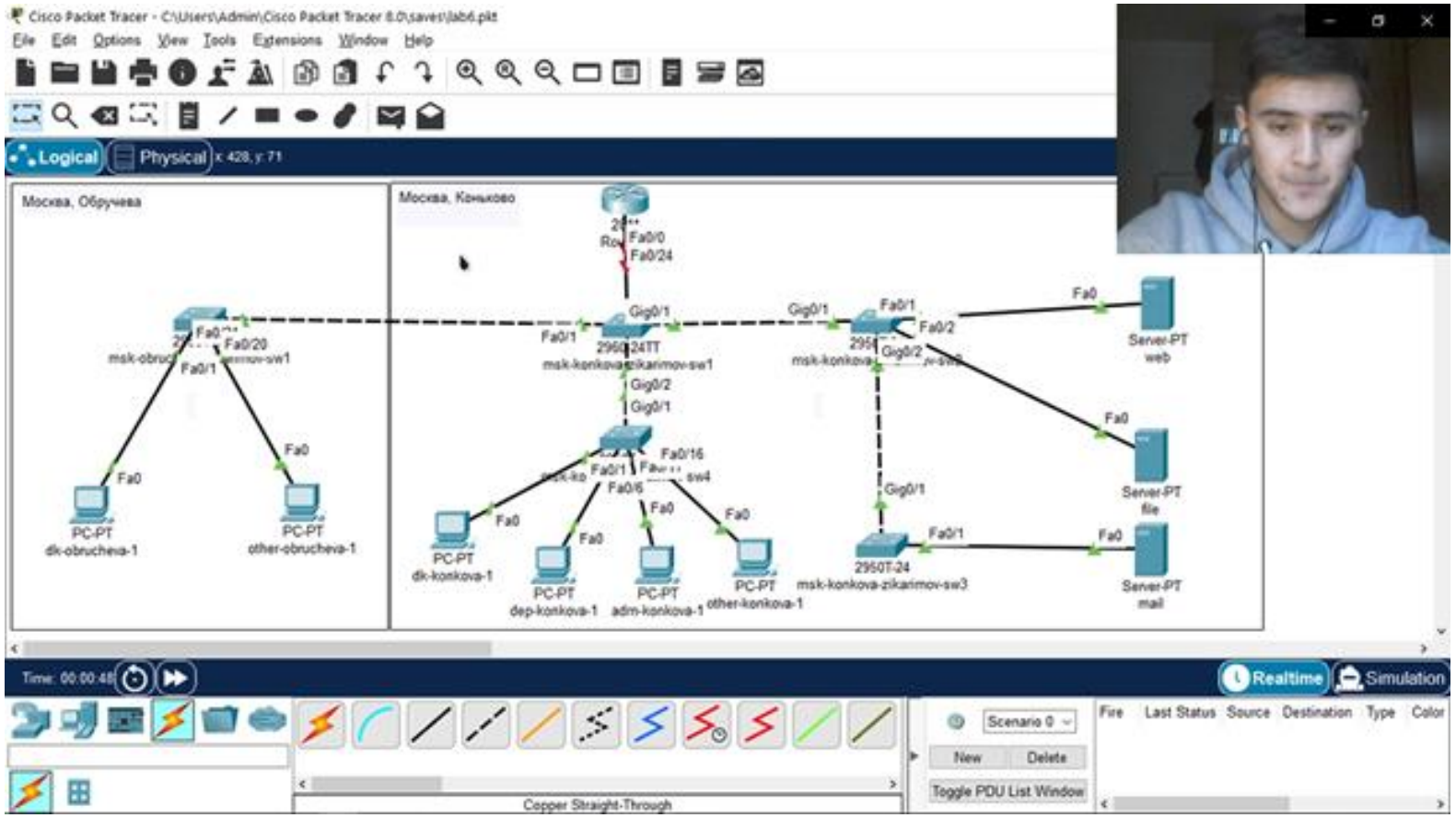
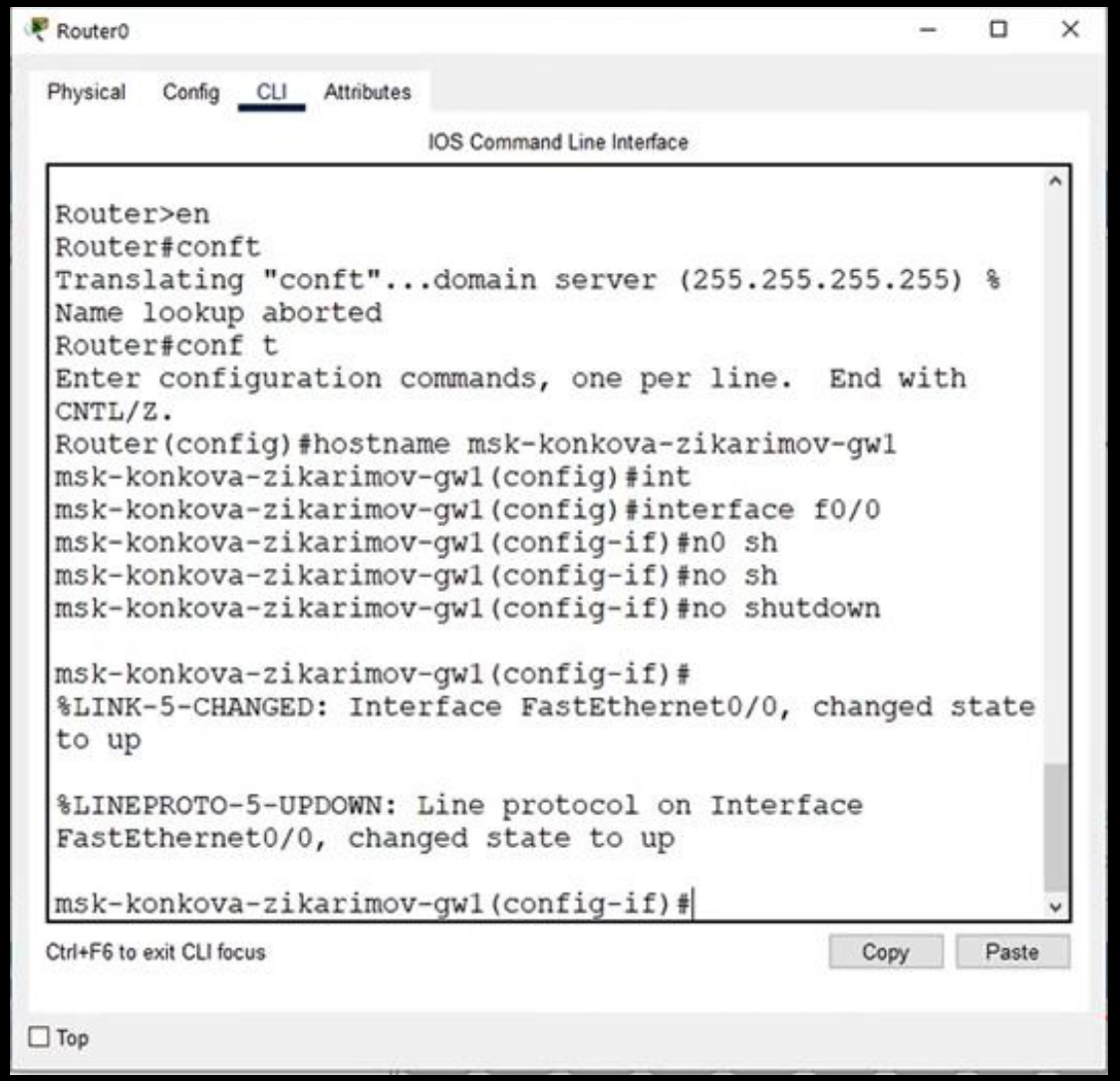
Статическая маршрутизация VLAN

