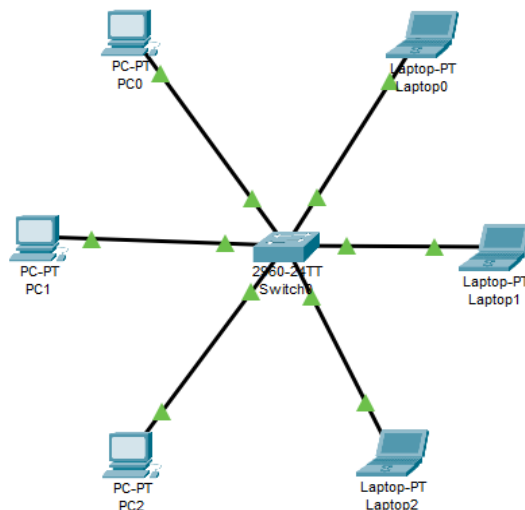


## Практическая работа 6 – Групповое конфигурирование портов при настройке VLAN

1. Построила компьютерную сеть для отдела бух и программеров, прописала каждому устройству айпишку



2. Настроила тем вилан 2 и оно правда суц шок смотреть всем 18+

```
graph TD
    Switch[2960-24TT Switch] --- PC0[PC-PT PC0]
    Switch --- Laptop0[Laptop-PT Laptop0]
    Switch --- PC1[PC-PT PC1]
    Switch --- Laptop1[Laptop-PT Laptop1]
    Switch --- PC2[PC-PT PC2]
    Switch --- Laptop2[Laptop-PT Laptop2]
```

Switch0

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#vlan 2
Switch(config-vlan)#name programmer
Switch(config-vlan)#int range fa0/1-3
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 2
Switch(config-if-range)#exit
Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#show vlan
```

VLAN Name	Status	Ports
1 default	active	Fa0/4, Fa0/5, Fa0/6, Fa0/7 Fa0/8, Fa0/9, Fa0/10, Fa0/11 Fa0/12, Fa0/13, Fa0/14, Fa0/15 Fa0/16, Fa0/17, Fa0/18, Fa0/19 Fa0/20, Fa0/21, Fa0/22, Fa0/23 Fa0/24, Gig0/1, Gig0/2
2 programmer	active	Fa0/1, Fa0/2, Fa0/3

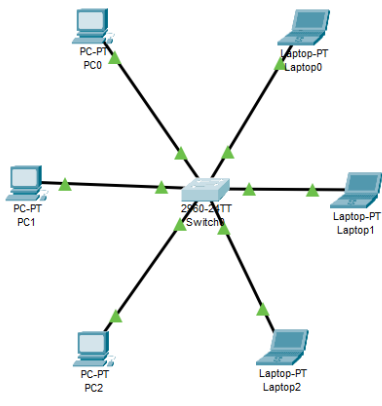
```
Switch#show vlan
VLAN Name      Status Ports
-----
1 default      active Fa0/4, Fa0/5, Fa0/6, Fa0/7
                Fa0/8, Fa0/9, Fa0/10, Fa0/11
                Fa0/12, Fa0/13, Fa0/14, Fa0/15
                Fa0/16, Fa0/17, Fa0/18, Fa0/19
                Fa0/20, Fa0/21, Fa0/22, Fa0/23
                Fa0/24, Gig0/1, Gig0/2
2 programmer    active Fa0/1, Fa0/2, Fa0/3
1002 fddi-default active
1003 token-ring-default active
1004 fddinet-default active
1005 trnet-default active

VLAN Type  SAID      MTU   Parent RingNo BridgeNo Stp  BrdgMode Transl Trans2
-----
1   enet    100001    1500   -     -     -     -   -       0       0
2   enet    100002    1500   -     -     -     -   -       0       0
1002 fddi    101002    1500   -     -     -     -   -       0       0
1003 tr      101003    1500   -     -     -     -   -       0       0
1004 fdnet   101004    1500   -     -     -     -   ieee    0       0
--More--
```

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### 3. И этим тоже провела сеть чтоб листат тикток



Switch0

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#vlan 3
Switch(config-vlan)#name buhg
Switch(config-vlan)#int range fa0/4-6
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 3
Switch(config-if-range)#exit
Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#show vlan
```

