Лабораторная работа №2

Адмминистрирование локальных сетей

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Получить основные навыки по начальному конфигурированию оборудования Cisco.

Выполнение лабораторной работы

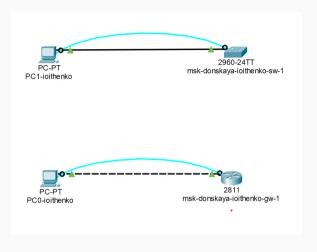


Рис. 1: Сеть

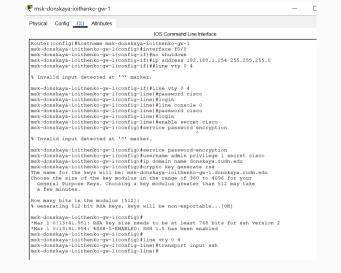


Рис. 2: Конфигурация маршрутизатора

Рис. 3: Конфигурация маршрутизатора

*Mar 1 0:23:12.61: RSA kev size needs to be at least 768 bits for ssh version 2

% Generating 512 bit RSA keys, keys will be non-exportable...[OK]

*Mar 1 0:23:12.61: %SSH-5-ENABLED: SSH 1.5 has been enabled msk-donskaya-joithenko-sw-01(config)#line vty 0 4 msk-donskaya-joithenko-sw-01(config-line)#transport input ssh

How many bits in the modulus [512]:

msk-donskava-ioithenko-sw-01(config)

msk-donskava-ioithenko-sw-01(config-line) #

```
PC0-ioithenko
Physical Config Desktop Programming Attributes
 Command Prompt
 C:\>inconfig
 FastEthernet0 Connection: (default port)
    Connection-specific DNS Suffix..:
    Link-local IPv6 Address ..... FR80::201:96FF:FE01:6149
    TPv6 Address..... ::
    Subnet Mask..... 255.255.255.0
    Default Gateway....: ::
 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.....
  ::\>ping 192.168.1.254
 Pinging 192,168,1,254 with 32 bytes of data:
 Reply from 192.168.1.254: bytes=32 time<1ms TTL=255
 Reply from 192.168.1.254: bytes=32 time<1ms TTL=255
Reply from 192.168.1.254: bytes=32 time<1ms TTL=255
 Reply from 192.168.1.254: bytes=32 time<1ms TTL=255
 Ping statistics for 192,168,1,254;
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
 Approximate round trip times in milli-seconds:
    Minimum = Oms. Maximum = Oms. Average = Oms
  C:\>telnet 192.168.1.254
 Trving 192,168,1,254 ...Open
 [Connection to 192,168,1,254 closed by foreign host]
 C:\>ssh -1 admin 192.168.1.254
 Password:
 msk-donskaya-ioithenko-gw-1>exit
  [Connection to 192,168,1,254 closed by foreign host]
```

Рис. 4: Пинг и подключение по telnet и ssh

```
PC1-ioithenko
Physical Config Desktop Programming Attributes
    Connection-specific DNS Suffix..:
    Link-local IPv6 Address..... FE80::203:E4FF:FE35:EB63
   IPv6 Address
    Subnet Mask..... 255.255.255.0
   lustooth Connection:
    Connection-specific DNS Suffix...
    Link-local IPv6 Address.....: ::
    TPv6 Address..... : ::
    IPv4 Address..... 0.0.0.0
    Subnet Mask...... 0.0.0.0
    Default Gateway....::::
   \>ping 192.168.2.1
  Pinging 192,168,2,1 with 32 bytes of data:
 Request timed out.
Reply from 192.168.2.1: bytes=32 time<1ms TTL=255
Reply from 192.168.2.1: bytes=32 time<1ms TTL=255
  tenly from 192,168,2,1: bytes=32 time=10ms TTL=255
 Ping statistics for 192,168,2,1;
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
  Approximate round trip times in milli-seconds:
    Minimum = Oms, Maximum = 10ms, Average = 3ms
   :\>ping 192.168.2.1
 Pinging 192.168.2.1 with 32 bytes of data:
 Benly from 192,168,2,1: hytess32 time<1ms TTL=255
 Reply from 192,168,2,1; bytes=32 time<lms TTL=255
 Reply from 192.168.2.1: bytesm32 time<lms TTLm255
 Reply from 192,168,2,1; bytes=32 time<lms TTL=255
 Ping statistics for 192,168,2,1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
 Approximate round trip times in milli-seconds:
     Minimum = Oms. Maximum = Oms. Average = Oms
  :\>telnet 192,168,2,1
 Trying 192.168.2.1 ... Open
  Connection to 192,168,2,1 closed by foreign host!
   :\>ssh -1 admin 192.168.2.1
 Password:
 mek-donekaya-inithanko-ey-01bayit
```

Рис. 5: Пинг и подключение по telnet и ssh



В ходе выполнения лабораторной работы я получила основные навыки по начальному конфигурированию оборудования Cisco.