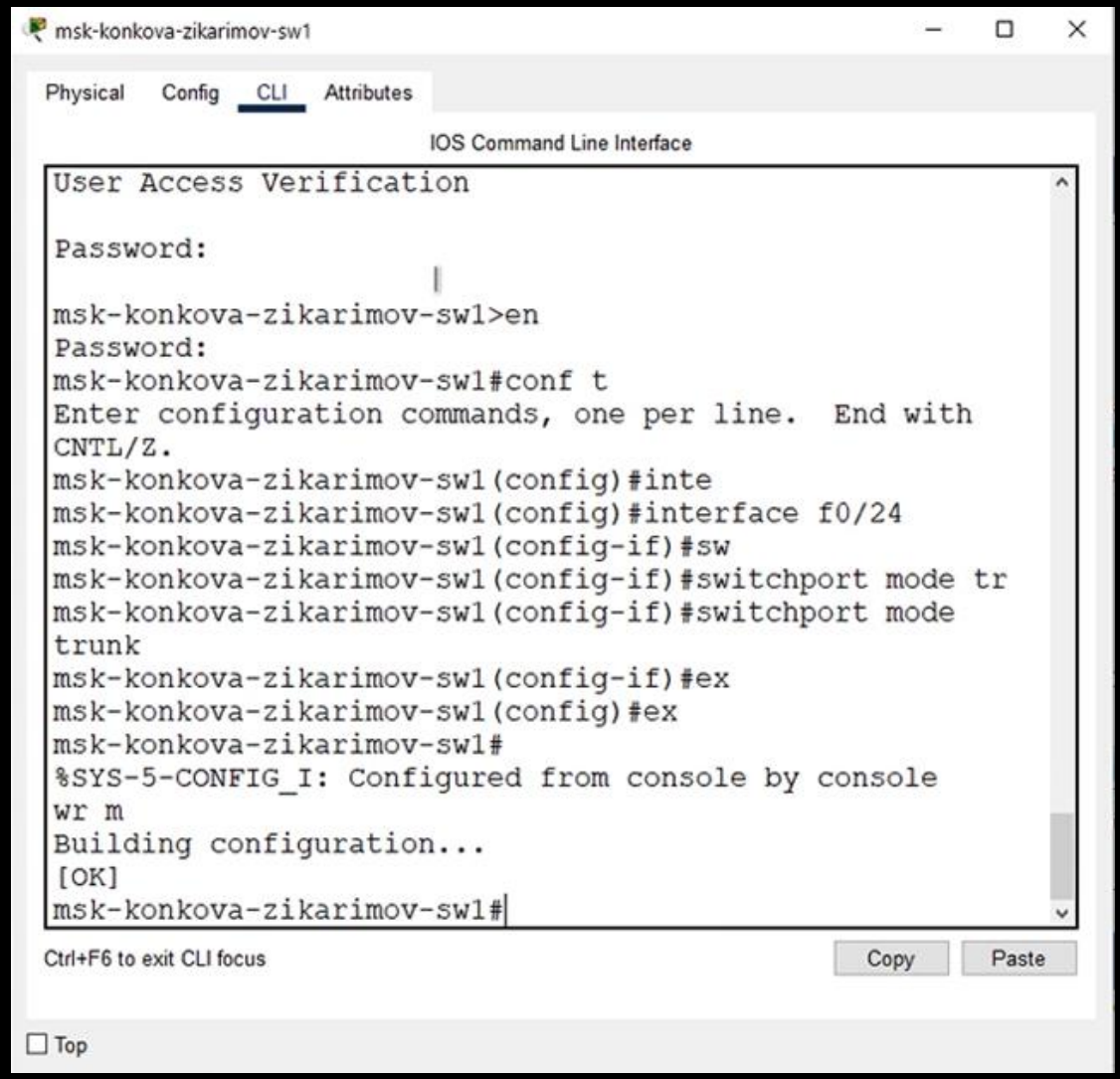
СТУДЕНТ: КАРИМОВ ЗУФАР

ГРУППА: НПИБД-01-18


Cisco Packet Tracer - C:\Users\Admin\Cisco Packet Tracer 8.0\saves\lab6.pkt
File Edit Options View Tools Extensions Window Help
Logical
Physical
Москва, Обручева
Москва, Коньково
msk-obrucheva-zikarimov-sw1
msk-konkova-zikarimov-sw1
msk-konkova-zikarimov-sw3
PC-PT dk-obrucheva-1
PC-PT other-obrucheva-1
PC-PT dk-konkova-1
PC-PT dep-konkova-1
PC-PT adm-konkova-1
PC-PT other-konkova-1
Server-PT web
Server-PT file
Server-PT mail
Realtime
Simulation
Copper Straight-Through

