

Практическая работа №7

Тема: Использование магистральных портов

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1. В самом начале я добавил устройства в рабочую область и принялся настраивать коммутирующие устройства и создавать сети для программистов и бухгалтеров.

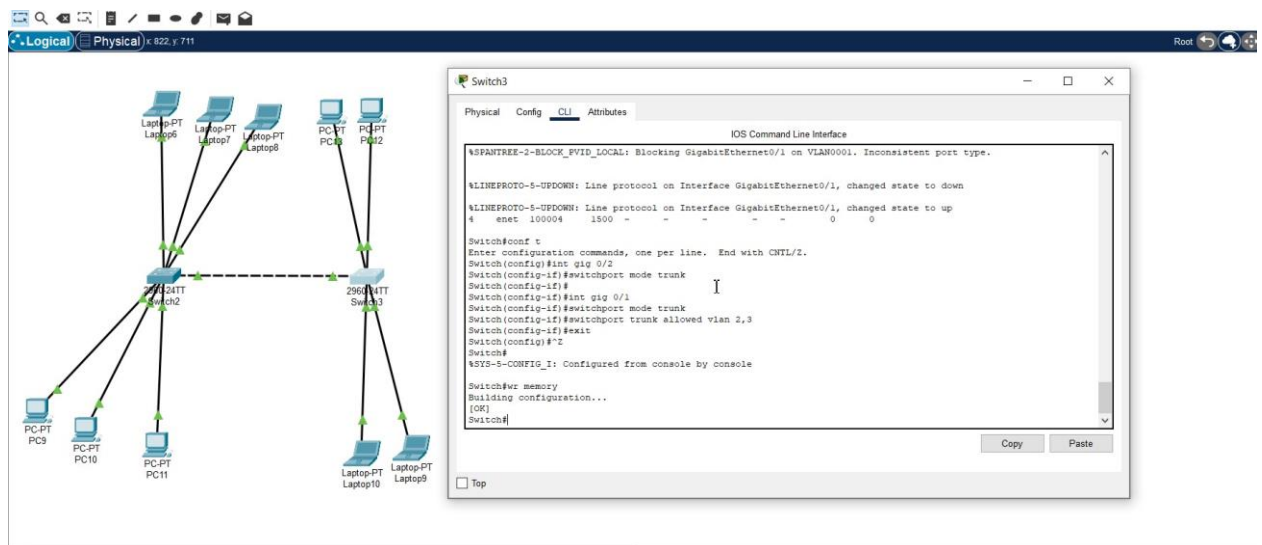
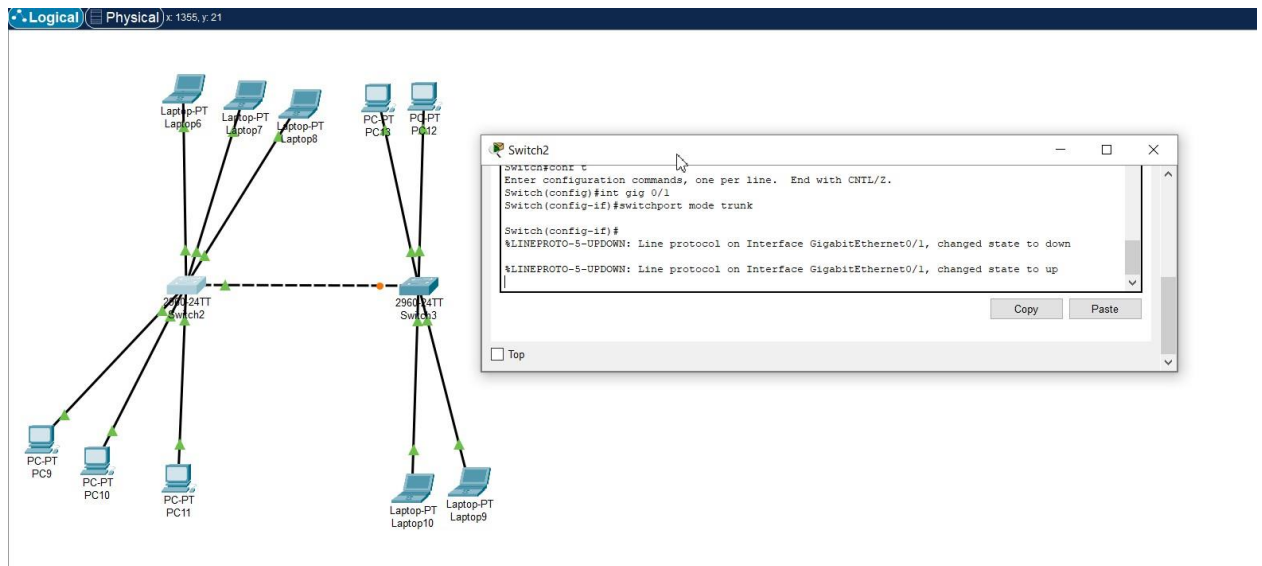
The top screenshot shows a network topology with a central switch (Switch2) connected to six devices: PC9, PC10, PC11, Laptop6, Laptop7, and Laptop8. The CLI window for Switch2 shows the following configuration:

```
Switch2
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#vlan 2
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#
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#vlan 3
Switch(config-vlan)#name programmer
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#
Switch#show vlan
VLAN Name                Status    Ports
-----
1  default                active    Fa0/1, Fa0/2, Fa0/3, Fa0/4, Fa0/5, Fa0/6, 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, Fa0/4, Fa0/5, Fa0/6, Fa0/17, Fa0/18, Fa0/19, Fa0/20, Fa0/21, Fa0/22, Fa0/23, Fa0/24, Gig0/1, Gig0/2
3  бухгалтер              active    Fa0/1, Fa0/2, Fa0/3, Fa0/4, Fa0/5, Fa0/6, Fa0/17, Fa0/18, Fa0/19, Fa0/20, Fa0/21, Fa0/22, Fa0/23, Fa0/24, Gig0/1, Gig0/2
```

The bottom screenshot shows a network topology with two switches (Switch2 and Switch3) connected to each other. Switch2 is connected to PC9, PC10, PC11, Laptop6, Laptop7, and Laptop8. Switch3 is connected to PC12, PC13, Laptop9, and Laptop10. The CLI window for Switch3 shows the following configuration:

```
Switch3
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#
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#vlan 3
Switch(config-vlan)#name бухгалтер
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#
Switch#show vlan
VLAN Name                Status    Ports
-----
1  default                active    Fa0/1, Fa0/2, Fa0/3, Fa0/4, Fa0/5, Fa0/6, 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, Fa0/4, Fa0/5, Fa0/6, Fa0/17, Fa0/18, Fa0/19, Fa0/20, Fa0/21, Fa0/22, Fa0/23, Fa0/24, Gig0/1, Gig0/2
3  бухгалтер              active    Fa0/1, Fa0/2, Fa0/3, Fa0/4, Fa0/5, Fa0/6, Fa0/17, Fa0/18, Fa0/19, Fa0/20, Fa0/21, Fa0/22, Fa0/23, Fa0/24, Gig0/1, Gig0/2
```

2. После настройки я соединил оба свитча перекрестным кабелем. Следующим шагом была конфигурация наших коммутирующих устройств.



3. Под конец я решил проверить передачу данных с помощью симуляции и команды ping

