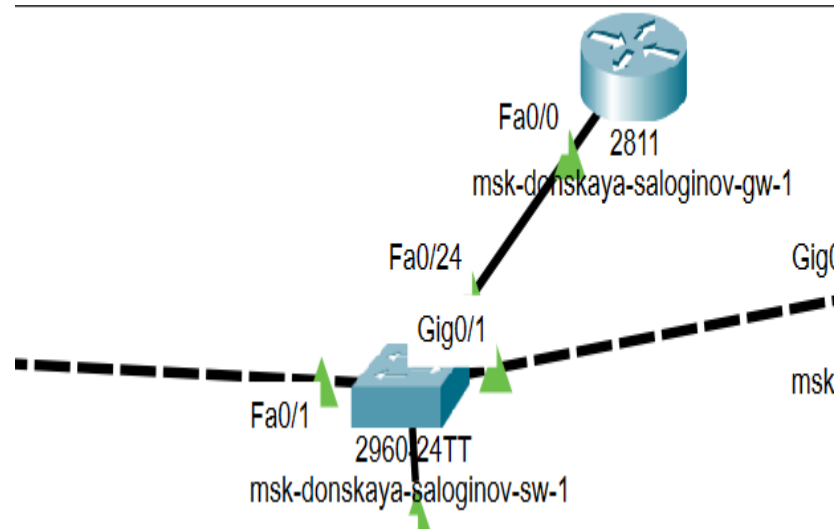


Лабораторная работа №6

Статическая маршрутизация VLAN

Логинов Сергей

Этап 1



IOS Command Line Interface

```
Enter configuration commands, one per line. End with CNTL/Z.
msk-donskaya-salloginov-gw1(config)#hostna
msk-donskaya-salloginov-gw1(config)#hostname msk-donskaya-salloginov-g
msk-donskaya-salloginov-gw-1(config)#^Z
msk-donskaya-salloginov-gw-1#
%SYS-5-CONFIG_I: Configured from console by console

msk-donskaya-salloginov-gw-1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
msk-donskaya-salloginov-gw-1(config)#line vty 0 4
msk-donskaya-salloginov-gw-1(config-line)#pass
msk-donskaya-salloginov-gw-1(config-line)#password cisco
msk-donskaya-salloginov-gw-1(config-line)#login
msk-donskaya-salloginov-gw-1(config-line)#ex
% Ambiguous command: "ex"
msk-donskaya-salloginov-gw-1(config-line)#^Z
msk-donskaya-salloginov-gw-1#
%SYS-5-CONFIG_I: Configured from console by console

msk-donskaya-salloginov-gw-1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
msk-donskaya-salloginov-gw-1(config)#en
msk-donskaya-salloginov-gw-1(config)#enable se
msk-donskaya-salloginov-gw-1(config)#enable secret cisco
msk-donskaya-salloginov-gw-1(config)#login
% Incomplete command.
msk-donskaya-salloginov-gw-1(config)#line console 0
msk-donskaya-salloginov-gw-1(config-line)#password cisco
msk-donskaya-salloginov-gw-1(config-line)#login
```

Этап 2

msk-donskaya-salloginov-gw-1

Physical Config **CLI** Attributes

IOS Command Line Interface

```
msk-donskaya-salloginov-gw-1(config)#interface f0/0.2
msk-donskaya-salloginov-gw-1(config-subif)#
%LINK-5-CHANGED: Interface FastEthernet0/0.2, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0.2, changed state to up

msk-donskaya-salloginov-gw-1(config-subif)#en
msk-donskaya-salloginov-gw-1(config-subif)#encapsulation dot
msk-donskaya-salloginov-gw-1(config-subif)#encapsulation dot1Q
% Incomplete command.
msk-donskaya-salloginov-gw-1(config-subif)#
msk-donskaya-salloginov-gw-1(config-subif)#encapsulation dot1Q 2
msk-donskaya-salloginov-gw-1(config-subif)#ip ad
msk-donskaya-salloginov-gw-1(config-subif)#ip address 10.128.1.1 255.255.255.0
^
% Invalid input detected at '^' marker.

msk-donskaya-salloginov-gw-1(config-subif)#ip address 10.128.1.1 255.255.255.0
msk-donskaya-salloginov-gw-1(config-subif)#des
msk-donskaya-salloginov-gw-1(config-subif)#description managment
msk-donskaya-salloginov-gw-1(config-subif)#int
msk-donskaya-salloginov-gw-1(config-subif)#interf
msk-donskaya-salloginov-gw-1(config-subif)#interface f0/0.3
msk-donskaya-salloginov-gw-1(config-subif)#
%LINK-5-CHANGED: Interface FastEthernet0/0.3, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0.3, changed state to up

msk-donskaya-salloginov-gw-1(config-subif)#
```

Этап 3

msk-donskaya-saluginov-dk

Physical Config **Desktop** Programming Attributes

Command Prompt

```
FastEthernet0 Connection:(default port)

Connection-specific DNS Suffix...:
Link-local IPv6 Address.....: FE80::201:97FF:FE9A:EA34
IPv6 Address.....: ::
IPv4 Address.....: 10.128.3.201
Subnet Mask.....: 255.255.255.0
Default Gateway.....: ::
                        10.128.3.1

Bluetooth Connection:

Connection-specific DNS Suffix...:
Link-local IPv6 Address.....: ::
IPv6 Address.....: ::
IPv4 Address.....: 0.0.0.0
Subnet Mask.....: 0.0.0.0
Default Gateway.....: ::
                        0.0.0.0

C:\>ping 10.128.5.201

Pinging 10.128.5.201 with 32 bytes of data:

Request timed out.
Reply from 10.128.5.201: bytes=32 time<1ms TTL=127
Reply from 10.128.5.201: bytes=32 time<1ms TTL=127
Reply from 10.128.5.201: bytes=32 time<1ms TTL=127

Ping statistics for 10.128.5.201:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Round-trip times in milliseconds:
```

Контрольные вопросы

- Охарактеризуйте стандарт IEEE 802.1Q.
- Опишите формат кадра IEEE 802.1Q.