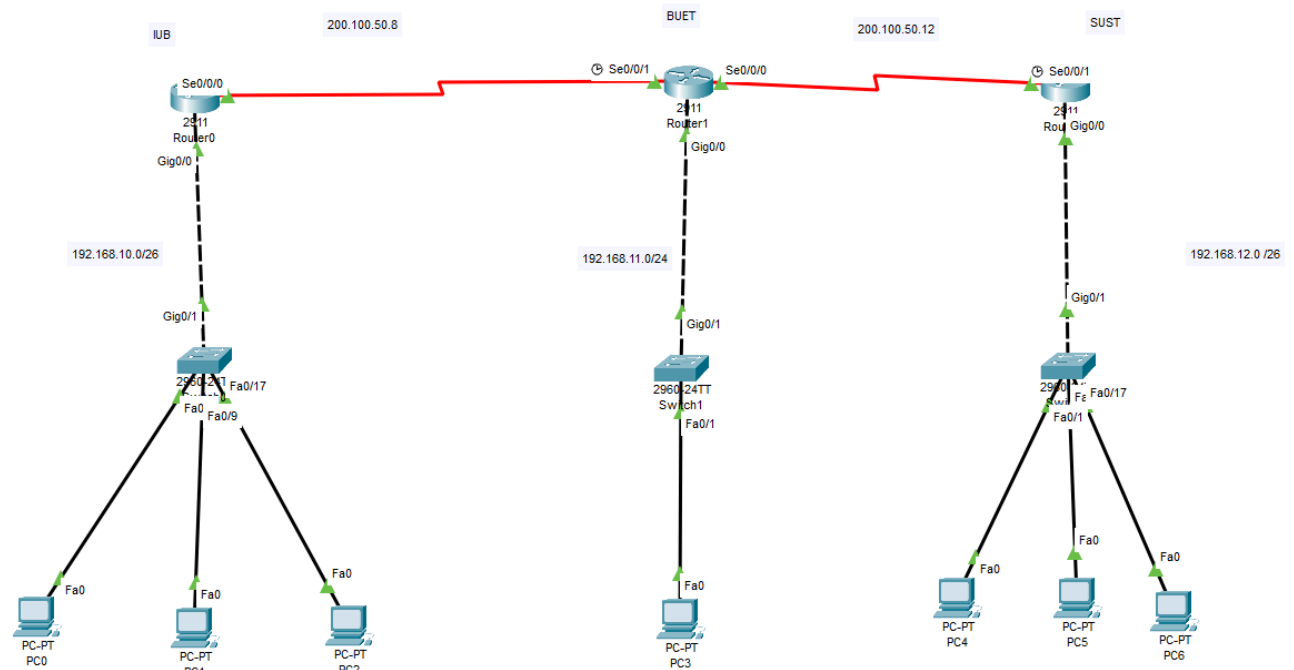


CSE316_Lab Final_Autumn24



IUB-Network

Vlan Create - Switch	Router
<pre>en configure terminal hostname S1 vlan 2 name SETS vlan 3 name SBE vlan 4 name SLASS int range f0/1-8 switchmode mode access switchport access vlan 2 exit int range f0/9-16 switchmode mode access switchport access vlan 3 exit int range f0/17-24 switchmode mode access switchport access vlan 4 exit int g0/1 switchport mode trunk exit do wr</pre>	<pre>en configure terminal hostname R1 int g0/0 no shutdown int g0/0.2 encapsulation dot1q 2 ip address 192.168.10.62 255.255.255.192 exit int g0/0.3 encapsulation dot1q 3 ip address 192.168.10.126 255.255.255.192 exit int g0/0.4 encapsulation dot1q 4 ip address 192.168.10.190 255.255.255.192 exit do wr</pre>

BUET-Network

Router
<pre>en configure terminal hostname R1 int g0/0 no shutdown</pre>

SUST-Network

Vlan Create - Switch	Router
<pre>en configure terminal hostname S3 vlan 2 name SETS vlan 3 name SBE vlan 4 name SLASS int range f0/1-8 switchmode mode access switchport access vlan 2 exit int range f0/9-16 switchmode mode access switchport access vlan 3 exit int range f0/17-24 switchmode mode access switchport access vlan 4 exit int g0/1 switchport mode trunk exit do wr</pre>	<pre>en configure terminal hostname R1 int g0/0 no shutdown int g0/0.2 encapsulation dot1q 2 ip address 192.168.12.62 255.255.255.192 exit int g0/0.3 encapsulation dot1q 3 ip address 192.168.12.126 255.255.255.192 exit int g0/0.4 encapsulation dot1q 4 ip address 192.168.12.190 255.255.255.192 exit do wr</pre>

Inter- Network Routing Configuration

IUB- Router	BUET- Router	SUST- Router
en Configuration terminal router rip version 2 network 192.168.10.0 network 192.168.10.64 network 192.168.10.128 network 200.100.50.8	en Configuration terminal router rip version 2 network 192.168.11.0 network 200.100.50.8 network 200.100.50.12	en Configuration terminal router rip version 2 network 192.168.12.0 network 192.168.12.64 network 192.168.12.128 network 200.100.50.12

Note:

1. Set IP in Every Router(s0/0/0, s0/0/1, g0/0)
2. Set IP in Every PC
3. Ping

IP Set

IUB-Router	<pre>int s0/0/0 ip address 200.100.50.9 255.255.255.252 no shutdown do wr</pre>
BUET-Router	<pre>int s0/0/1 ip address 200.100.50.10 255.255.255.252 no shutdown exit int s0/0/0 ip address 200.100.50.13 255.255.255.252 no shutdown exit int g0/0 ip address 192.168.11.254 255.255.255.0 no shutdown exit do wr</pre>
SUST-Router	<pre>int s0/0/1 ip address 200.100.50.14 255.255.255.252 no shutdown do wr</pre>