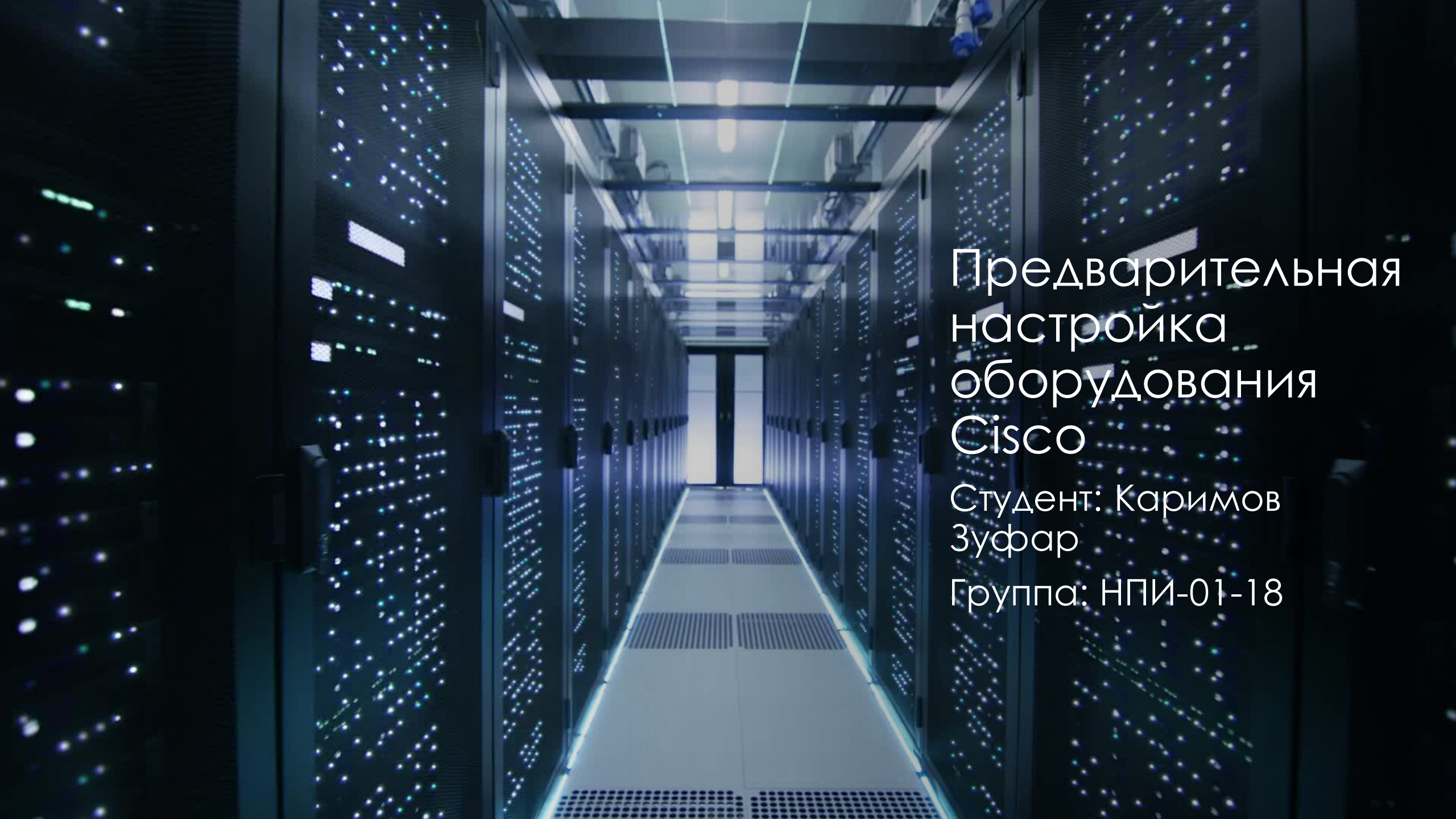
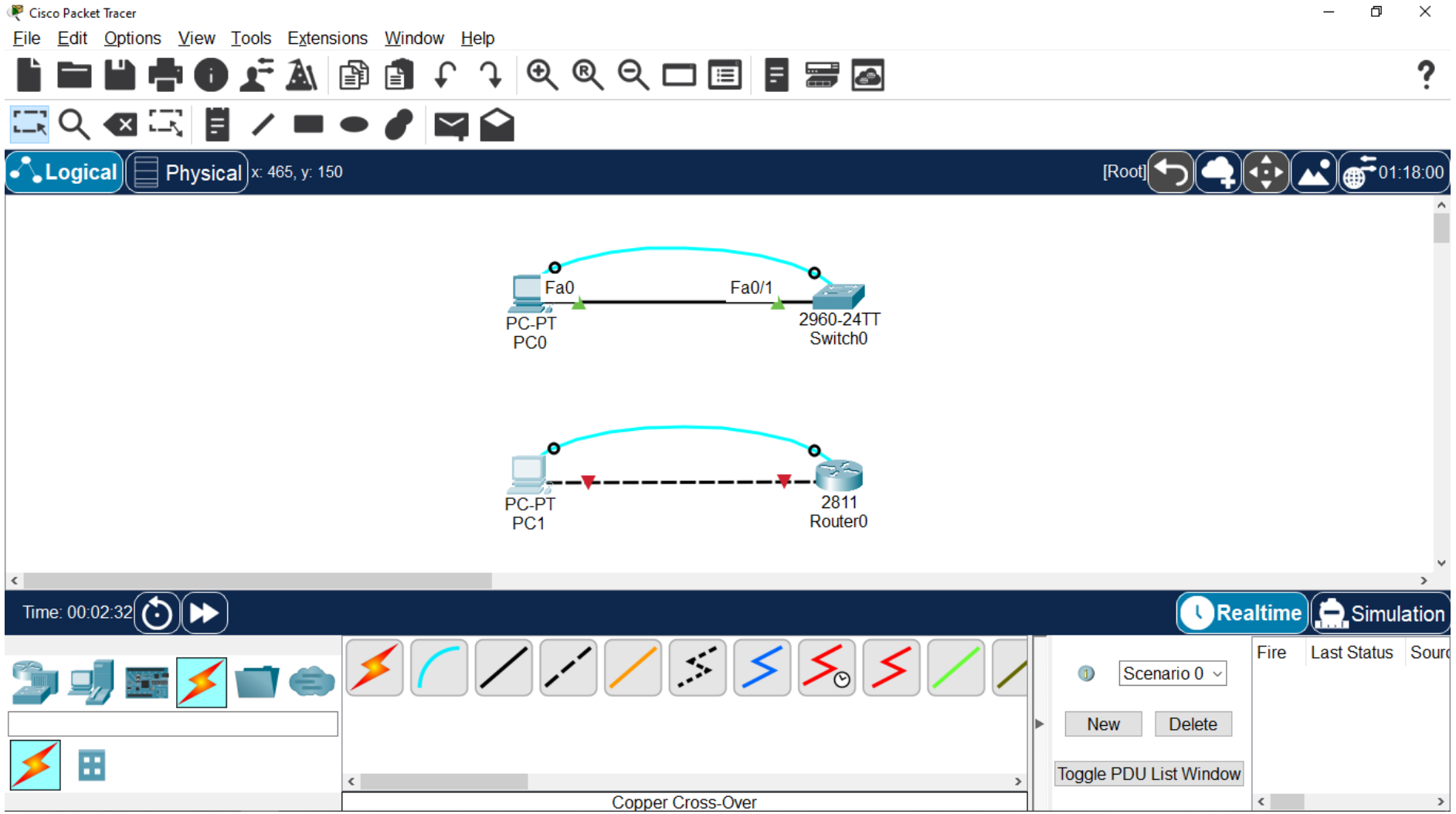


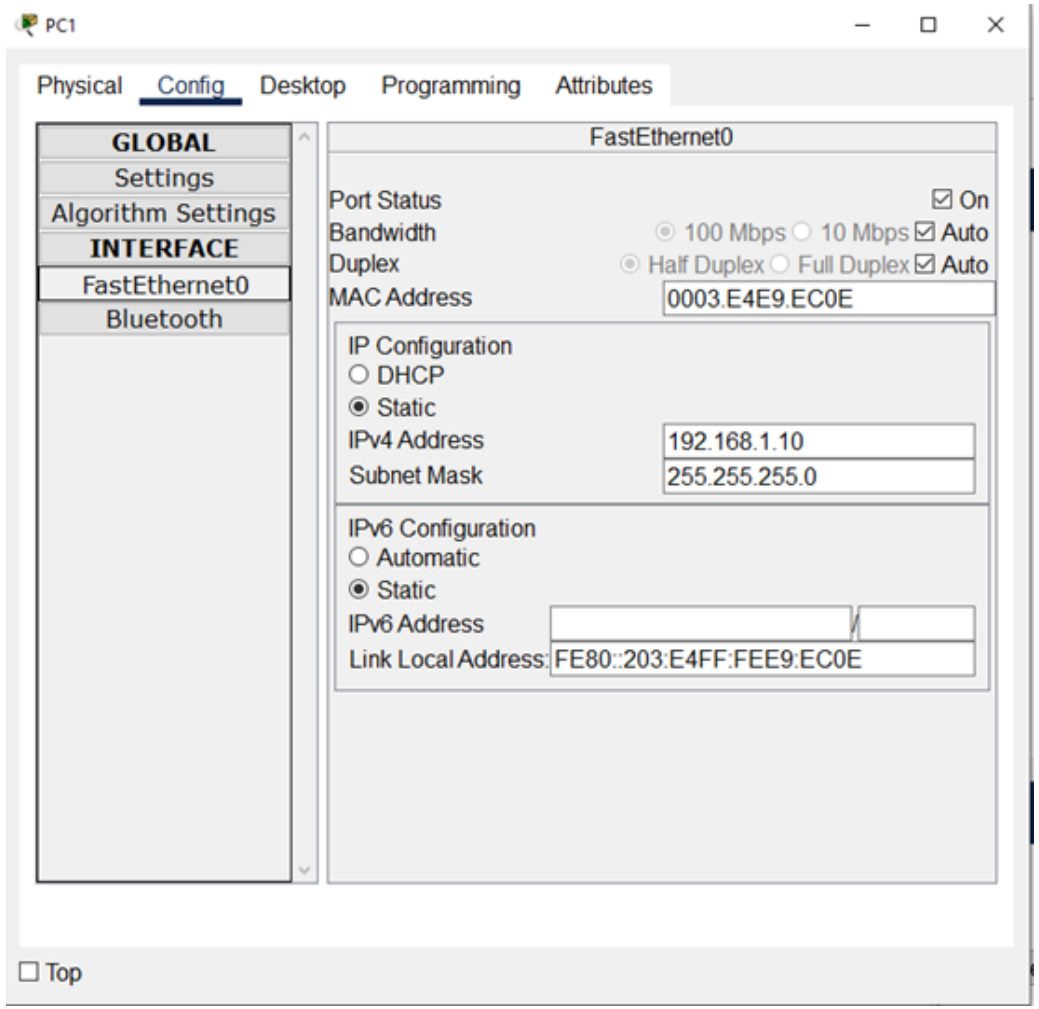
Предварительная настройка оборудования Cisco

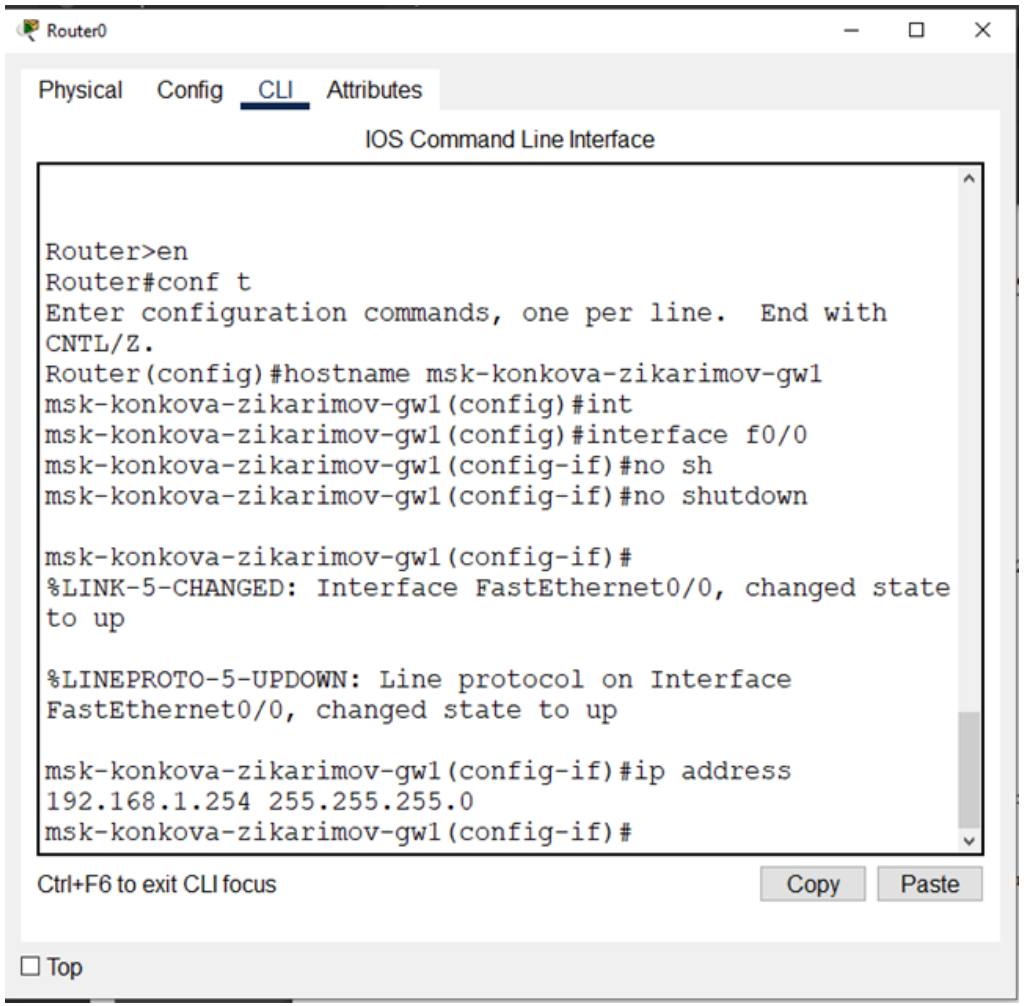
Студент: Каримов Зуфар

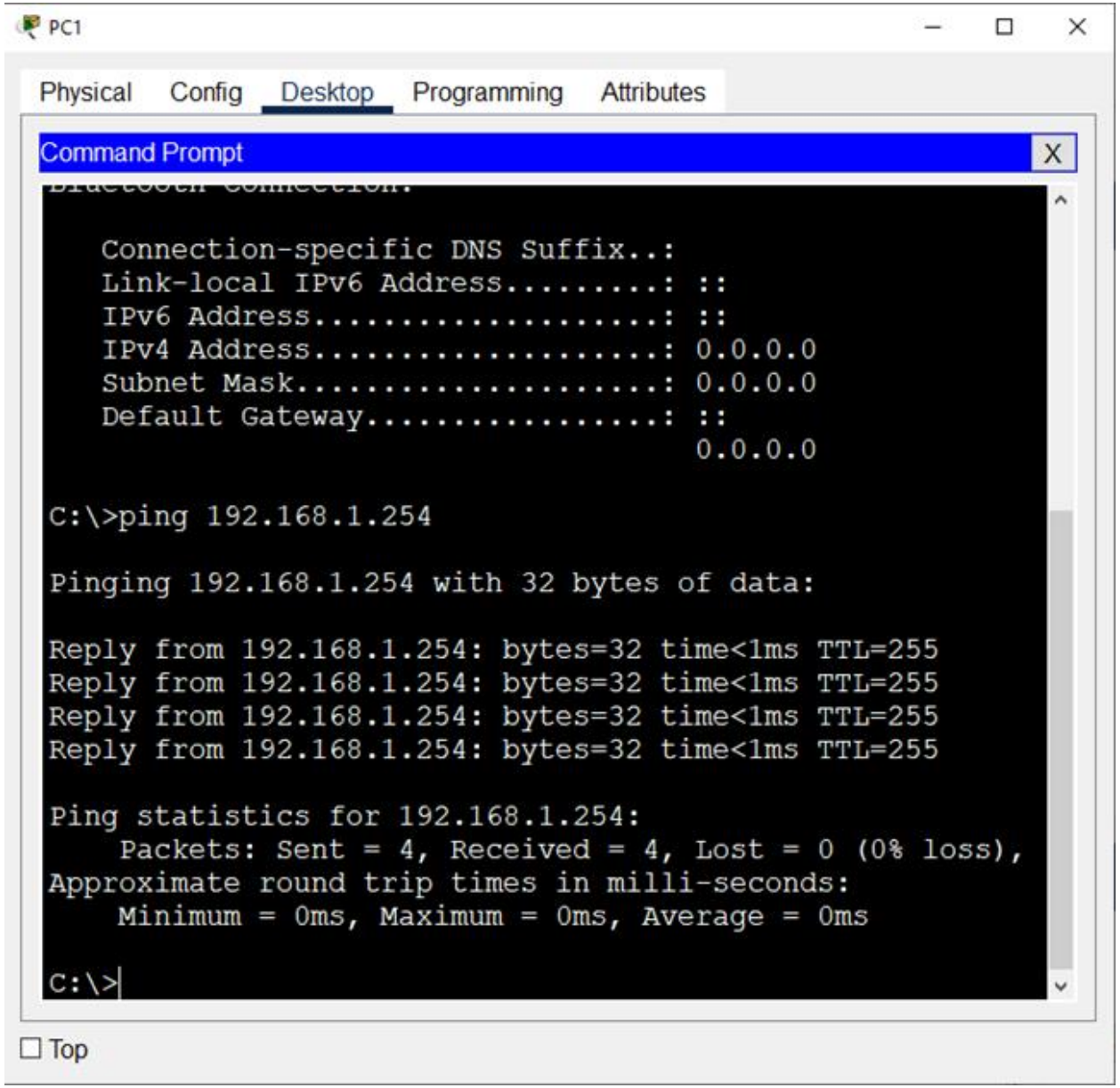
Группа: НПИ-01-18

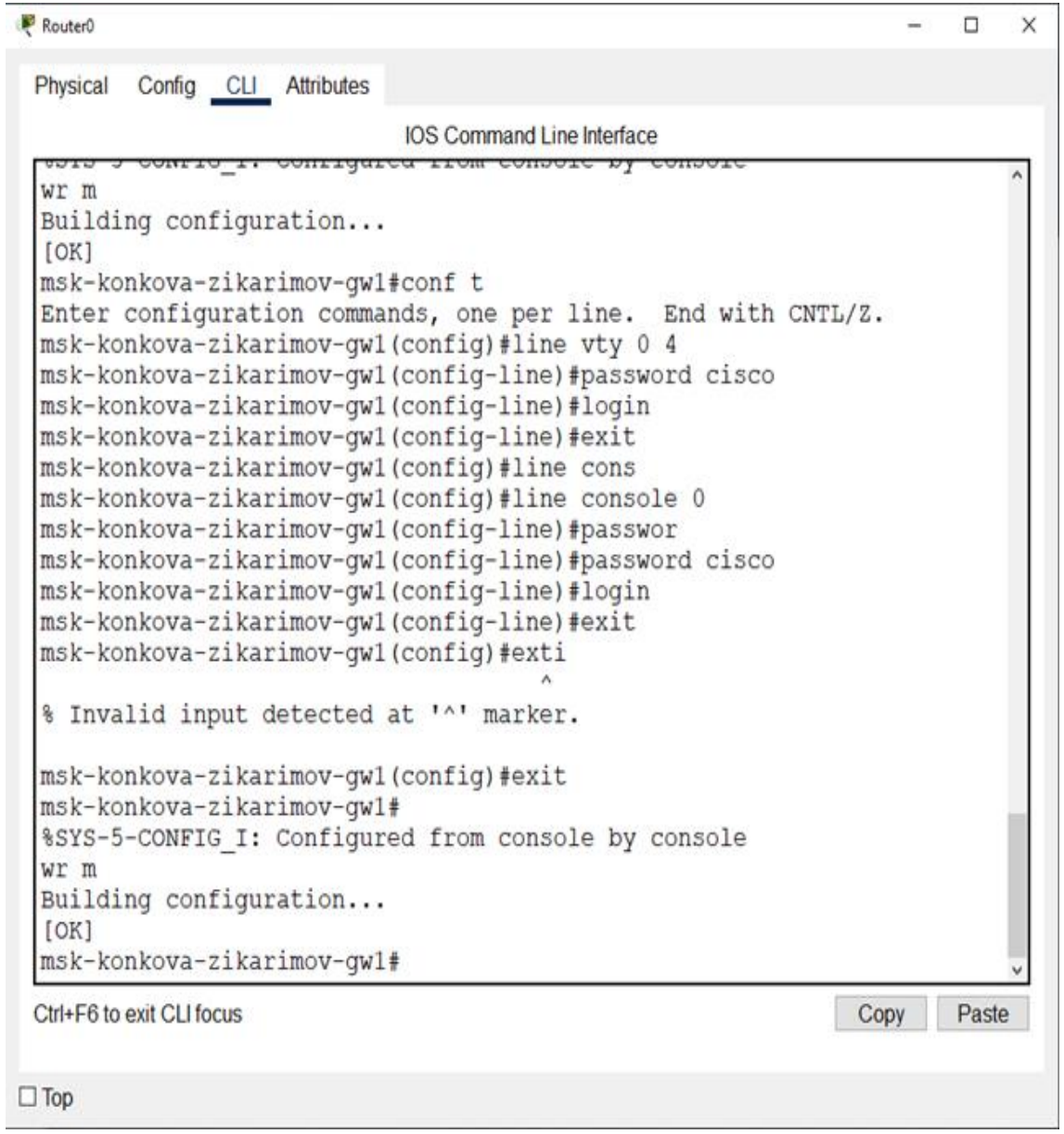

Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical
Physical
x: 465, y: 150
[Root]
01:18:00
Fa0
Fa0/1
PC-PT
PC0
2960-24TT
Switch0
PC-PT
PC1
2811
Router0
Time: 00:02:32
Realtime
Simulation
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Copper Cross-Over

