18|12|2024 Experiment 11(VLAN)

Observation:

```
and PC communicals
       constance VIAN
  along
                 VLAN and
       construct
 Tepology:
                10 Gaz-168.2 miles
MA one of Share
          192.159.1.2 192.148.1.3 192.168$.2 109.168.23
 Procedure.
   nneed Roule (1841), suited and 4PCs allie
 faith etherno using appear straight as was
                 PC hand configure louter mulh
   Reuter & en able
  router # config terminal
router (config) # interface
                          fa olo
   route (centig of) # sp addien 192 168 1-1 255 25 280
 router (woufig- if) # no
```

37 In switch go do config tab and scled VIAN and adaptors of the state of the state

as set VIAN number and VIAN name
where four se forthelherned 5/1, and make
at brench VIAN termberg allows suich che de
formeard frame from deff. VIAN over single
buck called burnt.

54 this is diene by adding on additional heads suffermation called lag to etherned frame

Et Leole siche interface of smilder such 2 New LAN Suplem config fab of souler select VLAN DATABASE onler number and name of VLAN accated.

Router (ulan) #exid

Router (unifig terminal

Router (unifig) # interface fastethernet 0/0.1

Router (unifig - subst) # encapsulation dot lq 2

Kenter (unifig - subst) # ep address 192.168-2.1

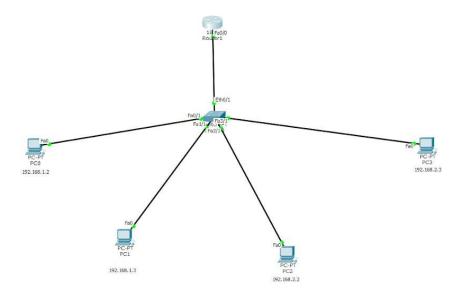
255.2555 255.6

Router (config - subif) #ho shid Router Cronfig - subif) # coul couler Cronfig)# exct

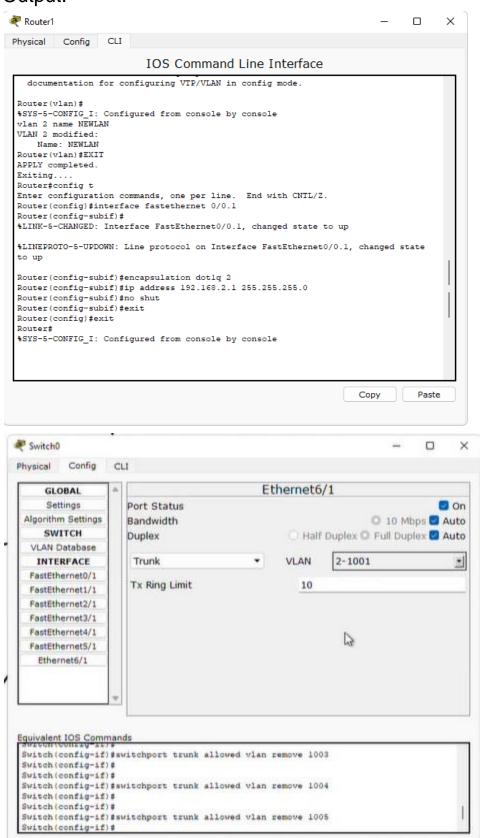
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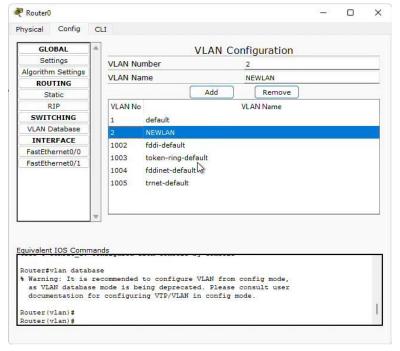
A VERN segments a reliver into victual groups It enhance securely and reduce broadcad traffic. On purging over VERN, the I'Cs are able to communicate

Topology:



Output:





```
*LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up exit
Router(config)  
Router(config)  
Router(stand database  
* Warning: It is recommended to configure VLAN from config mode, as VLAN database mode is being deprecated. Please consult user documentation for configuring VTP/VLAN in config mode.

Router(vlan)  
* SYYS-5-CONFIG_I: Configured from console by console vlan 2 name NEWLAN  
VLAN 2 modified:  
Name: NEWLAN  
Router(vlan)  
*EXIT
```

