switch-2950-24
- 2 PC
- cables





- Click on Router and add WIC-1T to it
- Do it for both the routers





- Click on Router0 and Type:
 - No
 - Router>en
 - Router#conf t
 - Router(config)#int s0/0/0
 - Router(config-if)#ip address 192.168.30.1 255.255.255.0
 - Router(config-if)#clock rate 72000
 - Router(config-if)#no sh
 - Router(config-if)#int fa0/0
 - **Router(config-if)**#ip address 192.168.10.1 255.255.255.0
 - Router(config-if)#no sh
 - Router(config-if)#ctrl+Z
 - Router#copy running-config startup-config
 - Destination filename [startup-config]?
 - Building configuration...
 - [OK]



- Click on Router 1 and type:
 - No
 - Router>en
 - Router#conf t
 - Router(config)#int s0/0/0
 - Router(config-if)#ip address 192.168.30.2 255.255.255.0
 - Router(config-if)#no sh
 - Router(config-if)#int fa0/0
 - **Router(config-if)**#ip address 192.168.20.1 255.255.255.0
 - Router(config-if)#no sh
 - Router(config-if)#ctrl+z
 - Router#copy running-config startup-config
 - Destination filename [startup-config]?
 - Building configuration...
 - [OK]
 - Router#

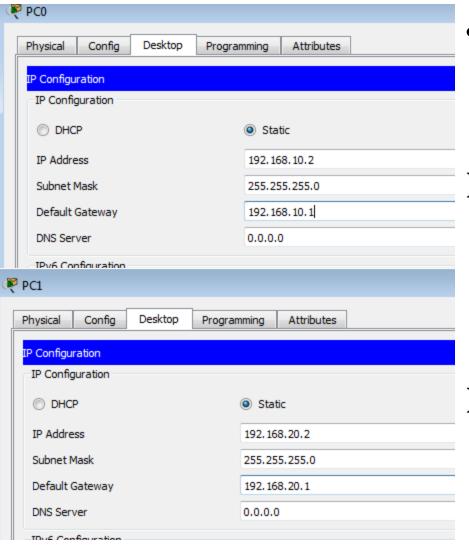


- Click on router0 and type:
 - Router#
 - Router#conf t
 - **Router(config)**#ip route 192.168.20.0 255.255.255.0 192.168.30.2
 - Router(config)#ctrl+Z
 - Router#copy running-config startup-config
 - Destination filename [startup-config]?
 - Building configuration...
 - [OK]
 - Router#exit



- Click on router1 and type:
 - Router#conf t
 - **Router(config)**#ip route 192.168.10.0 255.255.255.0 192.168.30.1
 - Router(config)#ctrl+Z
 - Router#copy running-config startup-config
 - Destination filename [startup-config]?
 - Building configuration...
 - [OK]
 - Router#exit