VLAN	Name	Status	Ports
1	default	active	Fa0/7, Fa0/8, Fa0/9, Fa0/10 Fa0/11, Fa0/12, Fa0/13, Fa0/14 Fa0/15, Fa0/16, Fa0/17, Fa0/18 Fa0/19, Fa0/20, Fa0/21, Fa0/22 Fa0/23, Fa0/24, Gig0/1, Gig0/2
2	programmer	active	Fa0/1, Fa0/2, Fa0/3
3	buhg	active	Fa0/4, Fa0/5, Fa0/6
1002	fdi-default	active	
1003	token-ring-default	active	
1004	fdinet-default	active	
1005	trnet-default	active	

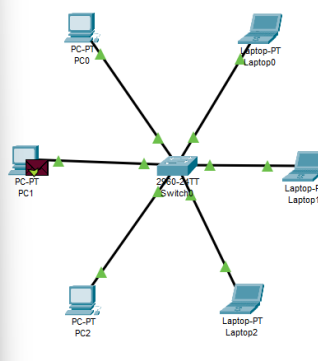
VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
1	enet	100001	1500	-	-	-	-	-	0	0
2	enet	100002	1500	-	-	-	-	-	0	0
3	enet	100003	1500	-	-	-	-	-	0	0
1002	fdi	101002	1500	-	-	-	-	-	0	0
1003	tr	101003	1500	-	-	-	-	-	0	0

--More--

Copy Paste

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### 4. Приказала скинуть друг другу тикток и все раб



PC1

Physical Config Desktop Programming Attributes

Command Prompt

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping
Cisco Packet Tracer PC Ping
Usage: ping [-n count] [-v TOS] [-t] target
C:\>ping 192.168.0.2
Pinging 192.168.0.2 with 32 bytes of data:
Reply from 192.168.0.2: bytes=32 time=4ms TTL=128
Reply from 192.168.0.2: bytes=32 time=4ms TTL=128
Reply from 192.168.0.2: bytes=32 time=1ms TTL=128
Reply from 192.168.0.2: bytes=32 time=3ms TTL=128
Ping statistics for 192.168.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 4ms, Average = 2ms
C:\>
```

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	0.000	--
	0.001	PC1
	0.002	Switch0
	0.003	PC2
	0.004	Switch0

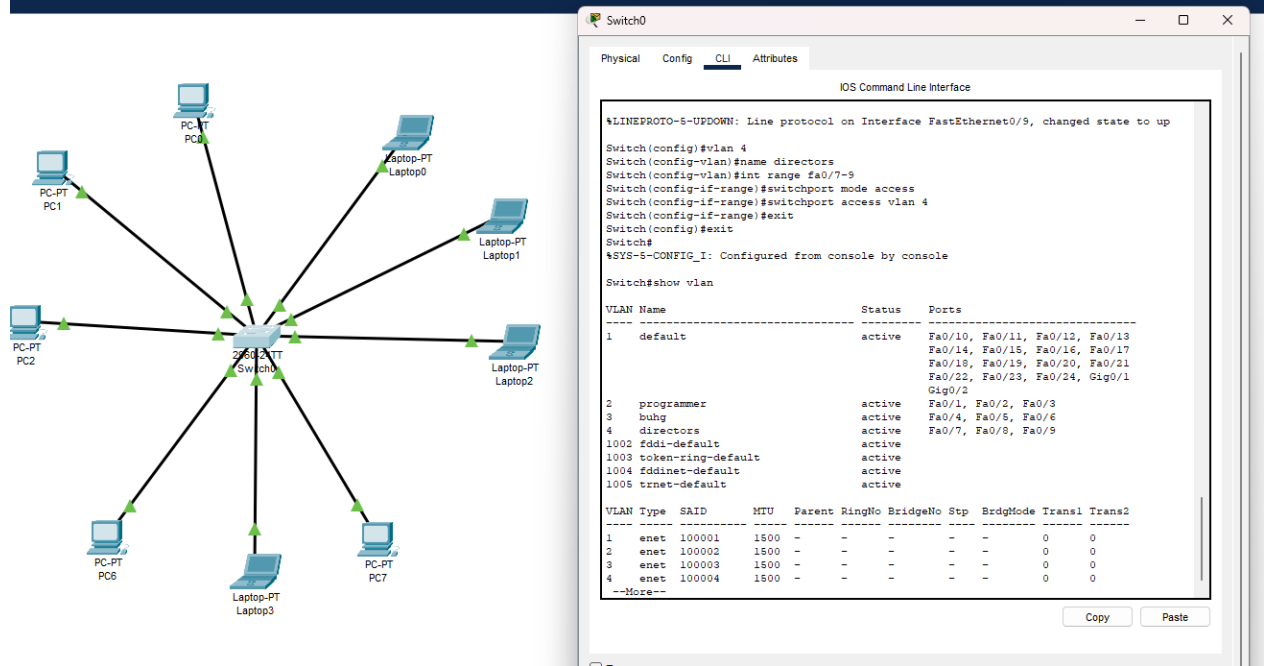
Reset Simulation Constant Delay Capt

Play Controls

Event List Filters - Visible Events

ACL Filter ARP BGP Bluetooth CAPWAP CDP DHCPv6 DNS DTP EAPOL EIGRP EIGRPv6 FT 323 HSRP HSRPv6 HTTP HTTPS ICMP ICMPv4 ISAKMP IOT MT TCP LACP LLDP Meraki NDP NETFLOW NTP OSPF OSPFv6 RARP POP3 IP

## 5. Подключила этим ишакам отдел директоров чтоб не расслаблялись



The network diagram shows a central 2960ZTT switch connected to ten devices: PC-PT PC1, PC-PT PC2, PC-PT PC6, Laptop-PT Laptop0, Laptop-PT Laptop1, Laptop-PT Laptop2, Laptop-PT Laptop3, and PC-PT PC7. The CLI output shows the configuration of VLAN 4 named 'directors' and the status of all VLANs.