Cisco 2811


Router0
Physical
Config
CLI
Attributes
IOS Command Line Interface
Router>en
Router#conft
Translating "conft"...domain server (255.255.255.255) %
Name lookup aborted
Router#conf t
Enter configuration commands, one per line. End with
CNTL/Z.
Router(config)#hostname msk-konkova-zikarimov-gw1
msk-konkova-zikarimov-gw1(config)#int
msk-konkova-zikarimov-gw1(config)#interface f0/0
msk-konkova-zikarimov-gw1(config-if)#n0 sh
msk-konkova-zikarimov-gw1(config-if)#no sh
msk-konkova-zikarimov-gw1(config-if)#no shutdown
msk-konkova-zikarimov-gw1(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state
to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface
FastEthernet0/0, changed state to up
msk-konkova-zikarimov-gw1(config-if)#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

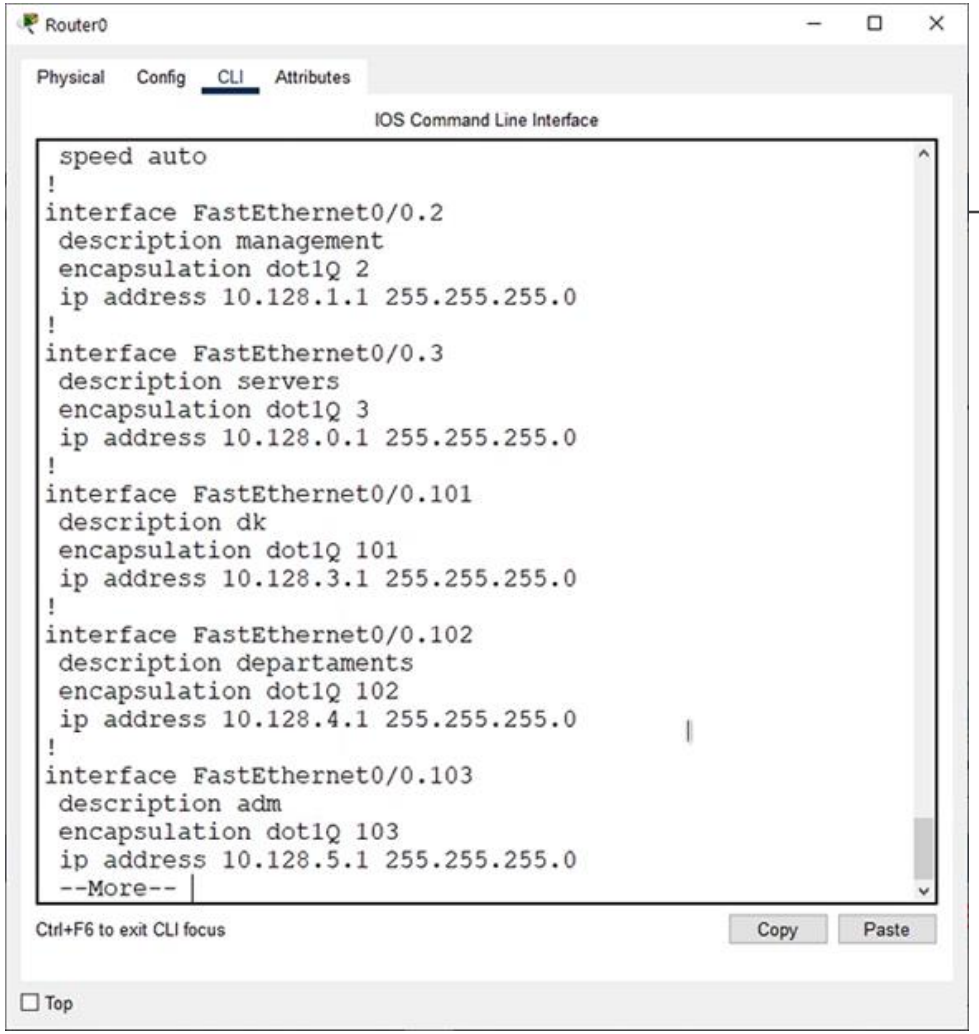

msk-konkova-zikarimov-sw1
Physical
Config
CLI
Attributes
IOS Command Line Interface
User Access Verification
Password:
msk-konkova-zikarimov-sw1>en
Password:
msk-konkova-zikarimov-sw1#conf t
Enter configuration commands, one per line. End with
CNTL/Z.
msk-konkova-zikarimov-sw1(config)#inte
msk-konkova-zikarimov-sw1(config)#interface f0/24
msk-konkova-zikarimov-sw1(config-if)#sw
msk-konkova-zikarimov-sw1(config-if)#switchport mode tr
msk-konkova-zikarimov-sw1(config-if)#switchport mode
trunk
msk-konkova-zikarimov-sw1(config-if)#ex
msk-konkova-zikarimov-sw1(config)#ex
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