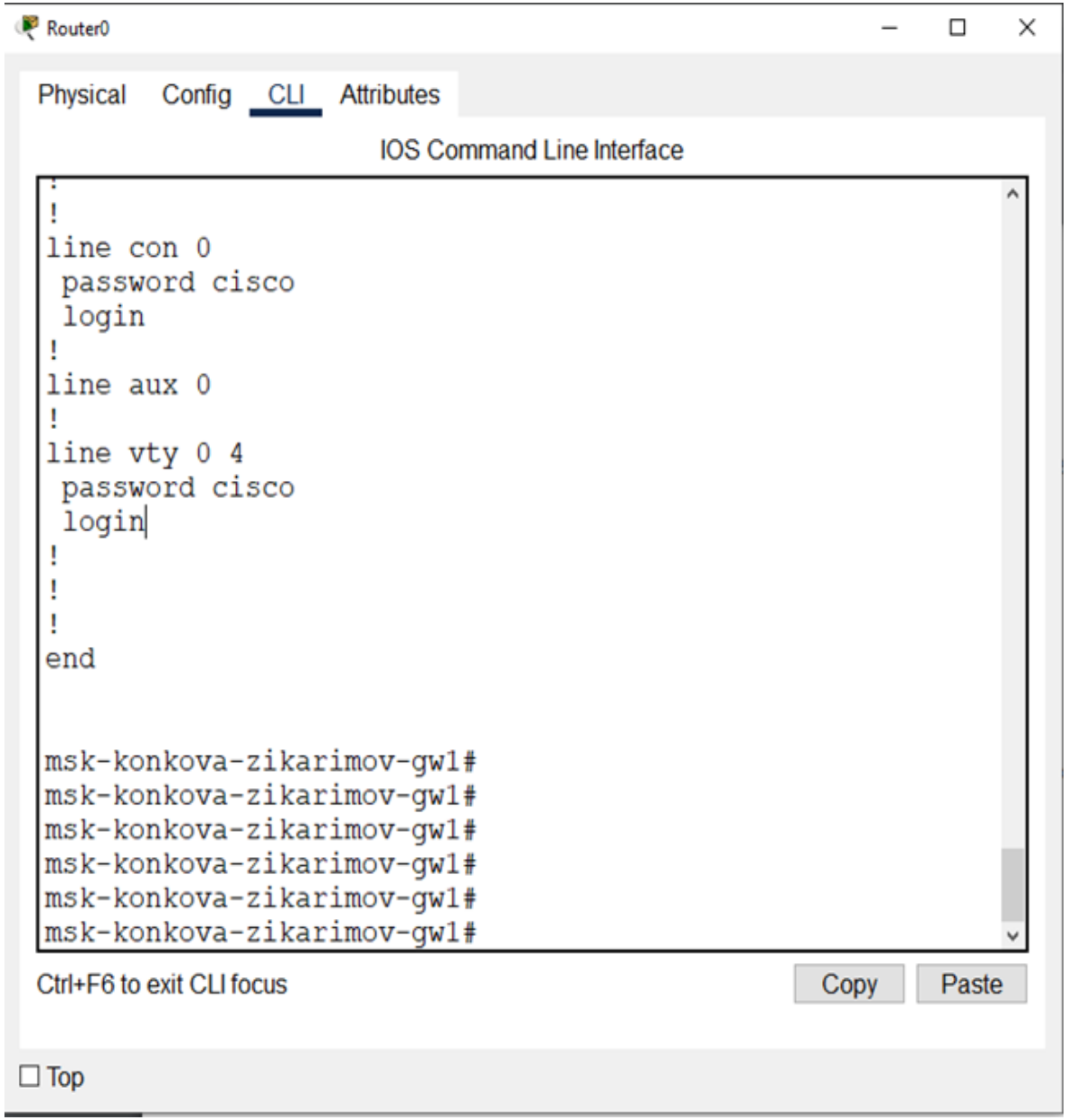
Конфигурация маршрутизатора

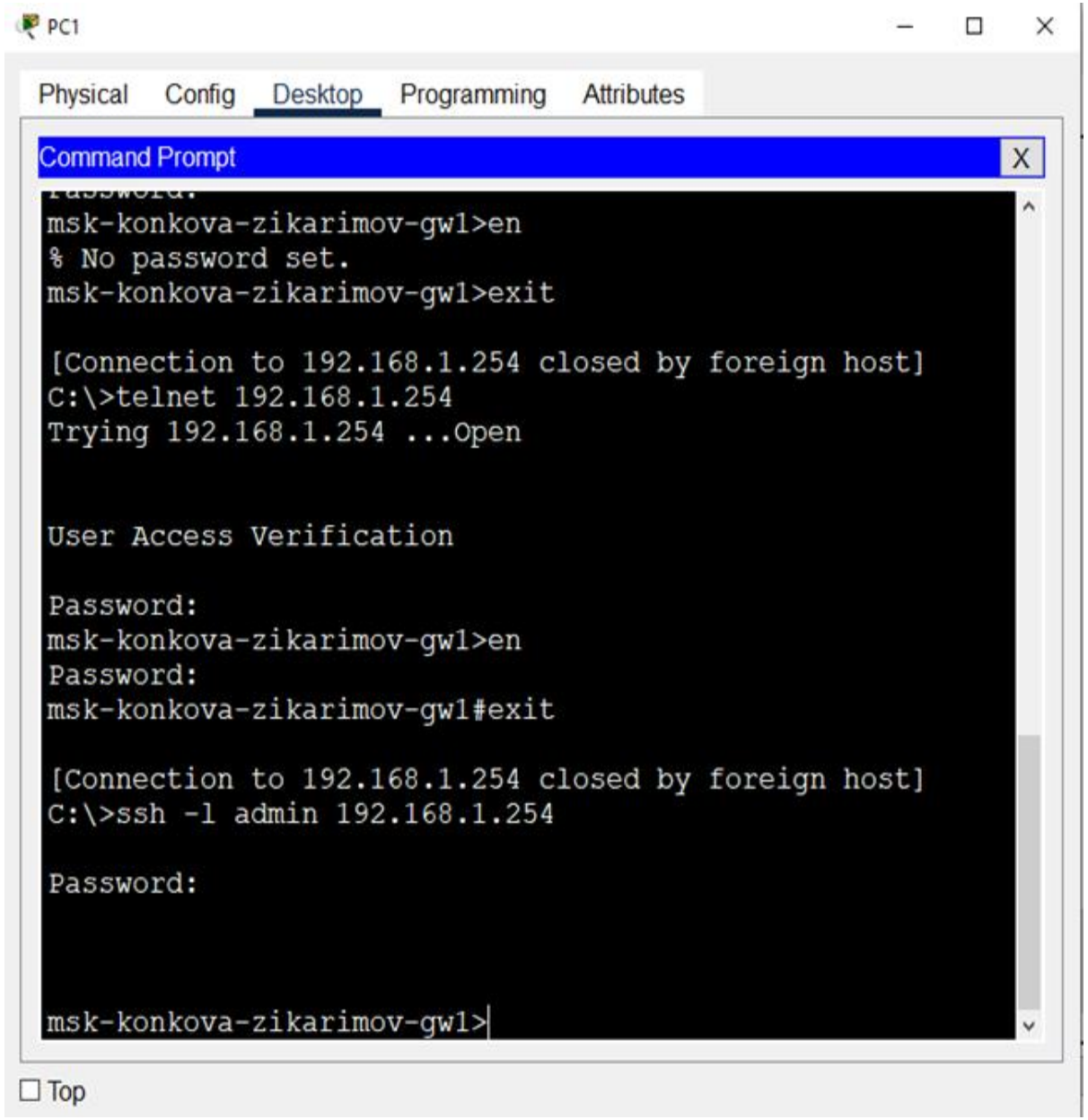


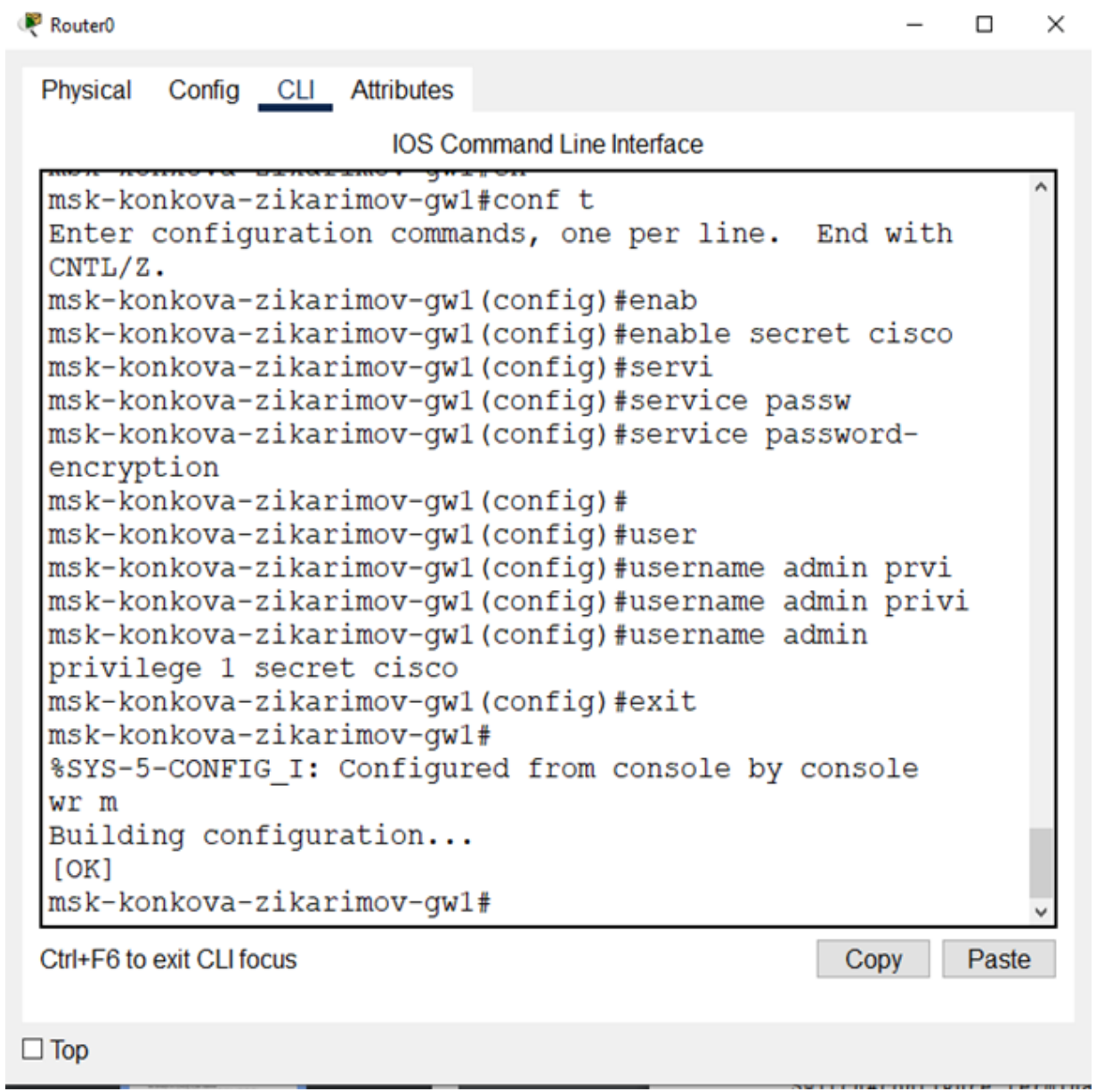


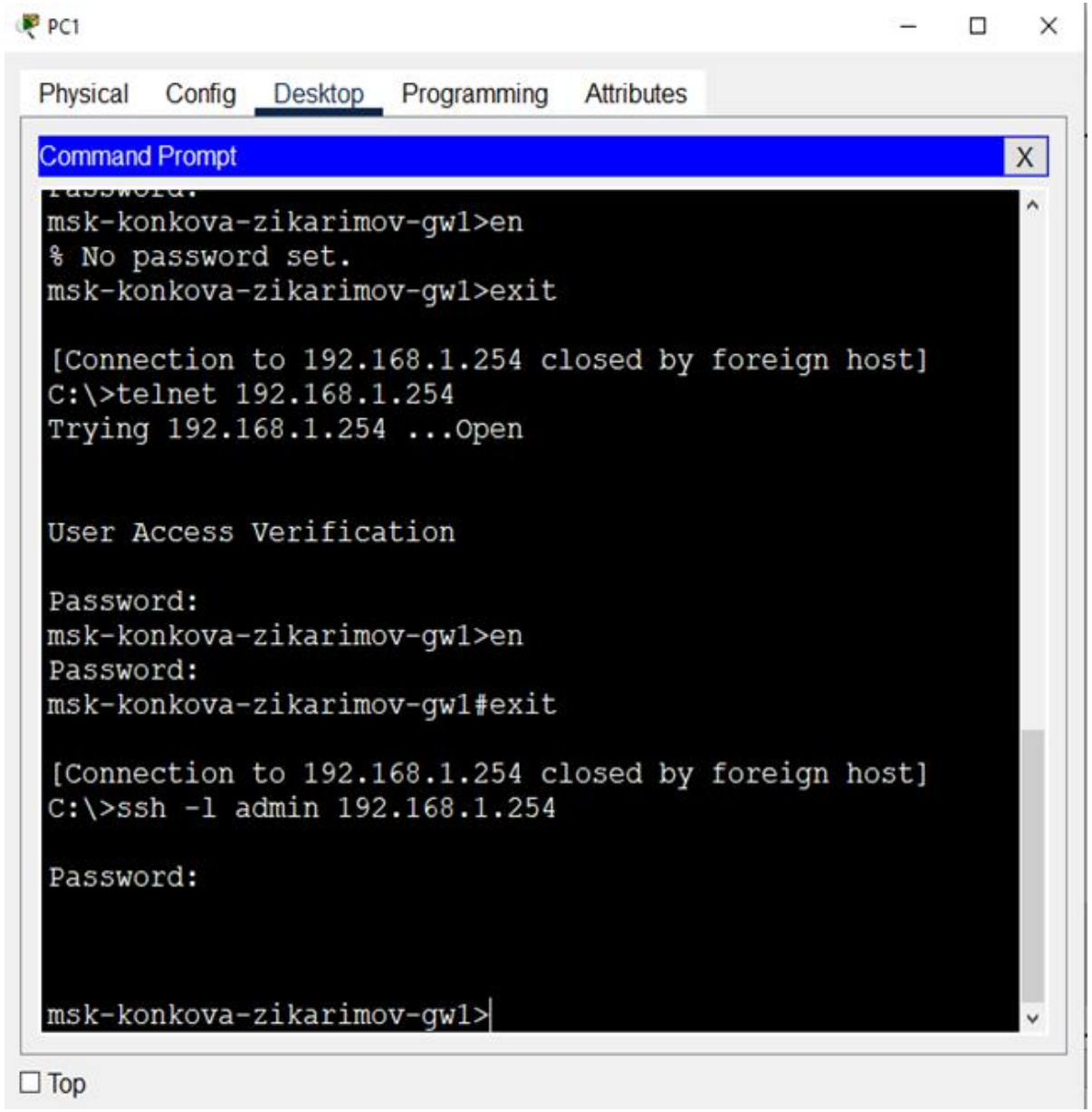

PC1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
Connection-specific DNS Suffix..:
Link-local IPv6 Address.....: ::
IPv6 Address.....: ::
IPv4 Address.....: 0.0.0.0
Subnet Mask.....: 0.0.0.0
Default Gateway.....: ::
0.0.0.0
C:\>ping 192.168.1.254
Pinging 192.168.1.254 with 32 bytes of 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 = 0ms, Maximum = 0ms, Average = 0ms
C:\>
Top