```
Switch0
Physical Config CLI Attributes
IOS Command Line Interface

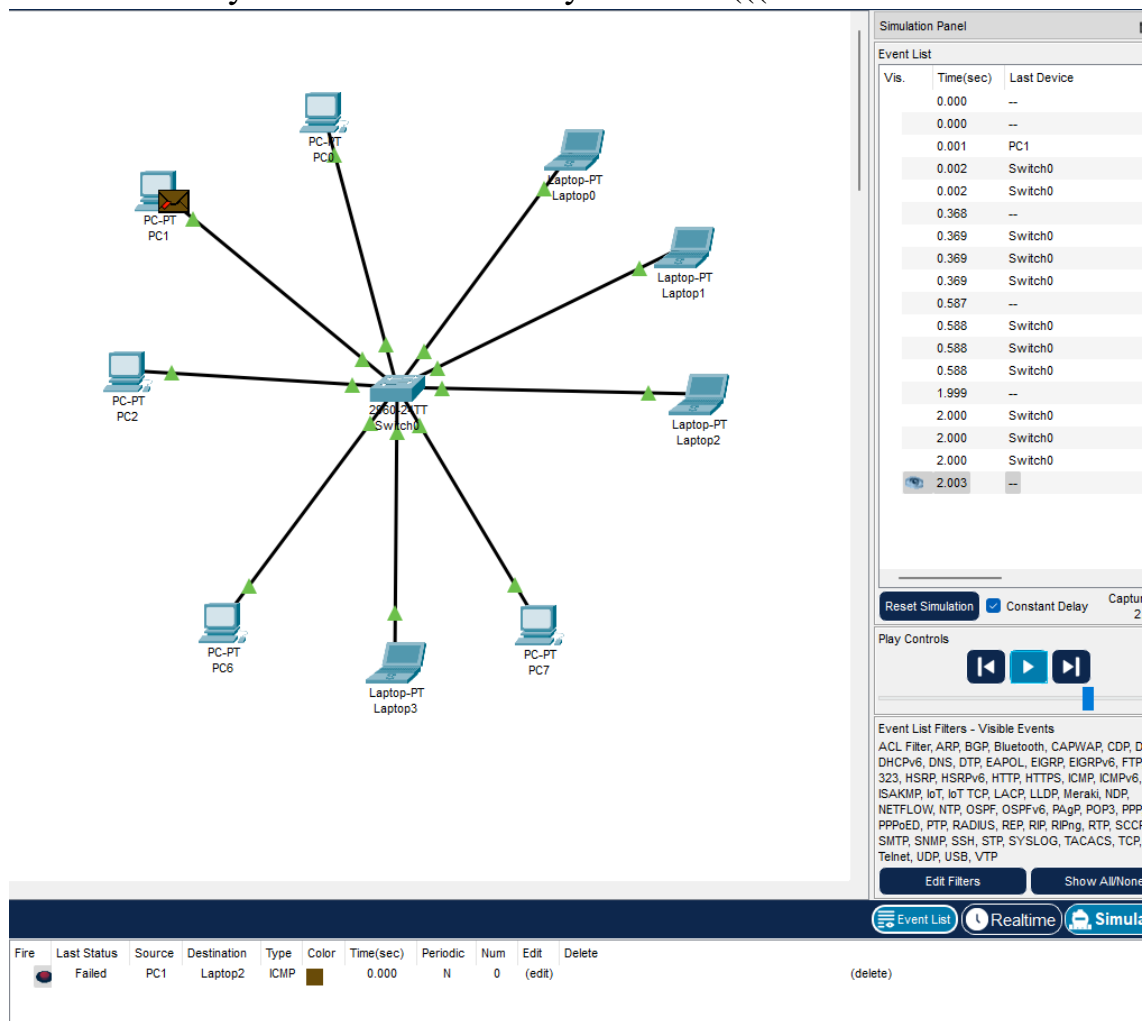
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/9, changed state to up
Switch(config)#vlan 4
Switch(config-vlan)#name directors
Switch(config-vlan)#int range fa0/7-9
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 4
Switch(config-if-range)#exit
Switch(config)#exit
Switch#
$SYS-5-CONFIG_I: Configured from console by console

