

- · One switch is connected to 4 6 laptops/PCs with IP address 192.168.0.1 to 192,168,0.6 respectively.
- · Now we have to go click on CLI tab situated inside switch and we have to write some commands. switch) en

Switch # won fig t

Switch (config) # hostname swl

swl (only) # vlan 10

SWI (Lonfig-vlan) # name sales

SWI (config-vlan) # vlan 20

SWI (wonfig-votan) # name marketing

SWI (config-vlan)# 12

swl#sh vlan brief

NLAN	Name	Status
1.	detailt	active

Ports

fa011, fa012, fa013, fa014, la015, fa016 taolo, faol8, faola, faolo, faolu, faoliz, ango/1, ango/2.

10	sales	active
20	marketing	achie
1002	Hildi-delault	active
1003	to hen-ring-detault	active
1004	fiddings -d Rhult	active
1005	tract-detailt	actual

sul# config t swl (config) # int range &0/1-3 swil (config-it-crange) # mores when men switchport access vian 10 SWI (configuid-range) # Int. range 10/4-6 swl (config-if-range)#smitchport access vlan 20 SW/# (config-11-range) # 12

Swl # sh vlan brief

VLAN Name Status Ports acture Paula, Raol8, Fa 0/9, Pa 0/10, Fa0/11, default Pa 0/12, Pa hig 0/1, hig 0/2. sales 10 active Fa0/1, Fa0/2, Ex0/3) marketing 20 Paoly, Faols, Paols active fid di-default 1002 achil token - ring-details active 1003 1004 fiddinet-default achie 1005

achie

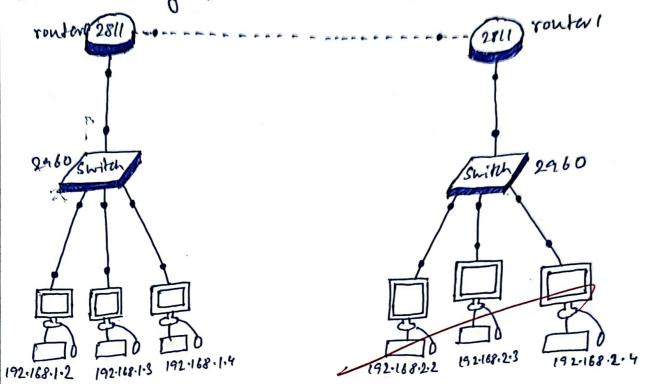
swl# wr Building wonfiguration . . . [ok]

trnet-detault

- · Now there are two VLOW parts when to and as sales and vlan 20 as marketing.
- within · Now we can star send packets only tooks 192-168.0.1, (sales) med which means ip addresses 192.168.0.2\$ 192.168.0.3. Open to contrar and antother vlan 20 can send packets with thenselves only, that nears vlan co can't consect and get connected with vlan 20 and will versa.
- · If ap actions LAPTOP/PC(192.168.0.1) want to send to another vlan 192.168.0.5 then output pachets

Ping stistes for 192:168.0.5:
Pachets: Sent 204, Received 20, Lost 24 (100% 1055).

State routing or with two nonders.



- One router (2811) is connected to a switch (2960) and then the switch is connected to 3 PCs with IP address 192.168.1.2 to 192.168.1.4. Another router with same specifications is connected to another switch (2960) is connected to 3 PCs with SP address 192.168.2.2 to 192.168.2.4.
- · Now in torrie have to clock on first routers and elveh CLI tab, and have to set its ip address mark and every wring commands

Rowsen en

Romber # contig t

Router (contro) # ind folo
Router (contro) # ind folo
Router (contro-it) # ip add 192.168.1.1 255.255.255.0
Router (contro-it) # no sh

Router (config-1f) # int fo/1

Router (config-1f) # add 10.1.1.1 255.0.0.0

Router lonfig-it) # no sh

Router (config-it) ^2

Router # ip int bri

Interface IP-Adman 'OK? Method Status Product.

Fast Bitemetolo 192:168:1:1 YES manual up up

Fast Ettemetol 1 10:1:1:1 YES manual up up

Viant unassigned YES administrating dun down

Router # (confg) # ip. work 192.168.2.0 255.255.255.0 10.1.1.2

- Now weder router 00 we have to change the detruit getary
 As router's ip address 192.168.1.1.
- Now in router I we have to do the same things we have done in router 0 can CLI accordance command line, wing the same commands changes the ip addresses. The consider work be
- · After that we have to set the detailt getting under router! ias router's ip address 192.168.2.1
- Now we can send packets from routerO's connected the PC's (192.168.1.2) to routerI's wonested PC's (192.168.2.3)
 The output will be.

At first try we will get 25% loss And at last we will get or loss Ping statistics for 192.168.23;

Pachets: Sent 24, Recented 24, Lost 20 (04. Loss)