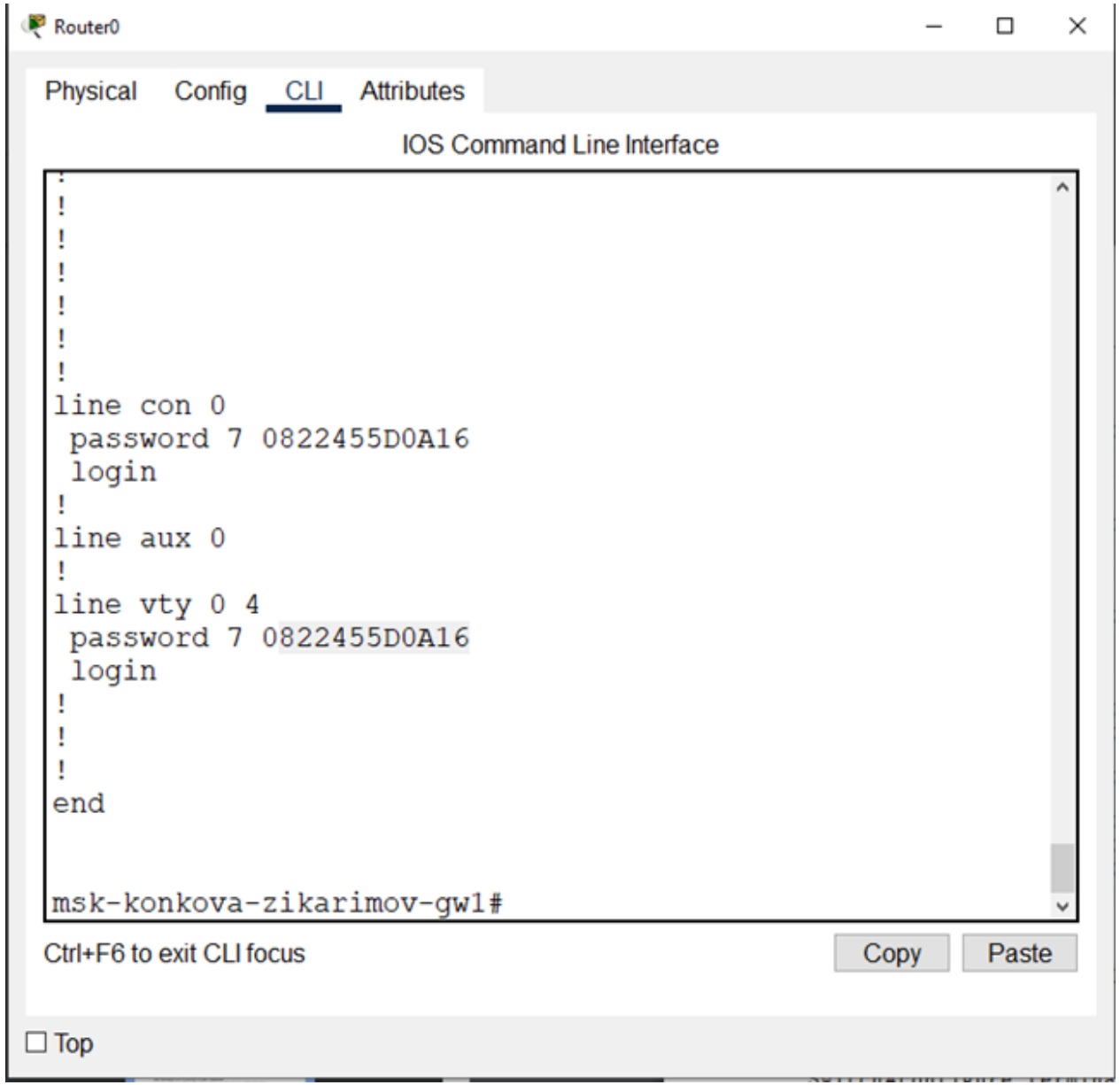

Router0
Physical
Config
CLI
Attributes
IOS Command Line Interface
wr m
Building configuration...
[OK]
msk-konkova-zikarimov-gw1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
msk-konkova-zikarimov-gw1(config)#line vty 0 4
msk-konkova-zikarimov-gw1(config-line)#password cisco
msk-konkova-zikarimov-gw1(config-line)#login
msk-konkova-zikarimov-gw1(config-line)#exit
msk-konkova-zikarimov-gw1(config)#line cons
msk-konkova-zikarimov-gw1(config)#line console 0
msk-konkova-zikarimov-gw1(config-line)#passwor
msk-konkova-zikarimov-gw1(config-line)#password cisco
msk-konkova-zikarimov-gw1(config-line)#login
msk-konkova-zikarimov-gw1(config-line)#exit
msk-konkova-zikarimov-gw1(config)#exti
^
% Invalid input detected at '^' marker.
msk-konkova-zikarimov-gw1(config)#exit
msk-konkova-zikarimov-gw1#
%SYS-5-CONFIG_I: Configured from console by console
wr m
Building configuration...
[OK]
msk-konkova-zikarimov-gw1#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

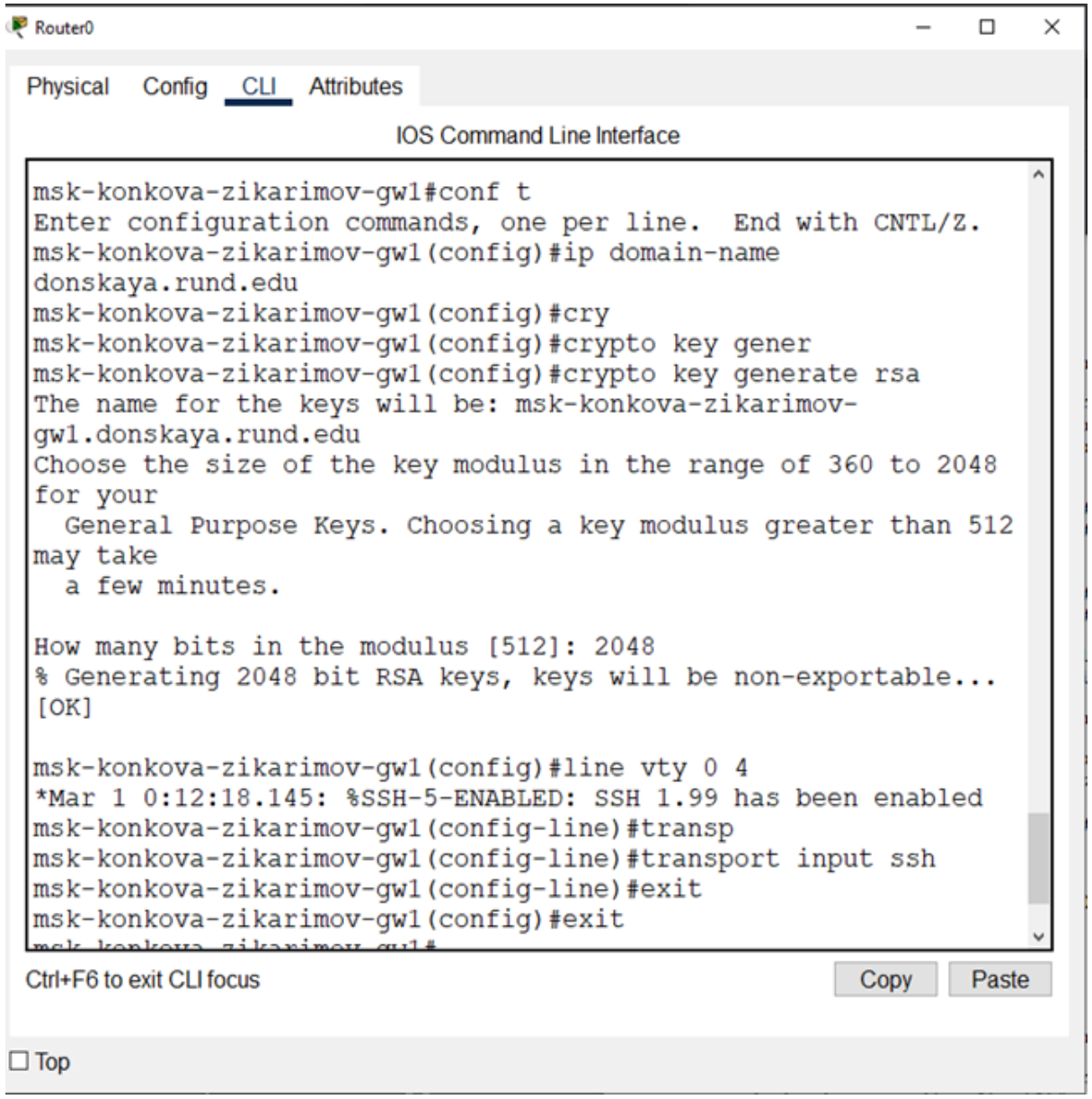

Router0
Physical
Config
CLI
Attributes
IOS Command Line Interface
!
line con 0
password cisco
login
!
line aux 0
!
line vty 0 4
password cisco
login
!
!
!
end
msk-konkova-zikarimov-gw1#
msk-konkova-zikarimov-gw1#
msk-konkova-zikarimov-gw1#
msk-konkova-zikarimov-gw1#
msk-konkova-zikarimov-gw1#
msk-konkova-zikarimov-gw1#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

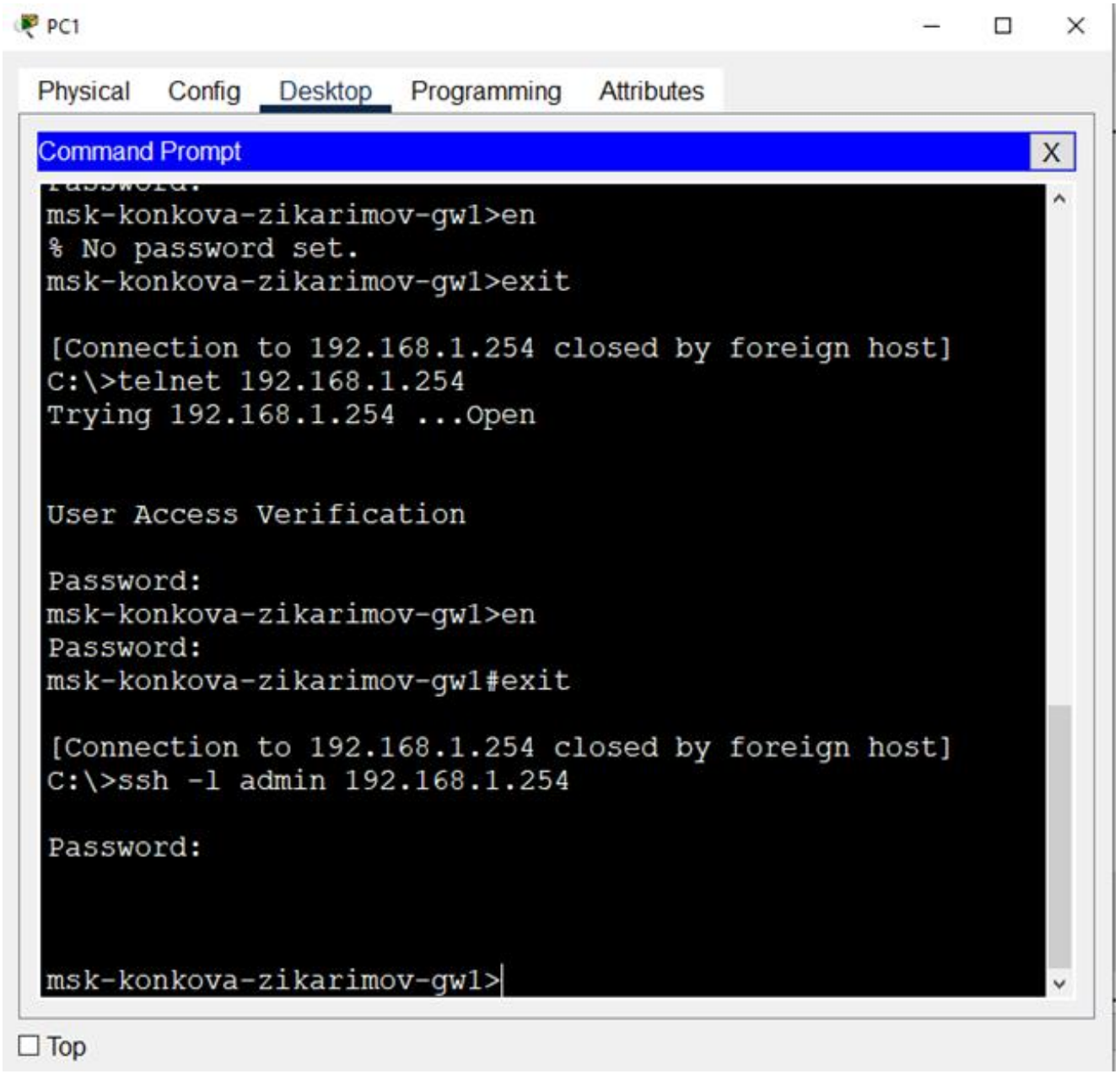

PC1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
msk-konkova-zikarimov-gw1>en
% No password set.
msk-konkova-zikarimov-gw1>exit
[Connection to 192.168.1.254 closed by foreign host]
C:\>telnet 192.168.1.254
Trying 192.168.1.254 ...Open
User Access Verification
Password:
msk-konkova-zikarimov-gw1>en
Password:
msk-konkova-zikarimov-gw1#exit
[Connection to 192.168.1.254 closed by foreign host]
C:\>ssh -l admin 192.168.1.254
Password:
msk-konkova-zikarimov-gw1>
Top

