

Презентация лабораторной работы №4

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Цель работы

- Первоначальное конфигурирование сети.

Задачи

- В логической рабочей области Packet Tracer разместите коммутаторы и оконечные устройства
- Настройте все коммутаторы

Результаты выполнения

- В логической рабочей области Packet Tracer разместите коммутаторы и конечные устройства

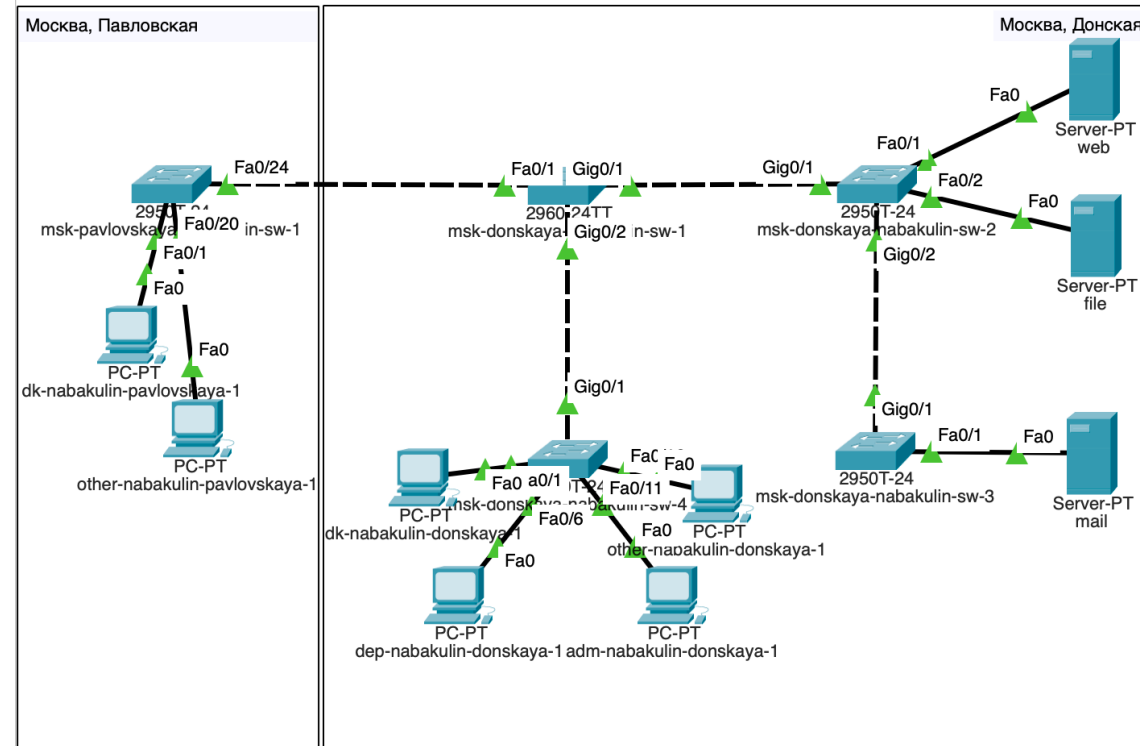


Рис. 1

Результаты выполнения

- Настройте все коммутаторы

```
Switch>enable
Switch#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname msk-pavlovskaya-nabakulin-sw-1
msk-pavlovskaya-nabakulin-sw-1(config)#interface vlan2
msk-pavlovskaya-nabakulin-sw-1(config-if)#no shutdown
msk-pavlovskaya-nabakulin-sw-1(config-if)#ip address 10.128.1.2 255.255.255.0
msk-pavlovskaya-nabakulin-sw-1(config-if)#ip address 10.128.1.6 255.255.255.0
msk-pavlovskaya-nabakulin-sw-1(config-if)#exit
msk-pavlovskaya-nabakulin-sw-1(config)#ip default gateway 10.128.1.1
^
% Invalid input detected at '^' marker.

msk-pavlovskaya-nabakulin-sw-1(config)#ip default-gateway 10.128.1.1
msk-pavlovskaya-nabakulin-sw-1(config)#line vty 0 4
msk-pavlovskaya-nabakulin-sw-1(config-line)#password cisco
msk-pavlovskaya-nabakulin-sw-1(config-line)#login
msk-pavlovskaya-nabakulin-sw-1(config-line)#exit
msk-pavlovskaya-nabakulin-sw-1(config)#line console 0
msk-pavlovskaya-nabakulin-sw-1(config-line)#password cisco
msk-pavlovskaya-nabakulin-sw-1(config-line)#login
msk-pavlovskaya-nabakulin-sw-1(config-line)#exit
msk-pavlovskaya-nabakulin-sw-1(config)#enable secret cisco
msk-pavlovskaya-nabakulin-sw-1(config)#service password-encryption
^
% Invalid input detected at '^' marker.

msk-pavlovskaya-nabakulin-sw-1(config)#service password-encryption
msk-pavlovskaya-nabakulin-sw-1(config)#username admin privilege 1 secret cisco
msk-pavlovskaya-nabakulin-sw-1(config)#ip domain-name donsкаya.rudn.edu
msk-pavlovskaya-nabakulin-sw-1(config)#crypto key generate rsa
The name for the keys will be: msk-pavlovskaya-nabakulin-sw-1.donsкаya.rudn.edu
Choose the size of the key modulus in the range of 360 to 2048 for your
General Purpose Keys. Choosing a key modulus greater than 512 may take
a few minutes.

How many bits in the modulus [512]:
% Generating 512 bit RSA keys, keys will be non-exportable...[OK]

msk-pavlovskaya-nabakulin-sw-1(config)#line vty 0 4
*Mar 1 0:35:0.900: RSA key size needs to be at least 768 bits for ssh version 2
*Mar 1 0:35:0.901: %SSH-5-ENABLED: SSH 1.5 has been enabled