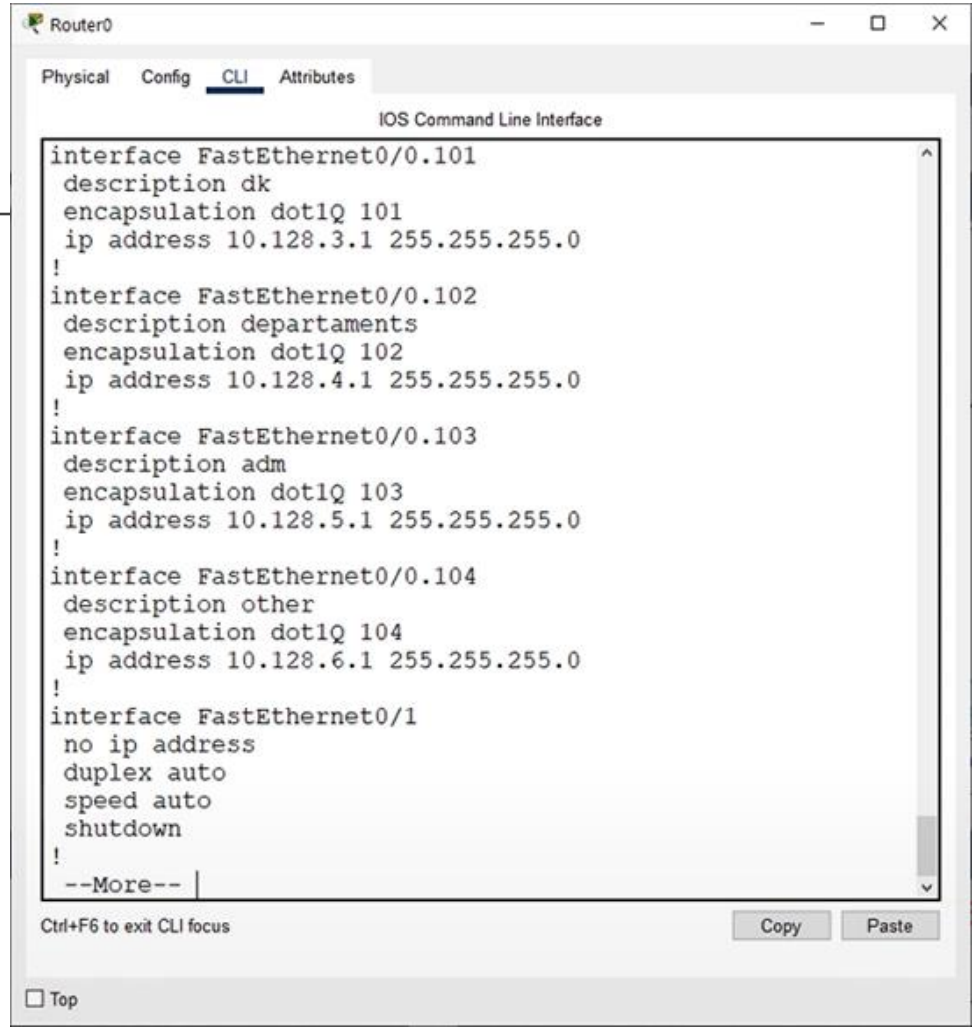
```
msk-konkova-zikarimov-gw1(config)#username admin privilege
1 secret cisco
msk-konkova-zikarimov-gw1(config)#ip domain-n
msk-konkova-zikarimov-gw1(config)#ip domain-name
donskaya.rudn.edu
msk-konkova-zikarimov-gw1(config)#crep
msk-konkova-zikarimov-gw1(config)#cry
msk-konkova-zikarimov-gw1(config)#crypto key gene
msk-konkova-zikarimov-gw1(config)#crypto key generate rsa
The name for the keys will be: msk-konkova-zikarimov-
gw1.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]
```

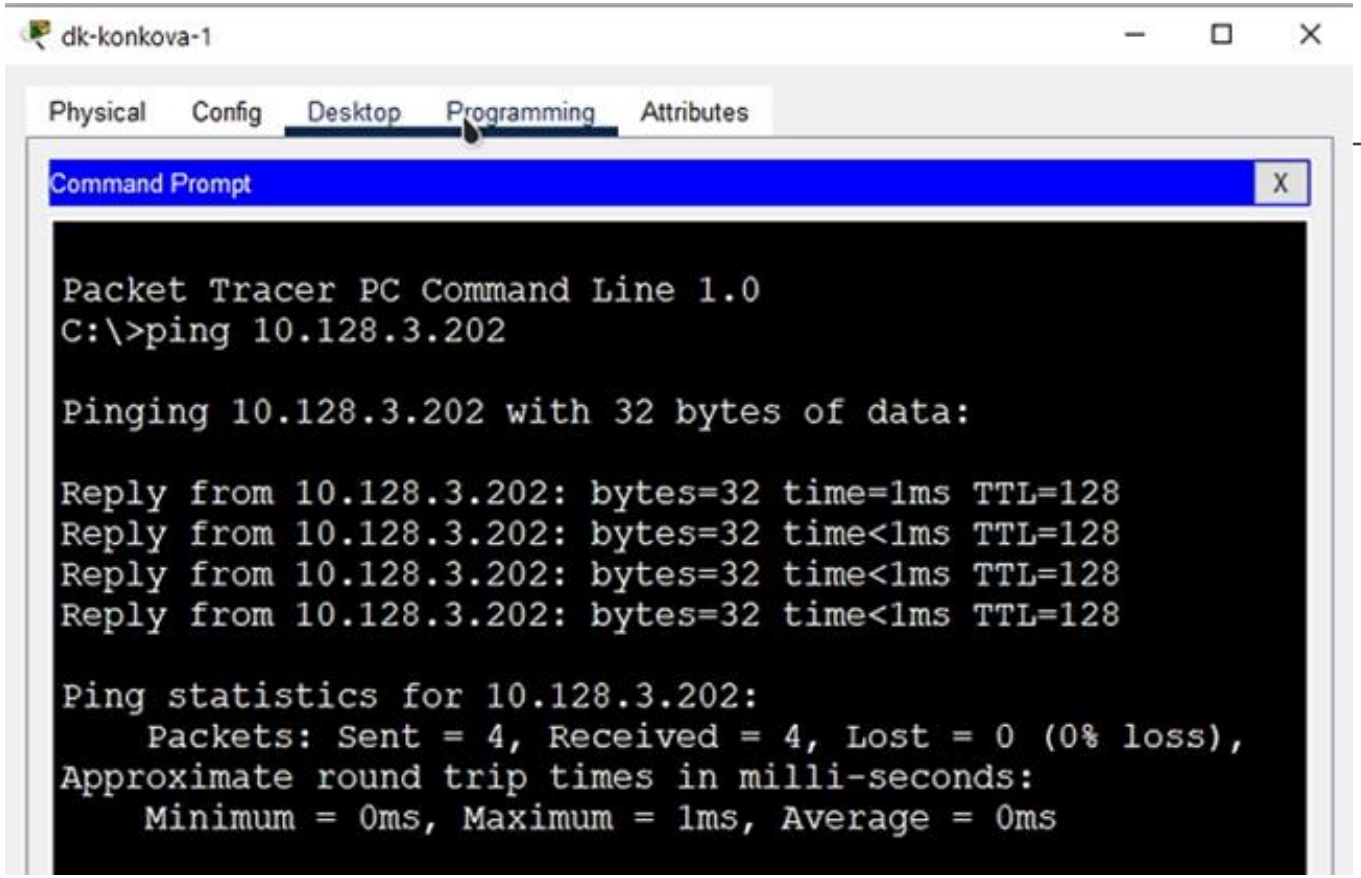
```
msk-konkova-zikarimov-gw1(config)#line vty 0 4
msk-konkova-zikarimov-gw1(config-line)#password cisco
msk-konkova-zikarimov-gw1(config-line)#login
msk-konkova-zikarimov-gw1(config-line)#line cons
msk-konkova-zikarimov-gw1(config-line)#line cons
msk-konkova-zikarimov-gw1(config-line)#ex
% Ambiguous command: "ex"
msk-konkova-zikarimov-gw1(config-line)#ex
% Ambiguous command: "ex"
msk-konkova-zikarimov-gw1(config-line)#exit
msk-konkova-zikarimov-gw1(config)#line con
msk-konkova-zikarimov-gw1(config)#line console 0
msk-konkova-zikarimov-gw1(config-line)#passw
msk-konkova-zikarimov-gw1(config-line)#password cisco
msk-konkova-zikarimov-gw1(config-line)#login
msk-konkova-zikarimov-gw1(config-line)#enable secret cisco
msk-konkova-zikarimov-gw1(config)#servi
msk-konkova-zikarimov-gw1(config)#service pass
msk-konkova-zikarimov-gw1(config)#service password-
encryption
```