Switch#show vlan

VLAN Name                Status    Ports
-----
1    default                active    Fa0/10, Fa0/11, Fa0/12, Fa0/13,
                                           Fa0/14, Fa0/15, Fa0/16, Fa0/17,
                                           Fa0/18, Fa0/19, Fa0/20, Fa0/21,
                                           Fa0/22, Fa0/23, Fa0/24, Gig0/1
                                           Gig0/2
2    programmer             active    Fa0/1, Fa0/2, Fa0/3
3    huhg                  active    Fa0/4, Fa0/5, Fa0/6
4    directors              active    Fa0/7, Fa0/8, Fa0/9
1002 fddi-default          active
1003 token-ring-default    active
1004 fddinet-default        active
1005 trnet-default          active

VLAN Type  SAID      MTU    Parent RingNo BridgeNo Stp    BrgdMode Trans1 Trans2
----
1    enet  100001   1500    -       -       -       -       -       0       0
2    enet  100002   1500    -       -       -       -       -       0       0
3    enet  100003   1500    -       -       -       -       -       0       0
4    enet  100004   1500    -       -       -       -       -       0       0
--More--
```

## 6. Почему он мне не пишет глупы сигма(((



The network diagram is identical to the one in section 5. The simulation panel on the right shows the Event List and Play Controls. The Event List shows a series of events occurring at various times, including a failed event at 2.003 seconds. The Play Controls show the simulation is running in Realtime mode.

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	0.000	--
	0.000	--
	0.001	PC1
	0.002	Switch0
	0.002	Switch0
	0.368	--
	0.369	Switch0
	0.369	Switch0
	0.369	Switch0
	0.587	--
	0.588	Switch0
	0.588	Switch0
	0.588	Switch0
	1.999	--
	2.000	Switch0
	2.000	Switch0
	2.000	Switch0
	2.003	--

Reset Simulation ☒ Constant Delay Captu 2

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP 323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPv2, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, Telnet, UDP, USB, VTP

Edit Filters Show All/None

Event List Realtime Simu

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Failed	PC1	Laptop2	ICMP		0.000	N	0	(edit)	(delete)

## 7. А тут все нормально горжусь собой

The screenshot displays a network simulation environment. On the left, a 'Command Prompt' window shows the output of a 'ping' command to 192.168.0.9, indicating successful connectivity with 0% loss and an average round-trip time of 2ms. The central part of the interface features a network diagram with a central 'Switch0' connected to various devices including 'PC-PT PC1' through 'PC7', 'Laptop-PT Laptop0' through 'Laptop3', and 'PCB'. On the right, the 'Simulation Panel' contains an 'Event List' table and 'Play Controls'.

**Event List**

Vis.	Time(sec)	Last Device
0.000	---	---
0.000	---	---
0.000	---	---
0.001	---	---
0.001	---	PC7
0.001	---	---
0.002	---	Switch0
0.002	---	Switch0
0.003	---	PCB
0.003	---	---
0.004	---	Switch0
0.004	---	Switch0
0.004	---	Switch0
0.004	---	---
0.005	---	Switch0
0.005	---	---
0.006	---	PC7
0.007	---	Switch0
0.008	---	PCB
0.009	---	Switch0
0.380	---	---

**Play Controls**

Reset Simulation ☒ Constant Delay Captured 14.605

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTLS, EAPOL, ESRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, iSCSI, L2TP, LACP, LLDP, MAPI, NTP, NETFLOW, NTP, OSPF, OSPFv6, RDP, POP3, PPP, PPPoE, PTP, RADIUS, RFP, RPP, RTR, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show AllNone

Event Log Realtime Simulation

Scenario 0

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC7	PC6	ICMP		0.000	N	0	(edit)	(delete)