

## Отчет по Практической работе 6 Cisco

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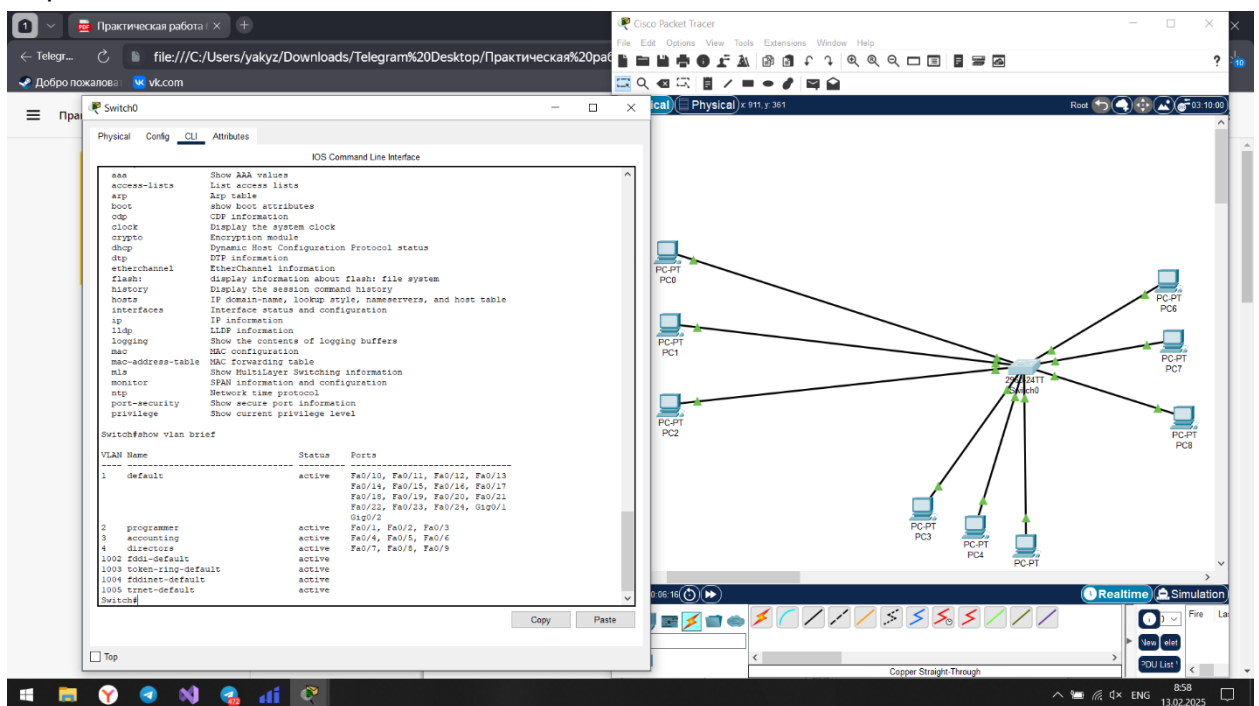
### 1. Цель работы

Настроить групповое конфигурирование портов коммутатора при настройке VLAN для разделения сети на отделы.

### 2. Ход выполнения работы

- Создана схема сети.
- Добавлен коммутатор и подключены компьютеры трех отделов.
- Настроены VLAN 2 (программисты), VLAN 3 (бухгалтеры) и VLAN 4 (директора).
- К каждому VLAN привязаны соответствующие порты.
- Проверена конфигурация командой show vlan brief (Показал на скрине).
- Отправил команды ping внутри VLAN и между VLAN и проверил отправку пакетов (Показал на скрине).