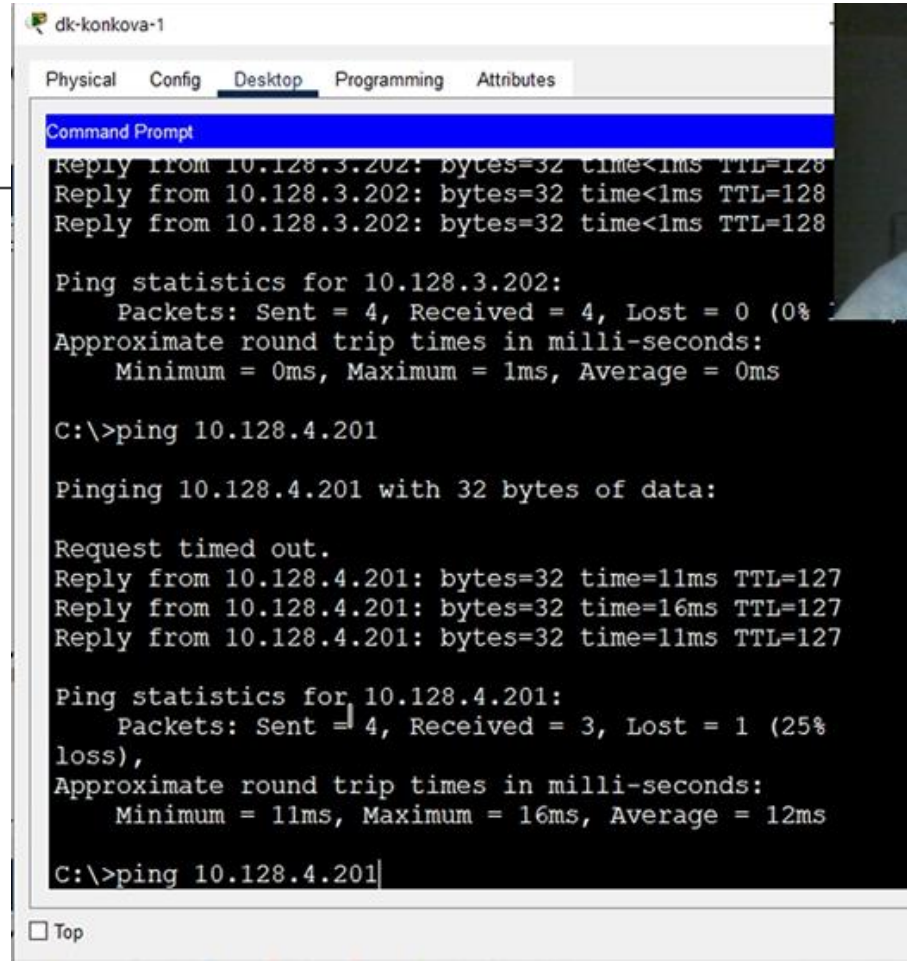
```
msk-konkova-zikarimov-gw1(config)#interface f0/0.2
msk-konkova-zikarimov-gw1(config-subif)#
%LINK-5-CHANGED: Interface FastEthernet0/0.2, changed
state to up

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

msk-konkova-zikarimov-gw1(config-subif)#enc
msk-konkova-zikarimov-gw1(config-subif)#encapsulation
dot1Q 2
msk-konkova-zikarimov-gw1(config-subif)#ip add
msk-konkova-zikarimov-gw1(config-subif)#ip address
10.128.1.1 255.255.255.0
msk-konkova-zikarimov-gw1(config-subif)#desc
msk-konkova-zikarimov-gw1(config-subif)#description
management
msk-konkova-zikarimov-gw1(config-subif)#ex
msk-konkova-zikarimov-gw1(config)#ex
msk-konkova-zikarimov-gw1#
%SYS-5-CONFIG_I: Configured from console by console
wr m
Building configuration
```