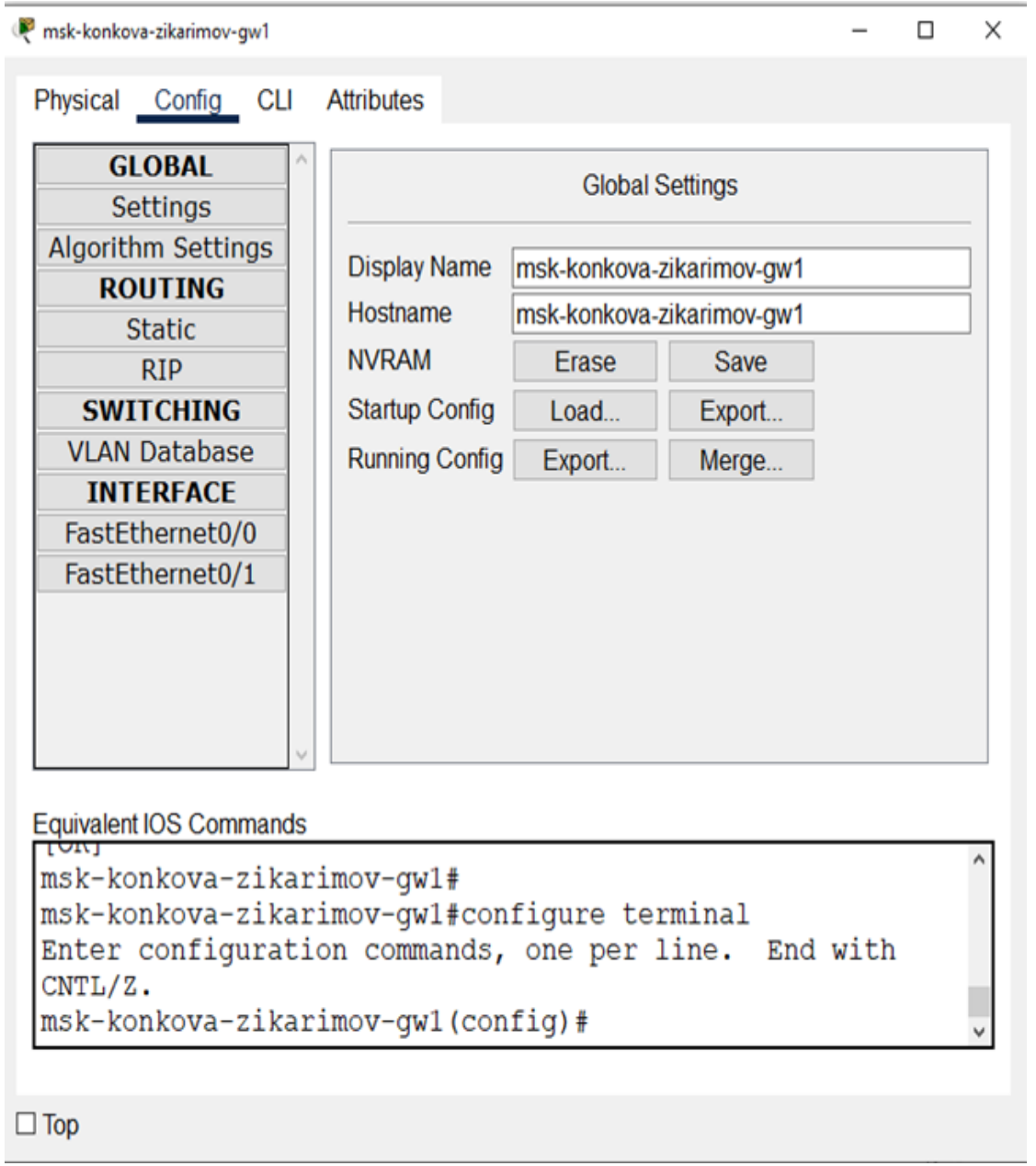

Router0
Physical
Config
CLI
Attributes
IOS Command Line Interface
msk-konkova-zikarimov-gw1#conf t
Enter configuration commands, one per line. End with
CNTL/Z.
msk-konkova-zikarimov-gw1(config)#enab
msk-konkova-zikarimov-gw1(config)#enable secret cisco
msk-konkova-zikarimov-gw1(config)#servi
msk-konkova-zikarimov-gw1(config)#service passw
msk-konkova-zikarimov-gw1(config)#service password-
encryption
msk-konkova-zikarimov-gw1(config)#
msk-konkova-zikarimov-gw1(config)#user
msk-konkova-zikarimov-gw1(config)#username admin prvi
msk-konkova-zikarimov-gw1(config)#username admin privi
msk-konkova-zikarimov-gw1(config)#username admin
privilege 1 secret cisco
msk-konkova-zikarimov-gw1(config)#exit
msk-konkova-zikarimov-gw1#
%SYS-5-CONFIG_I: Configured from console by console
wr m
Building configuration...
[OK]
msk-konkova-zikarimov-gw1#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top


PC1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
msk-konkova-zikarimov-gw1>en
% No password set.
msk-konkova-zikarimov-gw1>exit
[Connection to 192.168.1.254 closed by foreign host]
C:\>telnet 192.168.1.254
Trying 192.168.1.254 ...Open
User Access Verification
Password:
msk-konkova-zikarimov-gw1>en
Password:
msk-konkova-zikarimov-gw1#exit
[Connection to 192.168.1.254 closed by foreign host]
C:\>ssh -l admin 192.168.1.254
Password:
msk-konkova-zikarimov-gw1>
Top

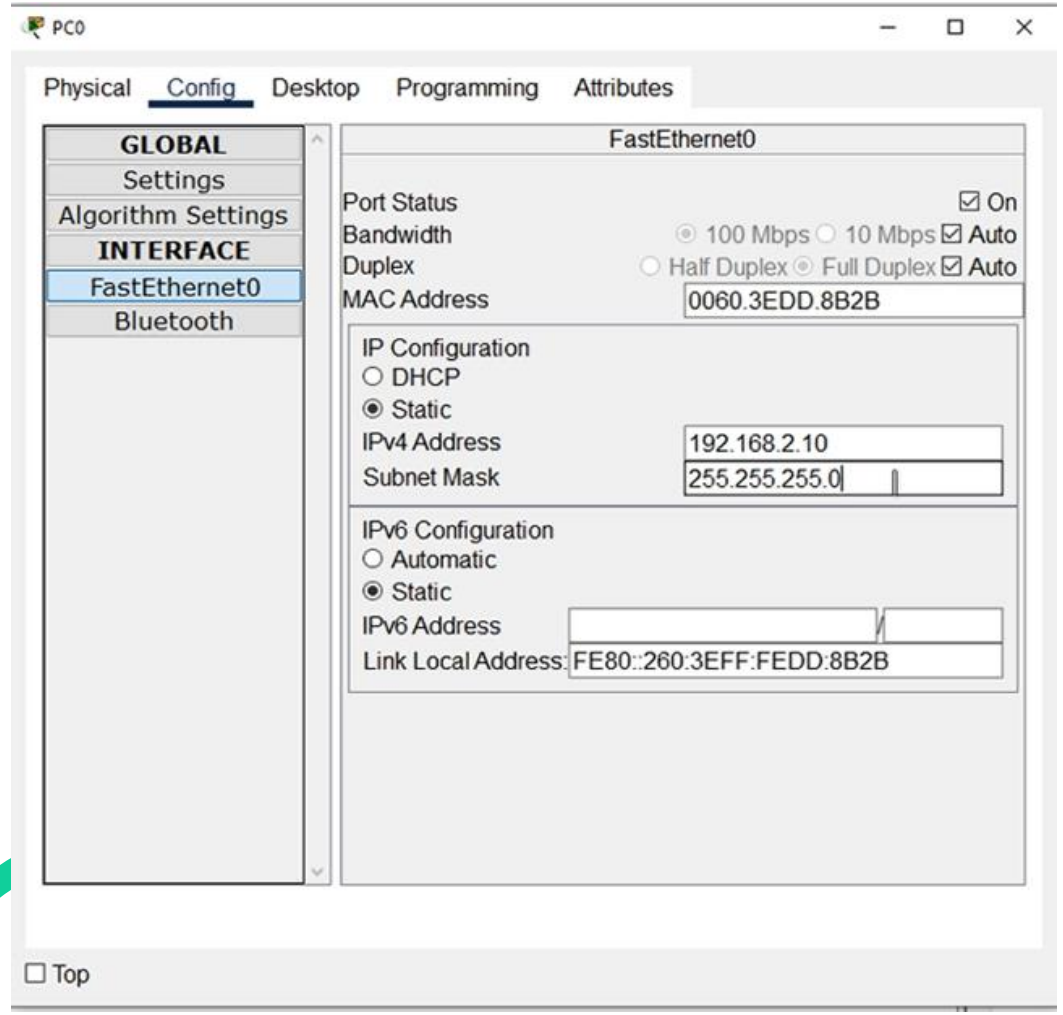

Router0
Physical
Config
CLI
Attributes
IOS Command Line Interface
!
!
!
!
!
!
line con 0
password 7 0822455D0A16
login
!
line aux 0
!
line vty 0 4
password 7 0822455D0A16
login
!
!
!
end
msk-konkova-zikarimov-gw1#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

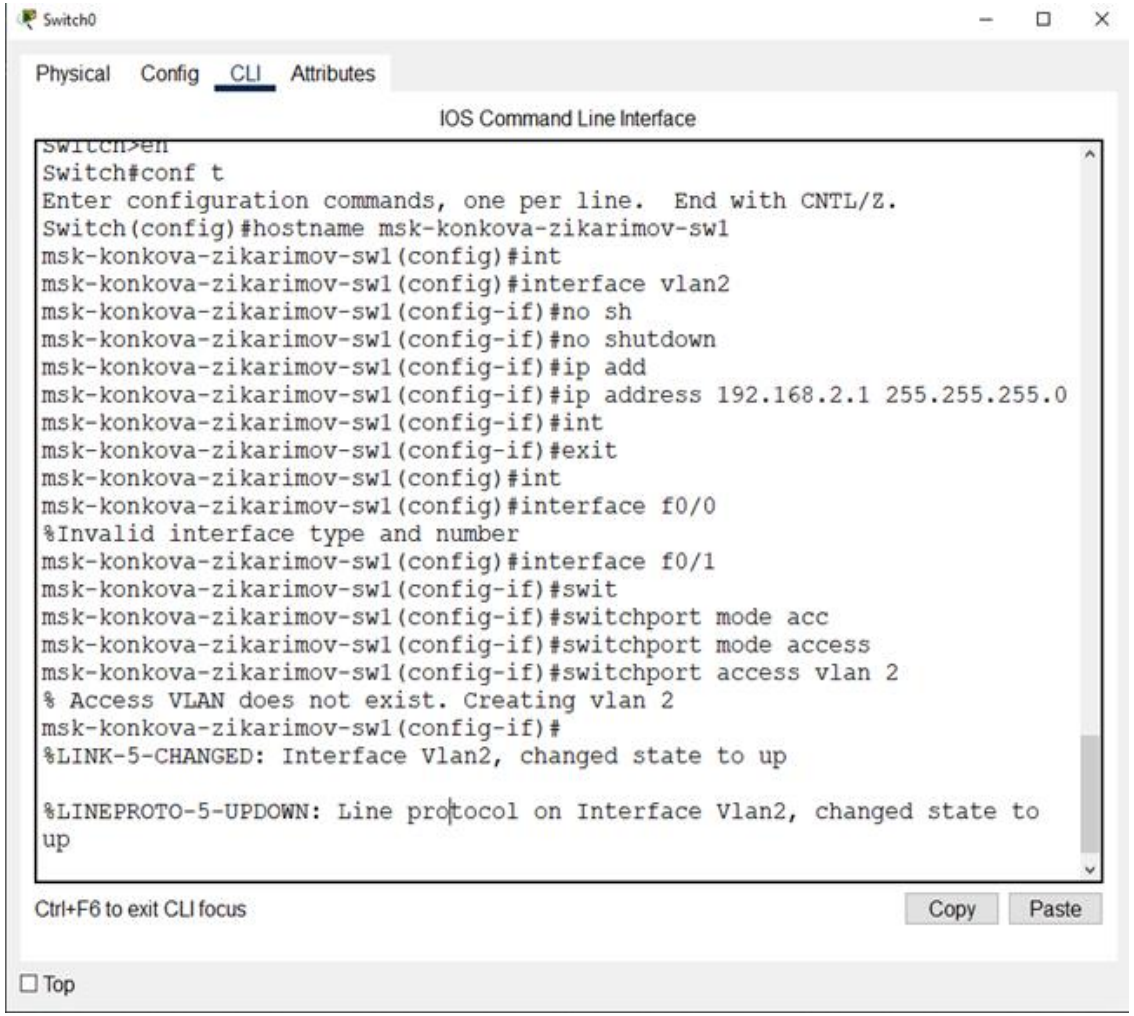

Router0
Physical
Config
CLI
Attributes
IOS Command Line Interface
msk-konkova-zikarimov-gw1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
msk-konkova-zikarimov-gw1(config)#ip domain-name
donskaya.rund.edu
msk-konkova-zikarimov-gw1(config)#cry
msk-konkova-zikarimov-gw1(config)#crypto key gener
msk-konkova-zikarimov-gw1(config)#crypto key generate rsa
The name for the keys will be: msk-konkova-zikarimov-
gw1.donskaya.rund.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]: 2048
% Generating 2048 bit RSA keys, keys will be non-exportable...
[OK]
msk-konkova-zikarimov-gw1(config)#line vty 0 4
*Mar 1 0:12:18.145: %SSH-5-ENABLED: SSH 1.99 has been enabled
msk-konkova-zikarimov-gw1(config-line)#transp
msk-konkova-zikarimov-gw1(config-line)#transport input ssh
msk-konkova-zikarimov-gw1(config-line)#exit
msk-konkova-zikarimov-gw1(config)#exit
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

