EXPERIMENT 11

AIM:

To construct a VLAN and make the PC's communicate among a VLAN.

OBSERVATION:

	⊼ Bafna Gold —
	Nata: Page:
3-5-23	AIM: To construct a VLAN and make the PC's
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_	communicate amoro a VIAN
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1	192.168.2.1.
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. 1	PC-PT
	F-0.3/12 PC3
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	1 / 1 / 1 / 1 / 2 - PI
	192.169.20.2
	PL-PT : t plan # stall
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100	11 014 00 11 - 05 43 01 1 1 2 4
1/22.22	101-301/2Pl metho of the (hi-pital state)
	PROCEDURE: 12 On # (fingilles) stud
17	Set up the topology as shown above
eljolo	Router (copies - cities) social 148/1020 (obies
1158-238	1.05 golispf webbo of # (1/duz-ribro) with 1/
20	Add any extra part to the switch as its
	needed. The # (fider - gifral estral 6/1)
	10/2
3	Use copper straight through wire. Set the
, , ,	appearance insuling where see
The second second second	

IP address and gateway. 4. In Switch -> config -> VLAN database give any VLAN number, here 20, and VLANTON here -> NEW VLAN 5. Select add. Select the interface here Pastethernet 0/1 (nearest to the switch from router) & make it trunk (from Access) 6. Look into fastethernet 3/1 & Ethernet 6/1
and chant VLAN 1 to 20: NEW VLAN. 70 In Router -> Select VLAN PATABASE, enterthe number and name of the VLAN created. In CLI of router. fastetheinet of Router (War) # exit Apply completed. Router (config) # interface partethernet of Router (config-if) ## ip addies 192.168.1.1 255.255.255 Router (config-if) # no shut
Router (config) # interface fortetherne t 0/0.1 Router (config-subjf) # encapsulation dottg 20 Router (config-subjf) # ip address 192-168. 20.1 255.255.255.0 Route Cooping subil) # poshut Router (config - subif) # exit.



RESULT: (in PCO)

PC > ping 192-168-10.3

Pinging 192.168: 1.3 with 32 bytes of data:

Reply from 192-168-1-3: bytes = 32 time = 1ms TTL=128

Reply from 192-168-1-3: bytes = 32 time = 0ms TTL=128

Reply from 192-168-1-3: bytes = 32 time = 0ms TTL=128

Reply from 192-168-1-3: bytes = 32 time = 0ms TTL=128

Ping statistics for 192-168-1.3:

Packets: Sent=4, Received =4, Lost=0 (07-Loss)

Approximate round trip times in milli-seconder:

Minimum = oms Maximum = 1 ms Average = oms.

PC 7 ping 192.168.20.3.

Pinging 192-168.20-3 with 32 bytes of data:

Reply from 192.168.20.3: bytes = 32 time=lms TTL=127
Reply from 192.168.20.3: bytes = 32 time=Dmg TTL=127
Reply from 192.168.20.3: bytes=32 time=Dmg TTL=127
Reply from 192.168.20.3: bytes=32 time=Oms TTL=127

fig statistics for 192-168-20.3:

Packets : sent=4, Received = 3, Last = 1

Approximate round trip times in milli-seconds:

Minimum = ons, Maximum = 1 ms, Average = 0 ms

OBSERVATIONS: (039 ai) STANSAR 1. VLAN > Virtual al ocal Area Metrooik is any broadcast domain that is partitioned and isolated in a computed network at the 20 It is a virtualized connection that corrects multiple devices and network note from different LAN's into one logical retrout ask alliming and girt haires stoninger

Result:





