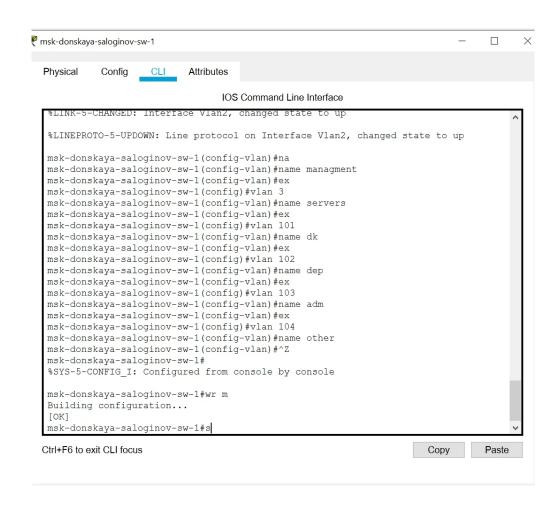
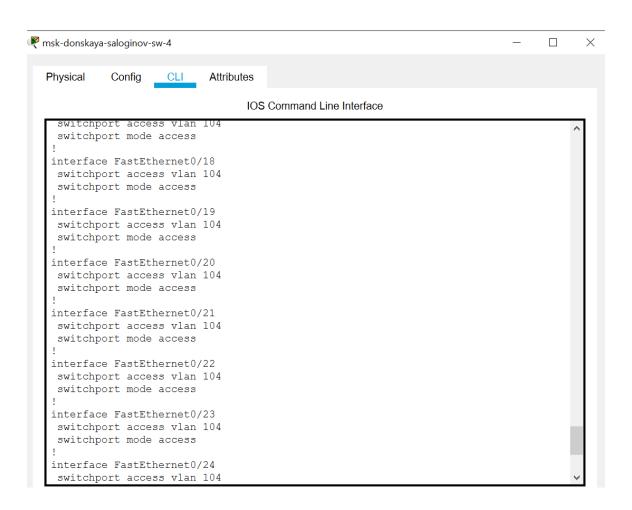
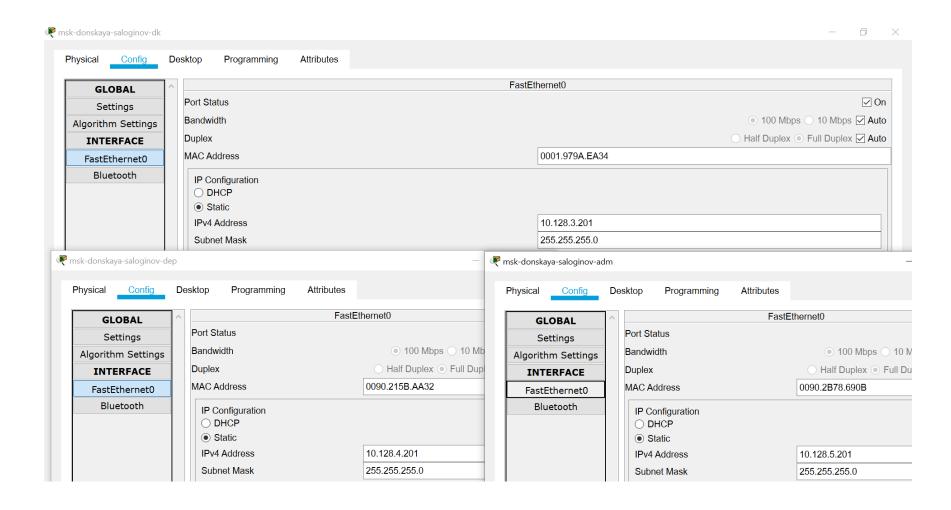
# Лабораторная работа №5

Конфигурирование VLAN









```
msk-donskaya-saloginov-dk
                                                                                        Mesk-donskaya-saloginov-dk
Physical
          Config
                 Desktop
                           Programming
                                        Attributes
                                                                                           Physical
                                                                                                          Desktop
                                                                                                                    Programming
                                                                                                                               Attributes
Command Prompt
                                                                                           Command Prompt
   IPv6 Address....::::
   IPv4 Address..... 10.128.3.201
                                                                                           Bluetooth Connection:
   Subnet Mask..... 255.255.255.0
   Default Gateway....::::
                                                                                              Connection-specific DNS Suffix ..:
                                   10.128.3.1
                                                                                              Link-local IPv6 Address....:::
                                                                                              IPv6 Address....:::
Bluetooth Connection:
                                                                                              IPv4 Address..... 0.0.0.0
                                                                                              Subnet Mask..... 0.0.0.0
   Connection-specific DNS Suffix..:
                                                                                              Default Gateway....::::
   Link-local IPv6 Address....:::
                                                                                                                           0.0.0.0
   IPv6 Address....:::
                                                                                           C:\>ping 10.128.3.202
   IPv4 Address..... 0.0.0.0
   Subnet Mask..... 0.0.0.0
                                                                                           Pinging 10.128.3.202 with 32 bytes of data:
   Default Gateway....::::
                                   0.0.0.0
                                                                                           Reply from 10.128.3.202: bytes=32 time=12ms TTL=128
                                                                                           Reply from 10.128.3.202: bytes=32 time=10ms TTL=128
C:\>ping 10.128.3.202
                                                                                           Reply from 10.128.3.202: bytes=32 time<1ms TTL=128
                                                                                           Reply from 10.128.3.202: bytes=32 time<1ms TTL=128
Pinging 10.128.3.202 with 32 bytes of data:
                                                                                           Ping statistics for 10.128.3.202:
Reply from 10.128.3.202: bytes=32 time=12ms TTL=128
                                                                                               Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Reply from 10.128.3.202: bytes=32 time=10ms TTL=128
                                                                                           Approximate round trip times in milli-seconds:
Reply from 10.128.3.202: bytes=32 time<1ms TTL=128
                                                                                               Minimum = 0ms, Maximum = 12ms, Average = 5ms
Reply from 10.128.3.202: bytes=32 time<1ms TTL=128
                                                                                           C:\>ping 10.128.4.201
Ping statistics for 10.128.3.202:
                                                                                           Pinging 10.128.4.201 with 32 bytes of data:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
                                                                                           Request timed out.
    Minimum = 0ms, Maximum = 12ms, Average = 5ms
```

## Контрольные вопросы

- Какая команда используется для просмотра списка VLAN на сетевом устройстве?
- Охарактеризуйте VLAN Trunking Protocol (VTP). Приведите перечень команд с пояснениями для настройки и просмотра информации о VLAN.
- Охарактеризуйте Internet Control Message Protocol (ICMP). Опишите формат пакета ICMP.
- Охарактеризуйте Address Resolution Protocol (ARP). Опишите формат пакета ARP.
- Что такое МАС-адрес? Какова его структура?