msk-pavlovskaya-nabakulin-sw-1(config-line)#transport input ssh
msk-pavlovskaya-nabakulin-sw-1(config-line)#exit
msk-pavlovskaya-nabakulin-sw-1(config)#exit
msk-pavlovskaya-nabakulin-sw-1#
%SYS-5-CONFIG_I: Configured from console by console
write memory
Building configuration...
[OK]
```

Рис. 2

```
Switch>enable
Switch#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname msk-donskaya-nabakulin-sw-1
msk-donskaya-nabakulin-sw-1(config)#interface vlan2
msk-donskaya-nabakulin-sw-1(config-if)#no shutdown
msk-donskaya-nabakulin-sw-1(config-if)#ip address 10.128.1.2 255.255.255.0
msk-donskaya-nabakulin-sw-1(config-if)#exit
msk-donskaya-nabakulin-sw-1(config)#ip default gateway 10.128.1.1
^
% Invalid input detected at '^' marker.

msk-donskaya-nabakulin-sw-1(config)#ip default-gateway 10.128.1.1
msk-donskaya-nabakulin-sw-1(config)#line vty 0 4
msk-donskaya-nabakulin-sw-1(config-line)#password cisco
msk-donskaya-nabakulin-sw-1(config-line)#login
msk-donskaya-nabakulin-sw-1(config-line)#exit
msk-donskaya-nabakulin-sw-1(config)#line console 0
msk-donskaya-nabakulin-sw-1(config-line)#password cisco
msk-donskaya-nabakulin-sw-1(config-line)#login
msk-donskaya-nabakulin-sw-1(config-line)#exit
msk-donskaya-nabakulin-sw-1(config)#enable secret cisco
msk-donskaya-nabakulin-sw-1(config)#service password encryption
^
% Invalid input detected at '^' marker.

msk-donskaya-nabakulin-sw-1(config)#service password-encryption
msk-donskaya-nabakulin-sw-1(config)#username admin privilege 1 secret cisco
msk-donskaya-nabakulin-sw-1(config)#ip domain-name donsкаya.rudn.edu
msk-donskaya-nabakulin-sw-1(config)#crypto key generate rsa
The name for the keys will be: msk-donskaya-nabakulin-sw-1.donsкаya.rudn.edu
Choose the size of the key modulus in the range of 360 to 2048 for your
General Purpose Keys. Choosing a key modulus greater than 512 may take
a few minutes.

How many bits in the modulus [512]:
% Generating 512 bit RSA keys, keys will be non-exportable...[OK]

msk-donskaya-nabakulin-sw-1(config)#
*Mar 1 0:39:40.770: RSA key size needs to be at least 768 bits for ssh version 2
*Mar 1 0:39:40.770: %SSH-5-ENABLED: SSH 1.5 has been enabled
msk-donskaya-nabakulin-sw-1(config)#line vty 0 4
msk-donskaya-nabakulin-sw-1(config-line)#transport input ssh
msk-donskaya-nabakulin-sw-1(config-line)#exit
msk-donskaya-nabakulin-sw-1(config)#exit
msk-donskaya-nabakulin-sw-1#
%SYS-5-CONFIG_I: Configured from console by console

msk-donskaya-nabakulin-sw-1#write memory
Building configuration...
[OK]
```

Рис. 3