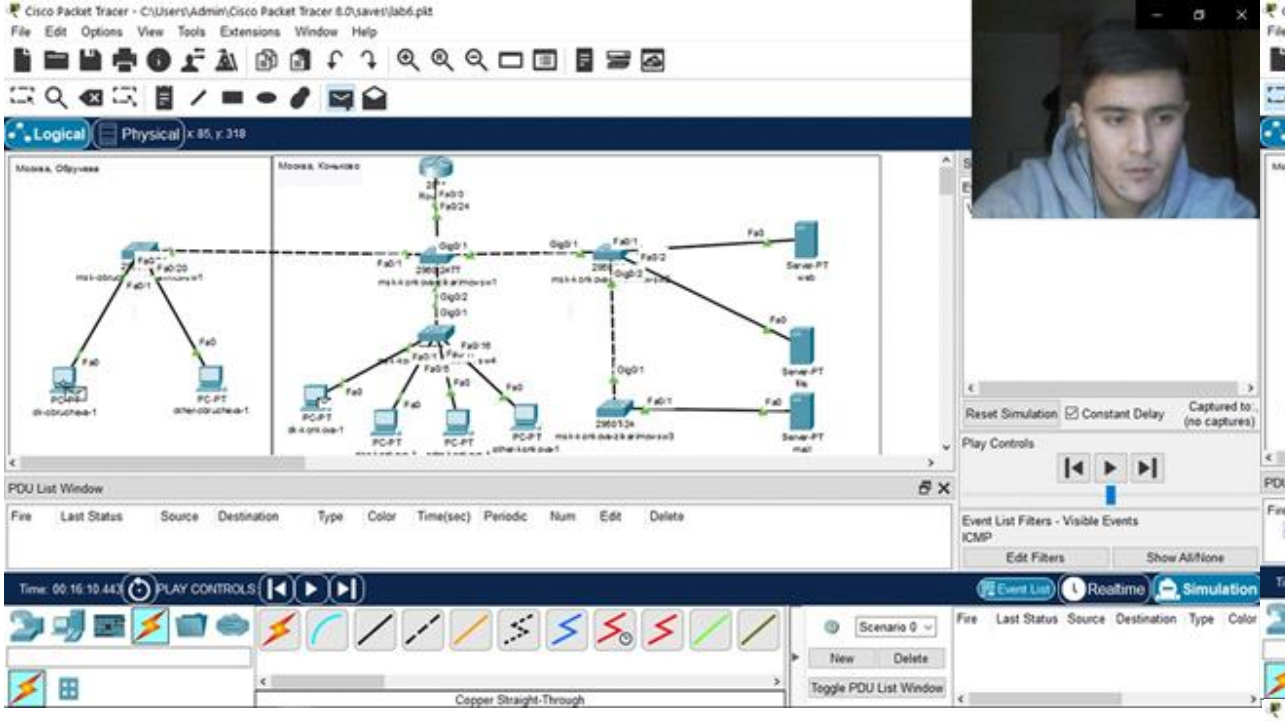
```
:onkova-zikarimov-gw1(config)#line vty 0 4
 1 0:4:42.723: %SSH-5-ENABLED: SSH 1.99 has be
.ed
:onkova-zikarimov-gw1(config-line)#tr
:onkova-zikarimov-gw1(config-line)#transport
:onkova-zikarimov-gw1(config-line)#transport
:onkova-zikarimov-gw1(config-line)#ex
)iguous command: "ex"
:onkova-zikarimov-gw1(config-line)#exit
:onkova-zikarimov-gw1(config)#exit
:onkova-zikarimov-gw1#
-5-CONFIG_I: Configured from console by consol

ling configuration...
```

