Конфигурирование VLAN

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ЦЕЛЬ РАБОТЫ

Получить основные навыки по настройке VLAN на коммутаторах сети.

```
msk-pavlovskaya-agsargsyan-sw-1#en
msk-pavlovskaya-agsargsyan-sw-1#con f
% Ambiguous command: "con f"
msk-pavlovskaya-agsargsyan-sw-1#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
msk-pavlovskaya-agsargsyan-sw-1(config)#cisco
                                         ^
% Invalid input detected at '^' marker.

msk-pavlovskaya-agsargsyan-sw-1(config)#interface f0/24
msk-pavlovskaya-agsargsyan-sw-1(config-if)#switchport mode trunk
msk-pavlovskaya-agsargsyan-sw-1(config-if)#
msk-pavlovskaya-agsargsyan-sw-1#
%SYS-5-CONFIG_I: Configured from console by console

msk-pavlovskaya-agsargsyan-sw-1#wr m
Building configuration...
[OK]
msk-pavlovskaya-agsargsyan-sw-1#
```

```
Building configuration...
[OK]
msk-donskaya-agsargsyan-sw-1#en
msk-donskaya-agsargsyan-sw-1#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
msk-donskaya-agsargsyan-sw-1(config)#vtp mode server
Device mode already VTP SERVER.
msk-donskaya-agsargsyan-sw-1(config)#vtp domain donskaya
Changing VTP domain name from NULL to donskaya
msk-donskaya-agsargsyan-sw-1(config)#vtp password cisco
Setting device VLAN database password to cisco
msk-donskaya-agsargsyan-sw-1(config)#vlan 2
msk-donskaya-agsargsyan-sw-1(config-vlan)#
%LINK-5-CHANGED: Interface Vlan2, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan2, changed state to up

msk-donskaya-agsargsyan-sw-1(config-vlan)#vlan 2
msk-donskaya-agsargsyan-sw-1(config-vlan)#name management
msk-donskaya-agsargsyan-sw-1(config-vlan)#vlan 3
msk-donskaya-agsargsyan-sw-1(config-vlan)#name servers
msk-donskaya-agsargsyan-sw-1(config-vlan)#vlan 101
msk-donskaya-agsargsyan-sw-1(config-vlan)#name dk
msk-donskaya-agsargsyan-sw-1(config-vlan)#vlan 102
msk-donskaya-agsargsyan-sw-1(config-vlan)#name departaments
msk-donskaya-agsargsyan-sw-1(config-vlan)#vlan 103
msk-donskaya-agsargsyan-sw-1(config-vlan)#name adm
msk-donskaya-agsargsyan-sw-1(config-vlan)#vlan 104
msk-donskaya-agsargsyan-sw-1(config-vlan)#name other
msk-donskaya-agsargsyan-sw-1(config-vlan)#
msk-donskaya-agsargsyan-sw-1#
%SYS-5-CONFIG_I: Configured from console by console

msk-donskaya-agsargsyan-sw-1#wr memory
Building configuration...
[OK]
msk-donskaya-agsargsyan-sw-1#
```

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 10.128.6.201

Pinging 10.128.6.201 with 32 bytes of data:

Reply from 10.128.6.201: bytes=32 time<1ms TTL=128
Reply from 10.128.6.201: bytes=32 time<1ms TTL=128
Reply from 10.128.6.201: bytes=32 time<1ms TTL=128

Ping statistics for 10.128.6.201:
    Packets: Sent = 3, Received = 3, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

Control-C
^C
C:\>ping 10.128.4.201

Pinging 10.128.4.201 with 32 bytes of data:


Ping statistics for 10.128.4.201:
    Packets: Sent = 1, Received = 0, Lost = 1 (100% loss),

Control-C
^C
C:\>
```

ВЫВОД

1. На коммутаторах сети настроили Trunk-порты на соответствующих интерфейсах;

2. Один коммутатор настроили как vtp-сервер, другие как vtp-сервер;

3. Проверили доступность устройств, принадлежащих одному VLAN, и недоступность устройств, принадлежащих разным VLAN.