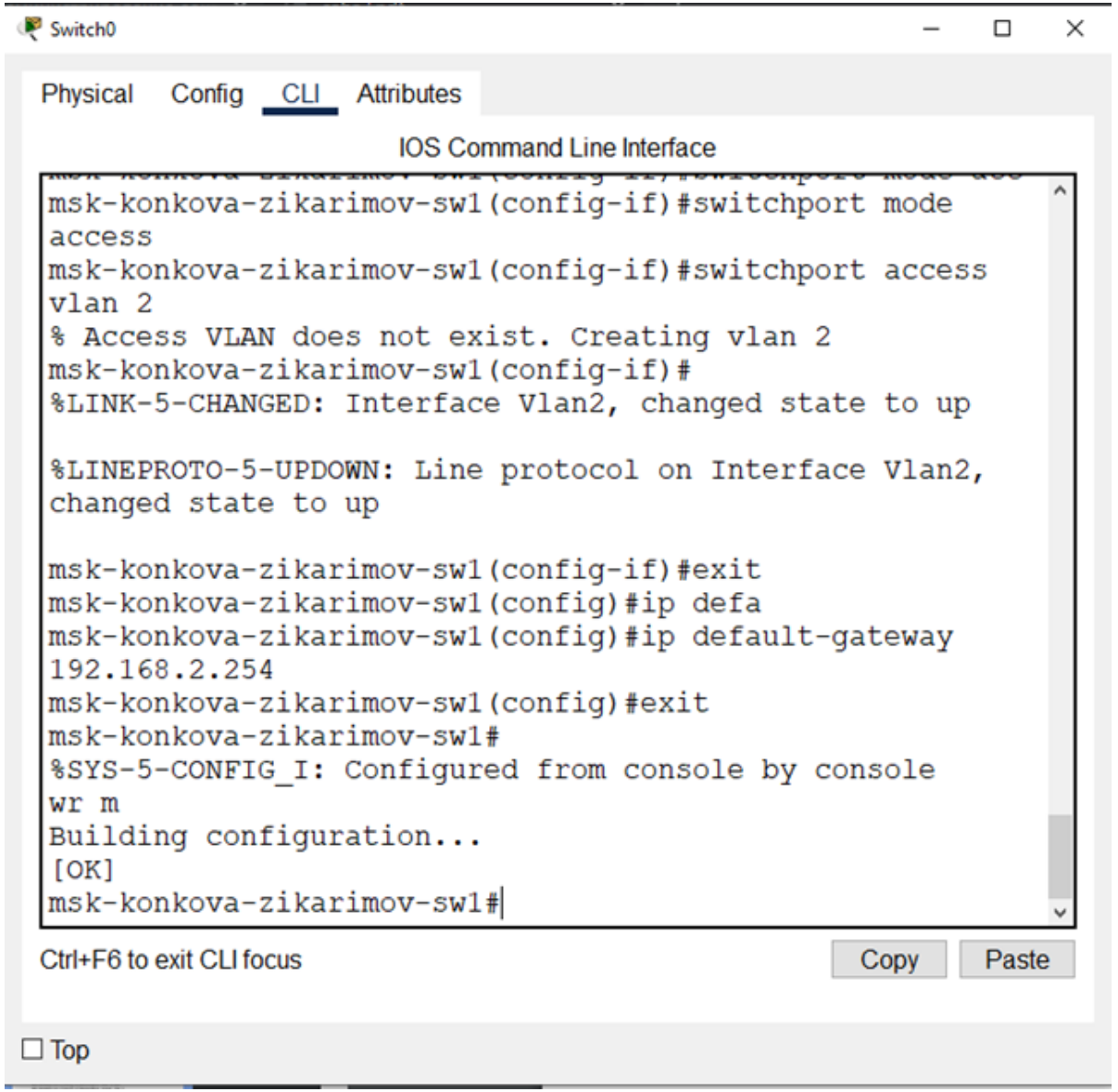

PC1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
msk-konkova-zikarimov-gw1>en
% No password set.
msk-konkova-zikarimov-gw1>exit
[Connection to 192.168.1.254 closed by foreign host]
C:\>telnet 192.168.1.254
Trying 192.168.1.254 ...Open
User Access Verification
Password:
msk-konkova-zikarimov-gw1>en
Password:
msk-konkova-zikarimov-gw1#exit
[Connection to 192.168.1.254 closed by foreign host]
C:\>ssh -l admin 192.168.1.254
Password:
msk-konkova-zikarimov-gw1>
Top

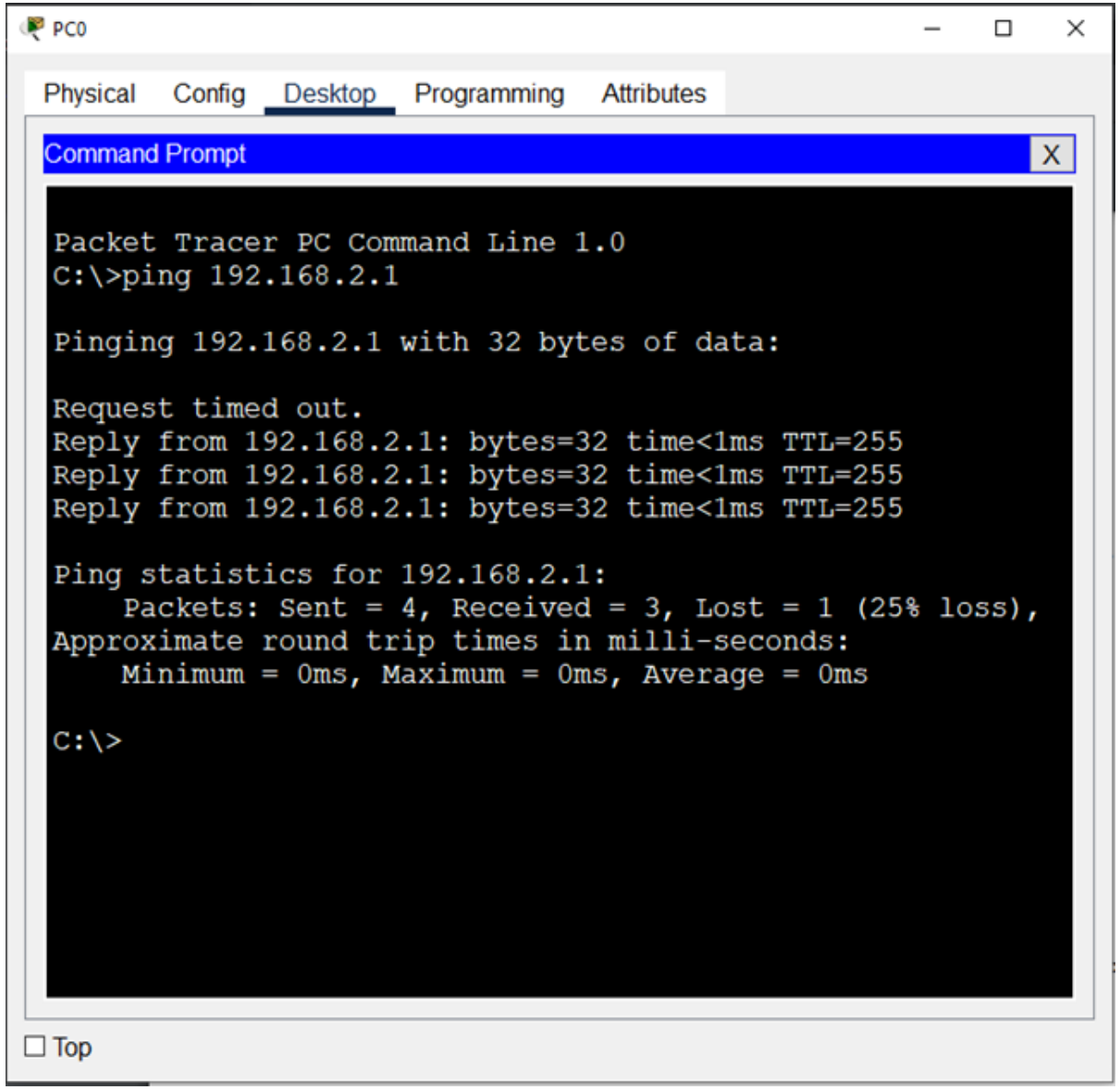

msk-konkova-zikarimov-gw1
Physical
Config
CLI
Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
SWITCHING
VLAN Database
INTERFACE
FastEthernet0/0
FastEthernet0/1
Global Settings
Display Name
msk-konkova-zikarimov-gw1
Hostname
msk-konkova-zikarimov-gw1
NVRAM
Erase
Save
Startup Config
Load...
Export...
Running Config
Export...
Merge...
Equivalent IOS Commands
msk-konkova-zikarimov-gw1#
msk-konkova-zikarimov-gw1#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
msk-konkova-zikarimov-gw1(config)#
Top

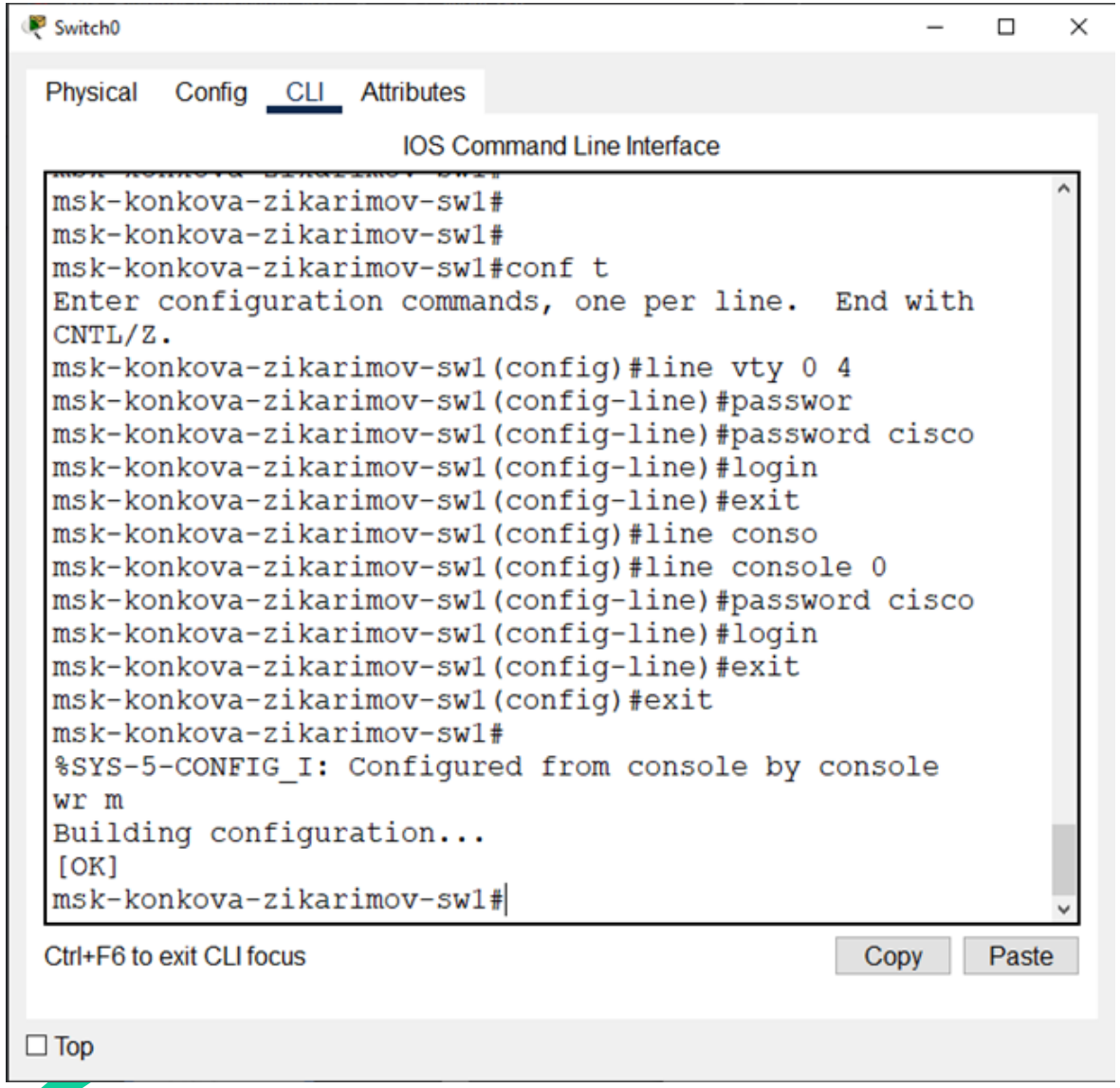
Конфигурация коммутатора

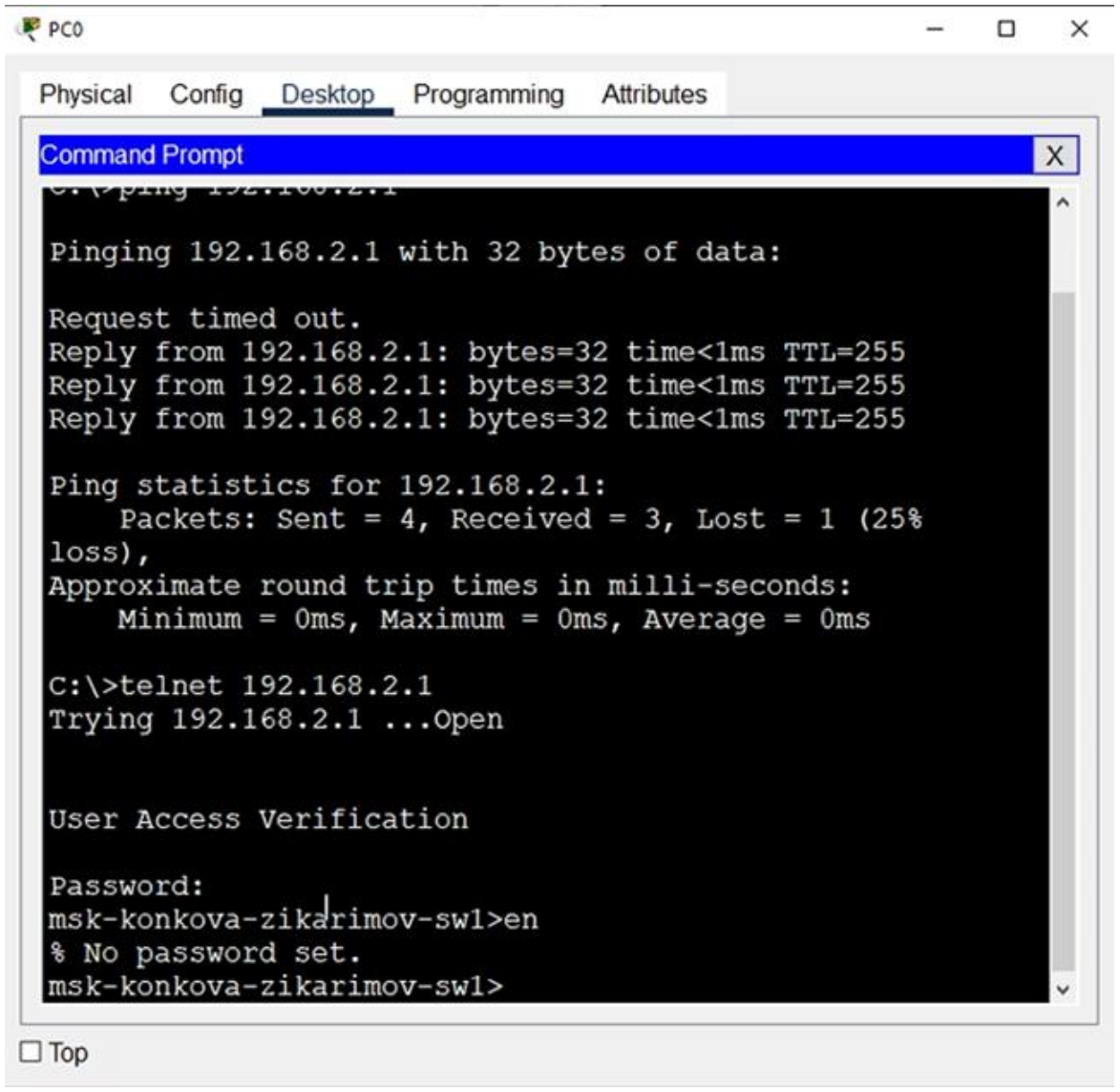


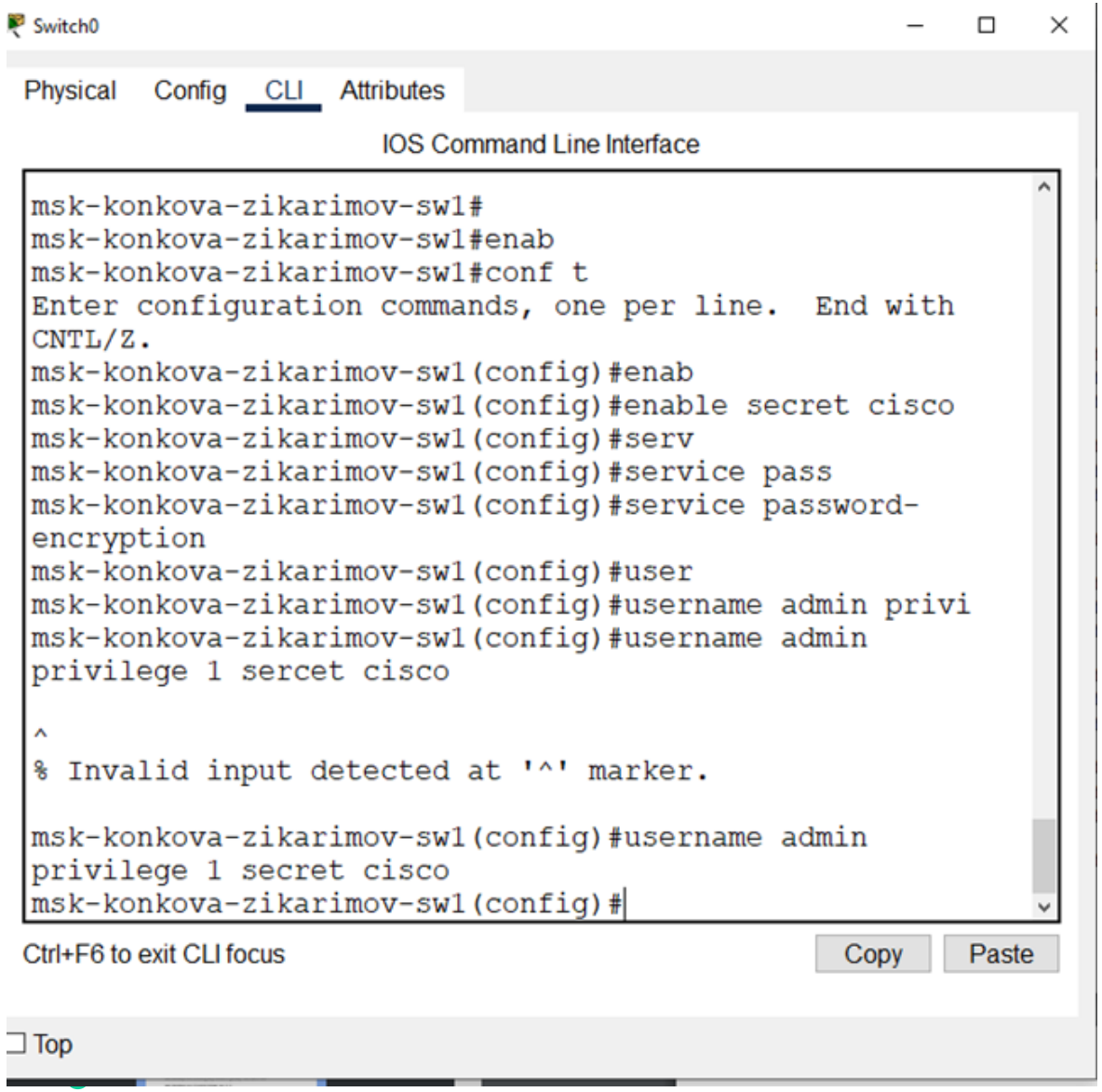


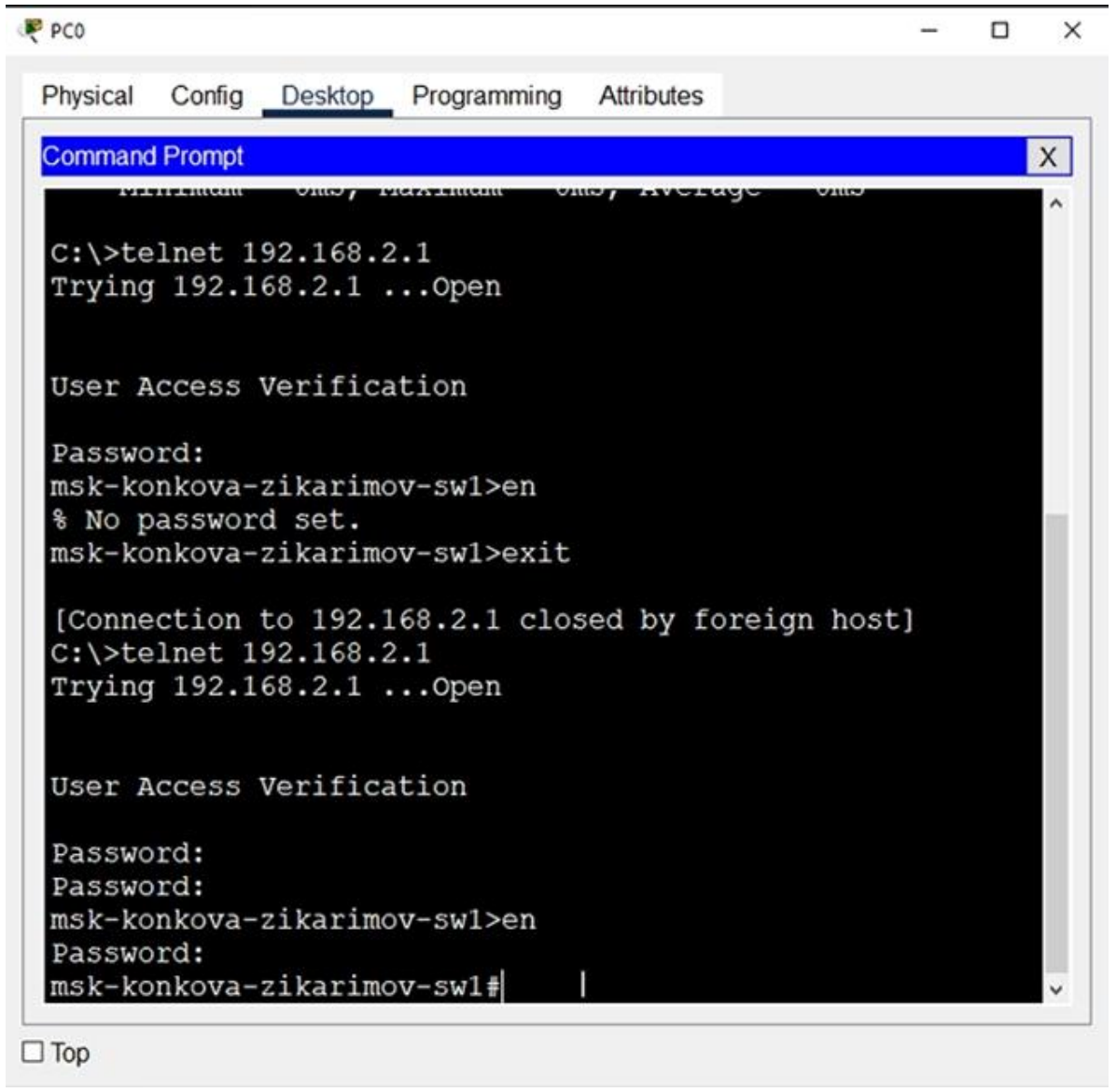

Switch0
Physical
Config
CLI
Attributes
IOS Command Line Interface
msk-konkova-zikarimov-sw1(config-if)#switchport mode
access
msk-konkova-zikarimov-sw1(config-if)#switchport access
vlan 2
% Access VLAN does not exist. Creating vlan 2
msk-konkova-zikarimov-sw1(config-if)#
%LINK-5-CHANGED: Interface Vlan2, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan2,
changed state to up
msk-konkova-zikarimov-sw1(config-if)#exit
msk-konkova-zikarimov-sw1(config)#ip defa
msk-konkova-zikarimov-sw1(config)#ip default-gateway
192.168.2.254
msk-konkova-zikarimov-sw1(config)#exit
msk-konkova-zikarimov-sw1#
%SYS-5-CONFIG_I: Configured from console by console
wr m
Building configuration...
[OK]
msk-konkova-zikarimov-sw1#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