Скриншоты:



Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x 405 r 423

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	0.000	-
	0.000	-
	0.000	-
	0.000	-
	0.000	-
	0.000	-
	0.000	-
	0.000	-

Reset Simulation Constant Delay Captured to: 0.000 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, IRT, IRT LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPv2, RIPv3, SMTP, SNMP, SSH, SIP, Syslog, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show AllNone

Scenario 0

New Delete

Toggle PDU List Window

Copper Straight-Through

Time: 00:09:36.629 PLAY CONTROLS

Windows Taskbar: 9:06 13.02.2025

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x 1364 r 414

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	0.000	-
	0.000	-
	0.000	-
	0.000	-
	0.000	-
	0.000	-
	0.000	-
	0.000	-
	0.001	PC2
	0.001	PC3
	0.001	PC7
	0.002	Switch0
	0.002	Switch0

Reset Simulation Constant Delay Captured to: 0.598 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, IRT, IRT LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPv2, RIPv3, SMTP, SNMP, SSH, SIP, Syslog, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show AllNone

Scenario 0

New Delete

Toggle PDU List Window

Copper Straight-Through

Time: 00:09:36.619 PLAY CONTROLS

Windows Taskbar: 9:08 13.02.2025

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x 1374 y 293

Simulation Panel

Vis	Time(sec)	Last Device
0.000	-	-
0.000	-	-
0.000	-	-
0.001	PC2	PC2
0.001	PC3	PC3
0.001	PC7	PC7
0.002	Switch0	Switch0
0.002	Switch0	Switch0
0.002	Switch0	Switch0
0.002	Switch0	Switch0
0.003	PC1	PC1

Reset Simulation Constant Delay Captured to: 0.598 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, iL2, ILL, LACP, LLDP, MRP, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPv2, RIPv3, SMTP, SNMP, SSH, SIP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show AllNone

Scenario 0

New Delete

Toggle PDU List Window

Copper Straight-Through

Time: 00:09:36.618 PLAY CONTROLS

Windows: File Explorer, Microsoft Edge, Cisco Packet Tracer, Taskbar icons.

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x 1953 y 337

Simulation Panel

Vis	Time(sec)	Last Device
0.001	PC2	PC2
0.001	PC3	PC3
0.001	PC7	PC7
0.002	Switch0	Switch0
0.002	Switch0	Switch0
0.002	Switch0	Switch0
0.002	Switch0	Switch0
0.003	PC1	PC1
0.003	PC5	PC5
0.003	PC8	PC8
0.004	Switch0	Switch0

Reset Simulation Constant Delay Captured to: 0.598 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, iL2, ILL, LACP, LLDP, MRP, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPv2, RIPv3, SMTP, SNMP, SSH, SIP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show AllNone

Scenario 0

New Delete

Toggle PDU List Window

Copper Straight-Through

Time: 00:09:36.618 PLAY CONTROLS

Windows: File Explorer, Microsoft Edge, Cisco Packet Tracer, Taskbar icons.

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x 918 x 306

Simulation Panel

Vis	Time(sec)	Last Device
0.002	Switch0	
0.002	Switch0	
0.002	Switch0	
0.003	PC1	
0.003	PC8	
0.004	Switch0	
0.004	Switch0	
0.004	Switch0	
0.005	PC2	

Reset Simulation Constant Delay Captured to: 0.598 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, IRT, IRT LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPv2, RIPv3, SMTP, SNMP, SSH, SIP, Syslog, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show All Filters

Scenario 0

New Delete

Toggle PDU List Window

Copper Straight-Through

Time: 00:09:36.618 PLAY CONTROLS

Windows taskbar: 9:08 13.02.2025

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x 1059 x 250

Simulation Panel

Vis	Time(sec)	Last Device
0.004	Switch0	
0.004	Switch0	
0.004	Switch0	
0.005	PC2	
0.005	PC7	
0.006	Switch0	
0.006	Switch0	
0.007	PC1	
0.007	PC8	
0.007	PC8	

Reset Simulation Constant Delay Captured to: 0.598 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, IRT, IRT LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPv2, RIPv3, SMTP, SNMP, SSH, SIP, Syslog, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show All Filters

Scenario 0

New Delete

Toggle PDU List Window

Copper Straight-Through

Time: 00:09:36.618 PLAY CONTROLS

Windows taskbar: 9:09 13.02.2025

