

VLAN- Virtual Local Area Network

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1.Router Config

The screenshot shows the 'Router0' configuration window with the 'Config' tab selected. The left sidebar contains a tree view with categories: GLOBAL (Settings, Algorithm Settings), ROUTING (Static, RIP), SWITCHING (VLAN Database), and INTERFACE (FastEthernet0/0, FastEthernet0/1). The 'FastEthernet0/0' interface is selected. The main configuration area shows the following settings:

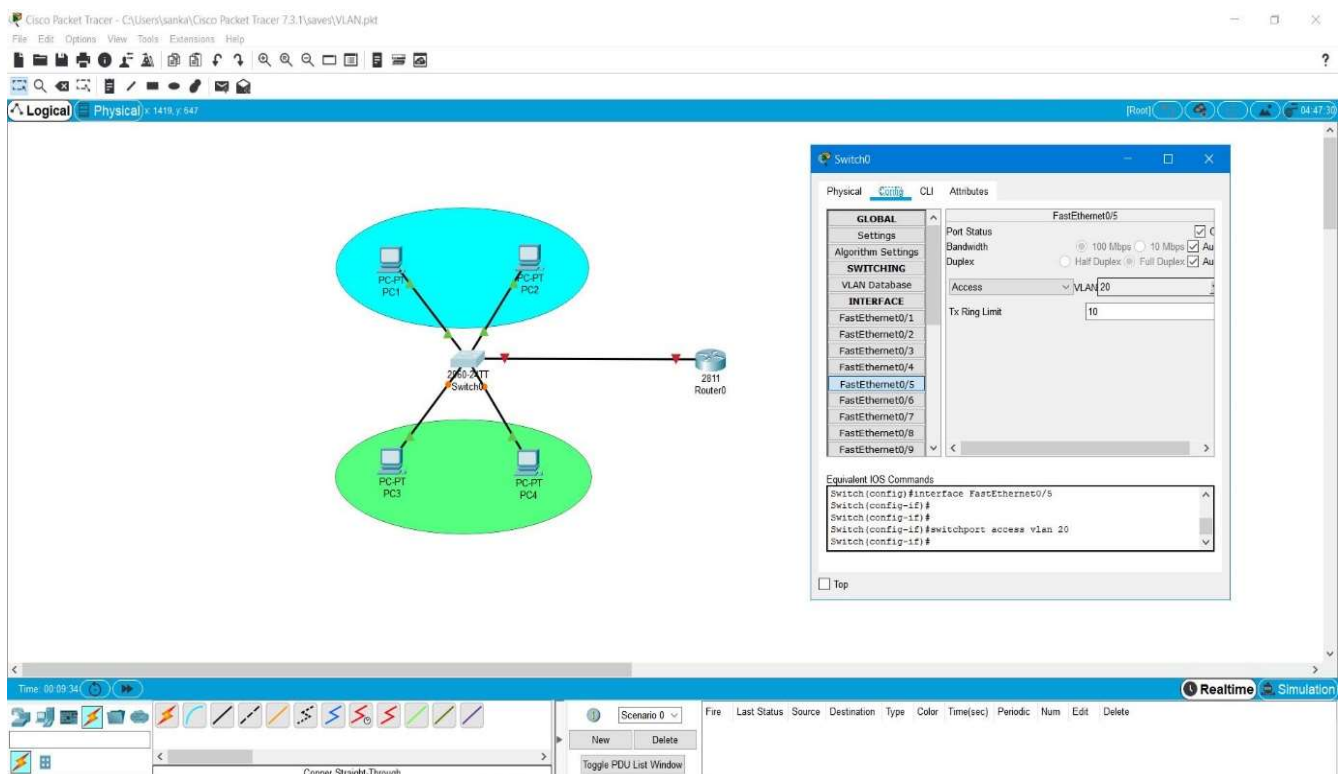
- Port Status: ☐ On
- Bandwidth: ☒ 100 Mbps ☐ 10 Mbps ☒ Auto
- Duplex: ☒ Half Duplex ☐ Full Duplex ☒ Auto
- MAC Address: 0060.5C79.7A01
- IP Configuration:
 - IPv4 Address: 192.168.1.1
 - Subnet Mask: 255.255.255.0
- Tx Ring Limit: 10

Below the configuration area, there is a section titled 'Equivalent IOS Commands' with a text area containing the following commands:

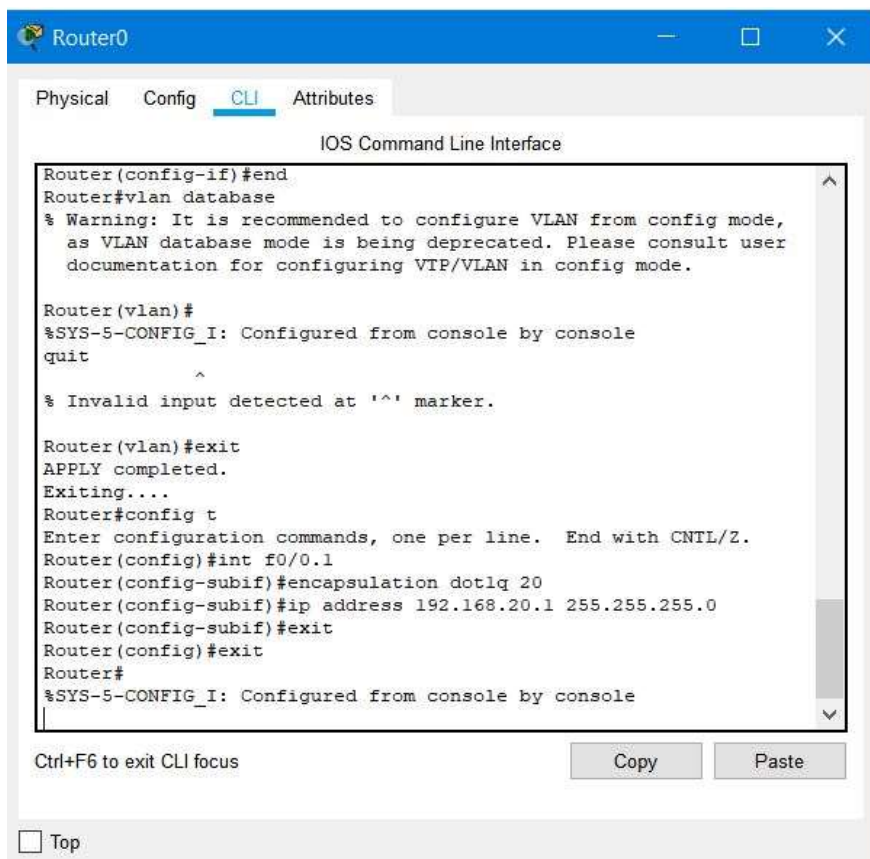
```
Enter configuration commands, one per line. End with CNTL/Z.  
Router(config)#interface FastEthernet0/0  
Router(config-if)#ip address  
% Incomplete command.  
Router(config-if)#ip address 192.168.1.1 255.255.255.0  
Router(config-if)#ip address 192.168.1.1 255.255.255.0  
Router(config-if)#
```

At the bottom left, there is a 'Top' button with a small square icon next to it.

2.Switch Config



3.Router CLI Config



4.Output

Cisco Packet Tracer - C:\Users\sanka\Cisco Packet Tracer 7.3.1\saves\VLAN.pkt

File Edit Options View Tools Extensions Help

Logical Physical x:1173, y:1

Time: 00:20:51

Realtime Simulation

Scenario 0

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete

Toggle PDU List Window

Copper Straight-Through

Type here to search

Cisco Packet Tracer - E:\STUDY\COLLEGE\4TH SEM\Computer Communication\LAB\4\VLAN.pkt

File Edit Options View Tools Extensions Help

Logical Physical x:1280, y:216

Time: 00:00:48:539

PLAY CONTROLS

Realtime Simulation

Scenario 0

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

New Delete

Toggle PDU List Window

829

Type here to search

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	Type
	0.894	--	Switch0	STP
	0.895	Switch0	PC3	STP
	0.895	Switch0	PC4	STP
	0.901	--	Switch0	STP
	0.902	Switch0	PC1	STP
	0.902	Switch0	PC2	STP

Reset Simulation ☒ Constant Delay Captured to: 0.902 s

Play Controls

Event List Filters - Visible Events

AOL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, IoT, IoT TCP, LACP, LLDP, NDP, NETFLOW, NTP, OSPF, OSPFv6, PayP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show All/None

03:28 PM 23-02-2021

03:43 PM 23-02-2021