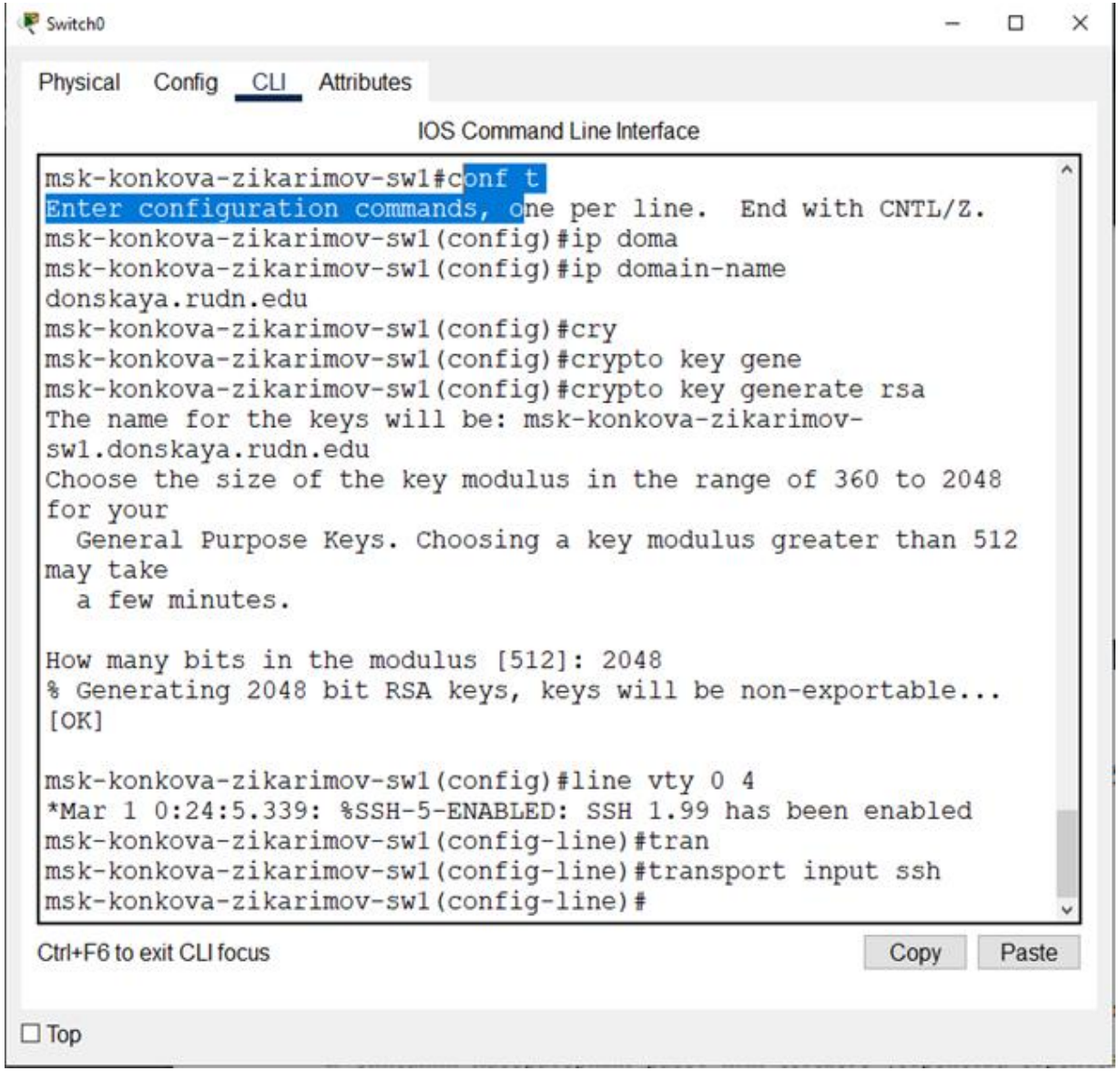

PC0
Physical
Config
Desktop
Programming
Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.1
Pinging 192.168.2.1 with 32 bytes of data:
Request timed out.
Reply from 192.168.2.1: bytes=32 time<1ms TTL=255
Reply from 192.168.2.1: bytes=32 time<1ms TTL=255
Reply from 192.168.2.1: bytes=32 time<1ms 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 = 0ms, Maximum = 0ms, Average = 0ms
C:\>
Top

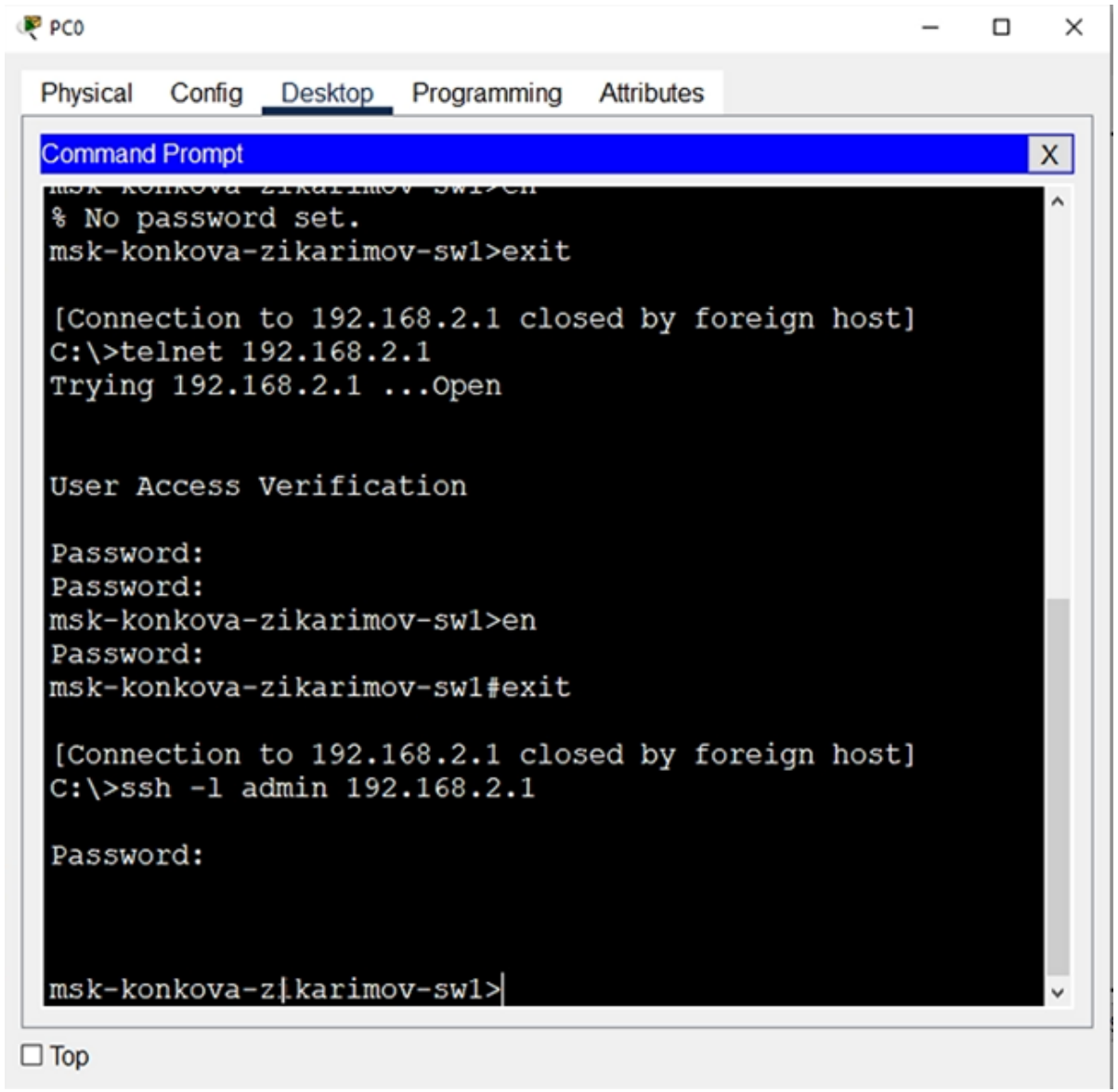

Switch0
Physical
Config
CLI
Attributes
IOS Command Line Interface
msk-konkova-zikarimov-sw1#
msk-konkova-zikarimov-sw1#
msk-konkova-zikarimov-sw1#conf t
Enter configuration commands, one per line. End with
CNTL/Z.
msk-konkova-zikarimov-sw1(config)#line vty 0 4
msk-konkova-zikarimov-sw1(config-line)#passwor
msk-konkova-zikarimov-sw1(config-line)#password cisco
msk-konkova-zikarimov-sw1(config-line)#login
msk-konkova-zikarimov-sw1(config-line)#exit
msk-konkova-zikarimov-sw1(config)#line conso
msk-konkova-zikarimov-sw1(config)#line console 0
msk-konkova-zikarimov-sw1(config-line)#password cisco
msk-konkova-zikarimov-sw1(config-line)#login
msk-konkova-zikarimov-sw1(config-line)#exit
msk-konkova-zikarimov-sw1(config)#exit
msk-konkova-zikarimov-sw1#
%SYS-5-CONFIG_I: Configured from console by console
wr m
Building configuration...
[OK]
msk-konkova-zikarimov-sw1#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top


PC0
Physical
Config
Desktop
Programming
Attributes
Command Prompt
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
Reply from 192.168.2.1: bytes=32 time<1ms 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 = 0ms, Maximum = 0ms, Average = 0ms
C:\>telnet 192.168.2.1
Trying 192.168.2.1 ...Open
User Access Verification
Password:
msk-konkova-zikarimov-sw1>en
% No password set.
msk-konkova-zikarimov-sw1>
Top


Switch0
Physical
Config
CLI
Attributes
IOS Command Line Interface
msk-konkova-zikarimov-sw1#
msk-konkova-zikarimov-sw1#enab
msk-konkova-zikarimov-sw1#conf t
Enter configuration commands, one per line. End with
CNTL/Z.
msk-konkova-zikarimov-sw1(config)#enab
msk-konkova-zikarimov-sw1(config)#enable secret cisco
msk-konkova-zikarimov-sw1(config)#serv
msk-konkova-zikarimov-sw1(config)#service pass
msk-konkova-zikarimov-sw1(config)#service password-
encryption
msk-konkova-zikarimov-sw1(config)#user
msk-konkova-zikarimov-sw1(config)#username admin privi
msk-konkova-zikarimov-sw1(config)#username admin
privilege 1 sercet cisco
^
% Invalid input detected at '^' marker.
msk-konkova-zikarimov-sw1(config)#username admin
privilege 1 secret cisco
msk-konkova-zikarimov-sw1(config)#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top


PC0
Physical
Config
Desktop
Programming
Attributes
Command Prompt
C:\>telnet 192.168.2.1
Trying 192.168.2.1 ...Open
User Access Verification
Password:
msk-konkova-zikarimov-sw1>en
% No password set.
msk-konkova-zikarimov-sw1>exit
[Connection to 192.168.2.1 closed by foreign host]
C:\>telnet 192.168.2.1
Trying 192.168.2.1 ...Open
User Access Verification
Password:
Password:
msk-konkova-zikarimov-sw1>en
Password:
msk-konkova-zikarimov-sw1#
Top


Switch0
Physical
Config
CLI
Attributes
IOS Command Line Interface
msk-konkova-zikarimov-sw1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
msk-konkova-zikarimov-sw1(config)#ip doma
msk-konkova-zikarimov-sw1(config)#ip domain-name
donskaya.rudn.edu
msk-konkova-zikarimov-sw1(config)#cry
msk-konkova-zikarimov-sw1(config)#crypto key gene
msk-konkova-zikarimov-sw1(config)#crypto key generate rsa
The name for the keys will be: msk-konkova-zikarimov-
sw1.donskaya.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]: 2048
% Generating 2048 bit RSA keys, keys will be non-exportable...
[OK]
msk-konkova-zikarimov-sw1(config)#line vty 0 4
*Mar 1 0:24:5.339: %SSH-5-ENABLED: SSH 1.99 has been enabled
msk-konkova-zikarimov-sw1(config-line)#tran
msk-konkova-zikarimov-sw1(config-line)#transport input ssh
msk-konkova-zikarimov-sw1(config-line)#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top


PC0
Physical
Config
Desktop
Programming
Attributes
Command Prompt
% No password set.
msk-konkova-zikarimov-sw1>exit
[Connection to 192.168.2.1 closed by foreign host]
C:\>telnet 192.168.2.1
Trying 192.168.2.1 ...Open
User Access Verification
Password:
Password:
msk-konkova-zikarimov-sw1>en
Password:
msk-konkova-zikarimov-sw1#exit
[Connection to 192.168.2.1 closed by foreign host]
C:\>ssh -l admin 192.168.2.1
Password:
msk-konkova-zikarimov-sw1>
Top