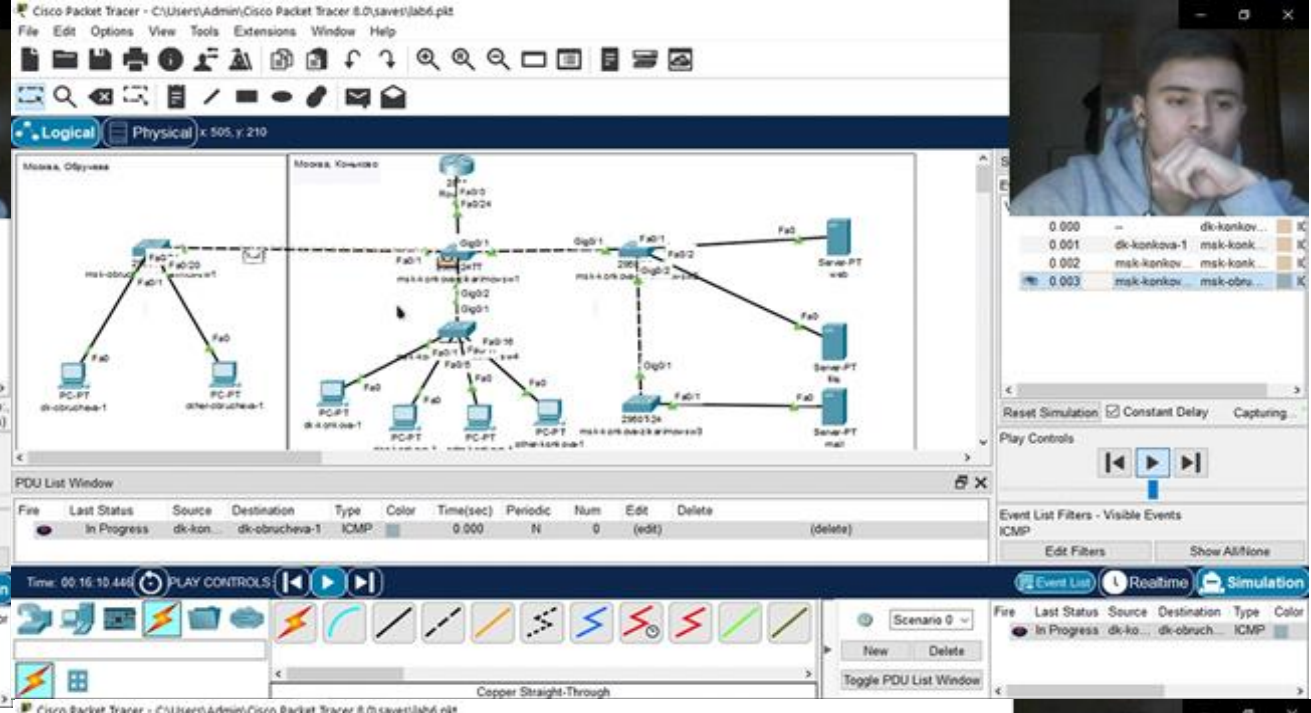

Router0
Physical
Config
CLI
Attributes
IOS Command Line Interface
speed auto
!
interface FastEthernet0/0.2
description management
encapsulation dot1Q 2
ip address 10.128.1.1 255.255.255.0
!
interface FastEthernet0/0.3
description servers
encapsulation dot1Q 3
ip address 10.128.0.1 255.255.255.0
!
interface FastEthernet0/0.101
description dk
encapsulation dot1Q 101
ip address 10.128.3.1 255.255.255.0
!
interface FastEthernet0/0.102
description departaments
encapsulation dot1Q 102
ip address 10.128.4.1 255.255.255.0
!
interface FastEthernet0/0.103
description adm
encapsulation dot1Q 103
ip address 10.128.5.1 255.255.255.0
--More--
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

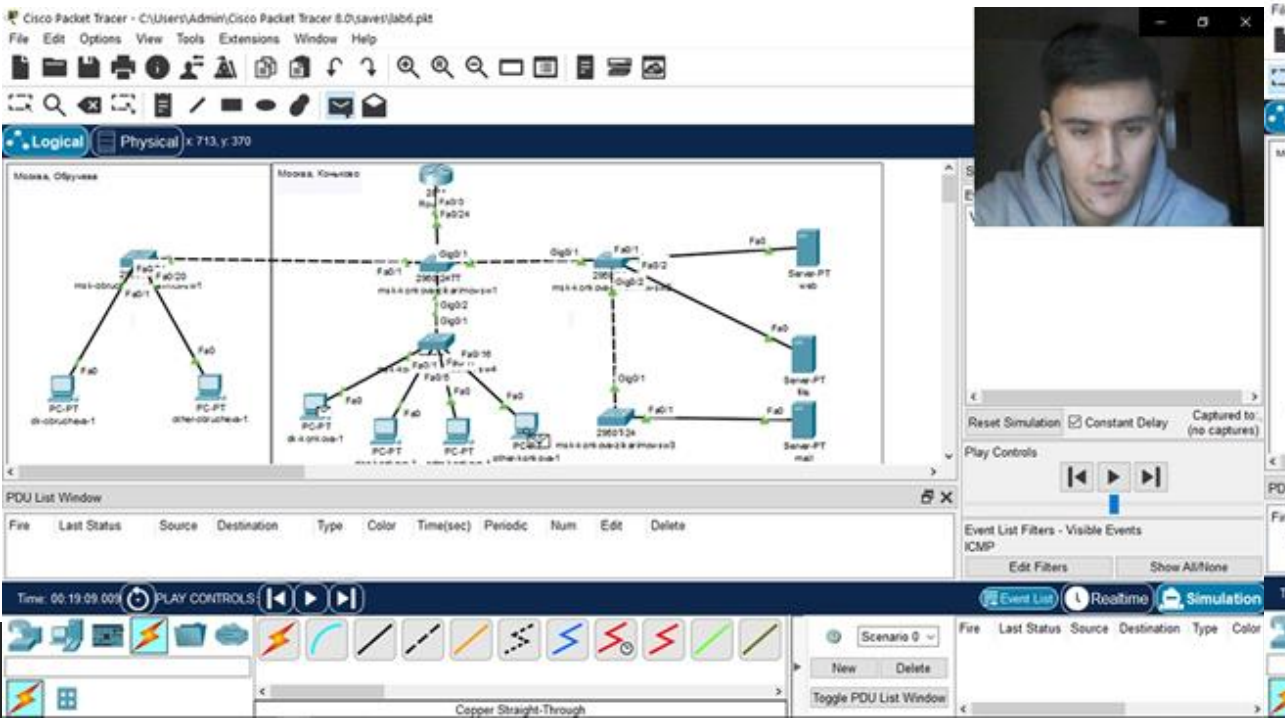

Router0
Physical
Config
CLI
Attributes
IOS Command Line Interface
interface FastEthernet0/0.101
description dk
encapsulation dot1Q 101
ip address 10.128.3.1 255.255.255.0
!
interface FastEthernet0/0.102
description departaments
encapsulation dot1Q 102
ip address 10.128.4.1 255.255.255.0
!
interface FastEthernet0/0.103
description adm
encapsulation dot1Q 103
ip address 10.128.5.1 255.255.255.0
!
interface FastEthernet0/0.104
description other
encapsulation dot1Q 104
ip address 10.128.6.1 255.255.255.0
!
interface FastEthernet0/1
no ip address
duplex auto
speed auto
shutdown
!
--More--
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