 Assign the following IP to systems

PC₀

PC1

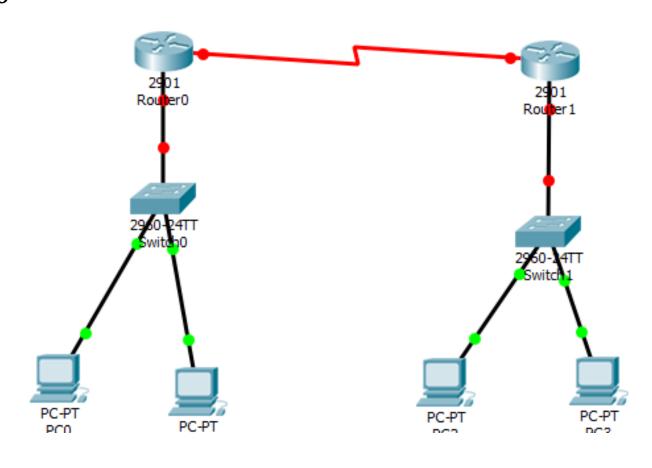


Ping the PC from each other



Connect two different Networks with RIP

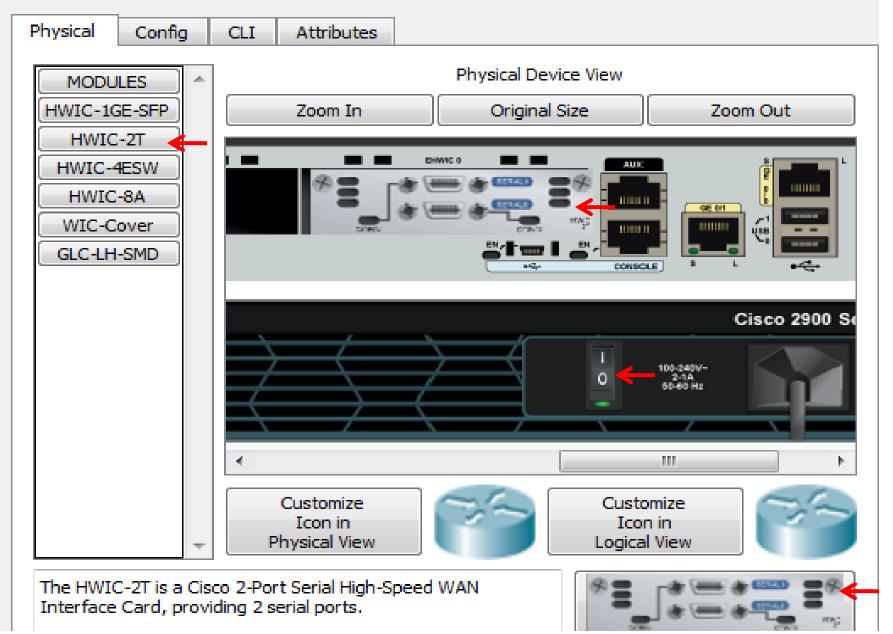
- 2 Routers 2901
- 2 Switch 2960
- PCs
- Cable

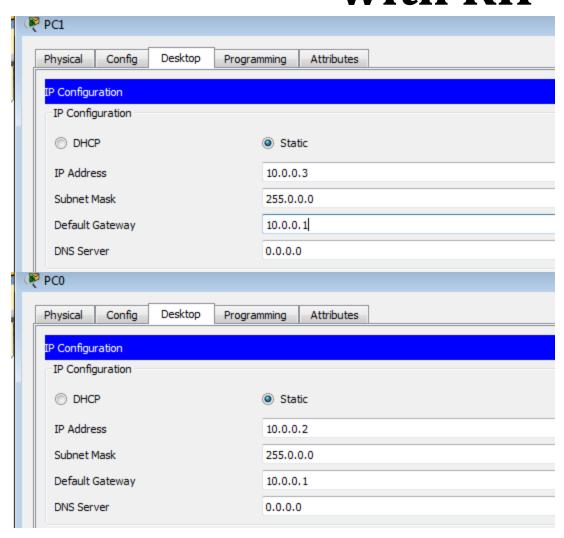




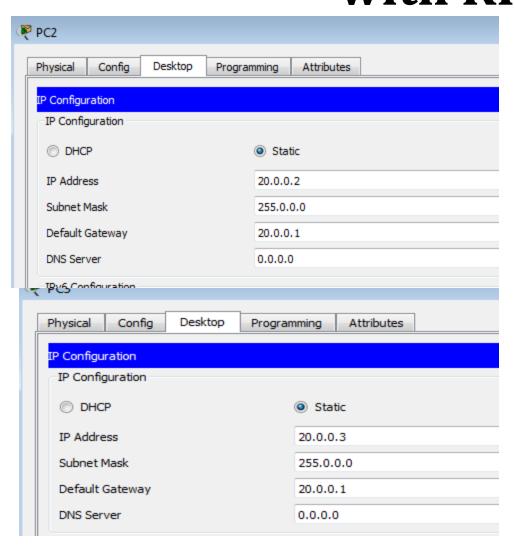


Accredit





 Assign the IP Address to the PC connected to Switch 0



 Assign the IP Address to the PC connected to Switch 1

- Click on Router0 and Type
 - **no**]: n
 - Router>en
 - Router#conf t
 - Router(config)#int g0/1
 - Router(config-if)#ip address 10.0.0.1 255.0.0.0
 - Router(config-if)#no sh
 - Router(config-if)#no sh
 - Router(config-if)#int s0/0/0
 - Router(config-if)#ip address 192.168.0.1 255.255.255.0
 - Router(config-if)#clock rate 250000
 - Router(config-if)#no sh
 - Router(config-if)#exit

Accredited with A RIP

- Click on Router1 and Type
 - **no]**: n
 - Router>en
 - Router#conf t
 - Router(config)#int g0/1
 - Router(config-if)#ip address 20.0.0.1 255.0.0.0
 - Router(config-if)#no sh
 - Router(config-if)#int s0/0/0
 - Router(config-if)#ip address 192.168.0.2 255.255.255.0
 - Router(config-if)#no sh
 - Router(config-if)#exit

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- Click on Router0 and Type
 - Router(config)#router rip
 - Router(config-router)#network 10.0.0.0
 - Router(config-router)#network 192.168.0.0
 - Router(config-router)#exit

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- Click on Router1 and Type
 - Router(config)#router rip
 - Router(config-router)#network 20.0.0.0
 - Router(config-router)#network 192.168.0.0
 - Router(config-router)#exit

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- Click on simulation mode
- Click on show all/none
- Click on edit filters
- Select ICMP protocol
- Select PDU and click on any PC on Router0 and then on any PC on Router1