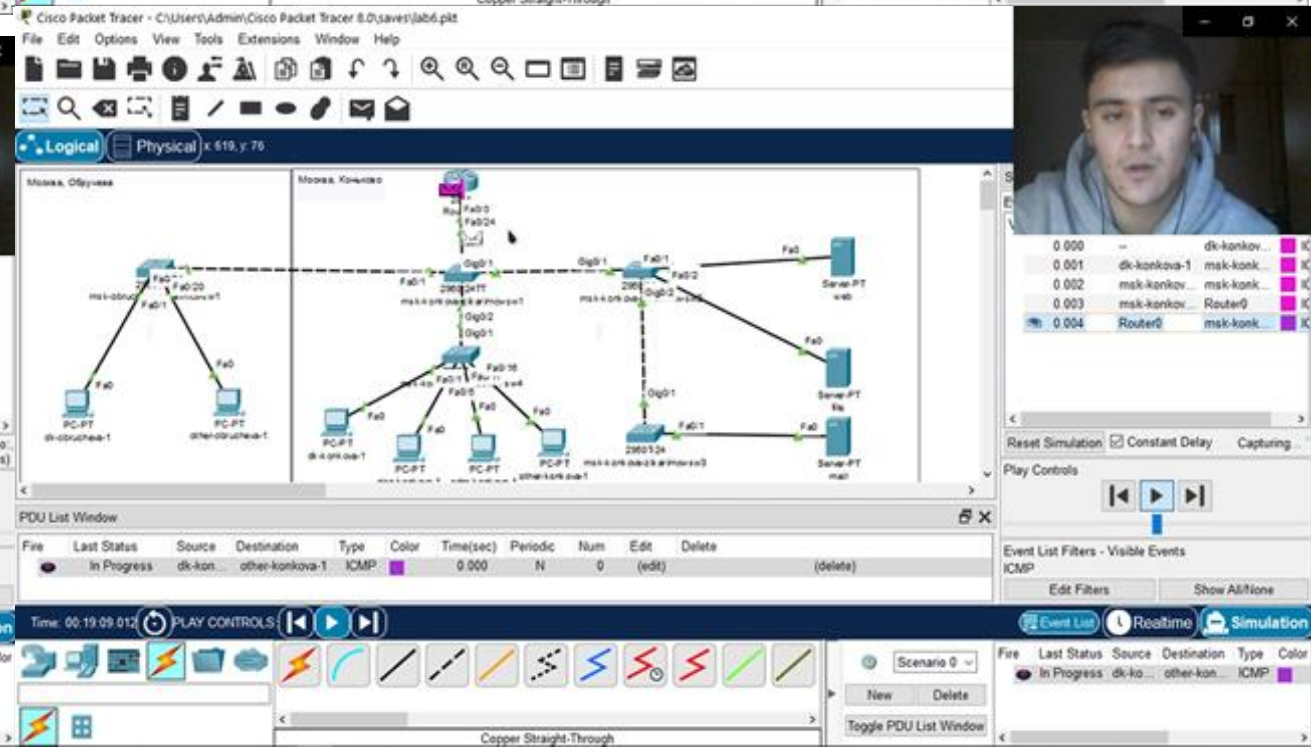

dk-konkova-1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Packet Tracer PC Command Line 1.0
C:\>ping 10.128.3.202
Pinging 10.128.3.202 with 32 bytes of data:
Reply from 10.128.3.202: bytes=32 time=1ms TTL=128
Reply from 10.128.3.202: bytes=32 time<1ms TTL=128
Reply from 10.128.3.202: bytes=32 time<1ms TTL=128
Reply from 10.128.3.202: bytes=32 time<1ms TTL=128
Ping statistics for 10.128.3.202:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms


dk-konkova-1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
Reply from 10.128.3.202: bytes=32 time<1ms TTL=128
Reply from 10.128.3.202: bytes=32 time<1ms TTL=128
Reply from 10.128.3.202: bytes=32 time<1ms TTL=128
Ping statistics for 10.128.3.202:
Packets: Sent = 4, Received = 4, Lost = 0 (0%
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>ping 10.128.4.201
Pinging 10.128.4.201 with 32 bytes of data:
Request timed out.
Reply from 10.128.4.201: bytes=32 time=11ms TTL=127
Reply from 10.128.4.201: bytes=32 time=16ms TTL=127
Reply from 10.128.4.201: bytes=32 time=11ms TTL=127
Ping statistics for 10.128.4.201:
Packets: Sent = 4, Received = 3, Lost = 1 (25%
loss),
Approximate round trip times in milli-seconds:
Minimum = 11ms, Maximum = 16ms, Average = 12ms
C:\>ping 10.128.4.201
Top


Cisco Packet Tracer - C:\Users\Admin\Cisco Packet Tracer 8.0\saves\lab6.pkt
File Edit Options View Tools Extensions Window Help
Logical Physical x: 85, y: 318
Москва, Обручево
Москва, Конково
PDU List Window
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete
Reset Simulation Constant Delay Captured to: (no captures)
Play Controls
Event List Filters - Visible Events
ICMP
Edit Filters Show All/None
Time: 00:16:10.443 PLAY CONTROLS Event List Realtime Simulation
Copper Straight-Through
Scenario 0 New Delete Toggle PDU List Window


Cisco Packet Tracer - C:\Users\Admin\Cisco Packet Tracer 8.0\saves\lab6.pkt
File Edit Options View Tools Extensions Window Help
Logical Physical x: 505, y: 210
PDU List Window
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete
In Progress dk-kon... dk-obrucheva-1 ICMP 0.000 N 0 (edit) (delete)
Reset Simulation Constant Delay Capturing...
Play Controls
Event List Filters - Visible Events
ICMP
Edit Filters Show All/None
Time: 00:16:10.446 PLAY CONTROLS Event List Realtime Simulation
Copper Straight-Through
Scenario 0 New Delete Toggle PDU List Window


Cisco Packet Tracer - C:\Users\Admin\Cisco Packet Tracer 8.0\saves\lab6.pkt
File Edit Options View Tools Extensions Window Help
Logical Physical x: 713, y: 370
Москва, Обручево
Москва, Конково
PDU List Window
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete
Reset Simulation Constant Delay Captured to: (no captures)
Play Controls
Event List Filters - Visible Events
ICMP
Edit Filters Show All/None
Time: 00:19:09.009 PLAY CONTROLS Event List Realtime Simulation
Copper Straight-Through
Scenario 0 New Delete Toggle PDU List Window


Cisco Packet Tracer - C:\Users\Admin\Cisco Packet Tracer 8.0\saves\lab6.pkt
File Edit Options View Tools Extensions Window Help
Logical Physical x: 619, y: 76
PDU List Window
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete
In Progress dk-kon... other-konkova-1 ICMP 0.000 N 0 (edit) (delete)
Reset Simulation Constant Delay Capturing...
Play Controls
Event List Filters - Visible Events
ICMP
Edit Filters Show All/None
Time: 00:19:09.012 PLAY CONTROLS Event List Realtime Simulation
Copper Straight-Through
Scenario 0 New Delete Toggle PDU List Window