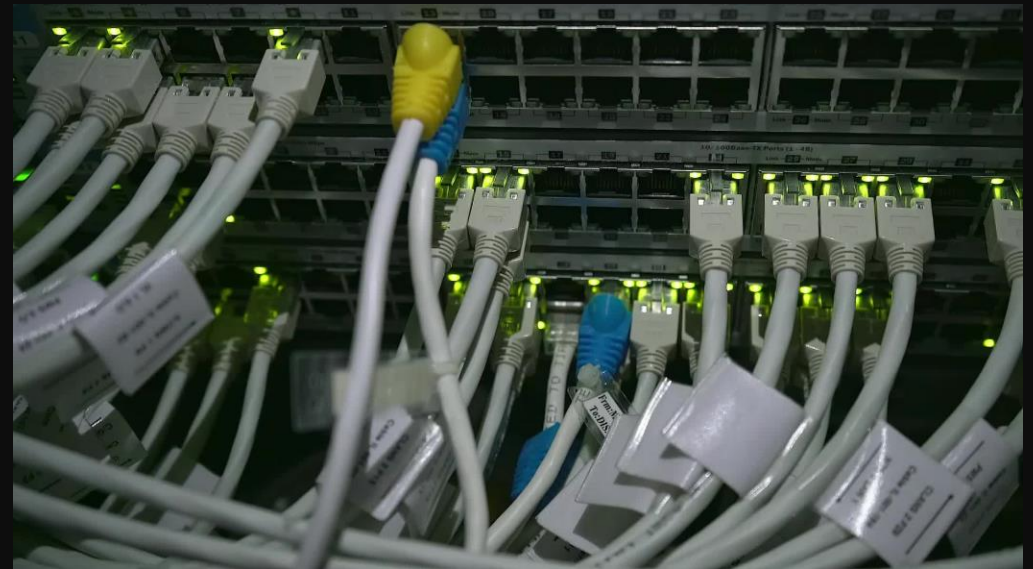


Знакомство с Cisco Packet Tracer

Студент: Каримов Зуфар

Группа: НПИ-01-18





Обновление до входа в систему

Я учусь



Обновить статус

Просмотреть каталог курсов

Курсы, на которые я записался

Положение дел

Поиск по названию курса или идентификатору

Все статусы



Завершенный

-акт-

Введение в Packet Tracer, английский язык 0221

Виртуальная академия Cisco

Введение в Packet Tracer

👍 Вы прошли!



Закончился

Проводить исследования

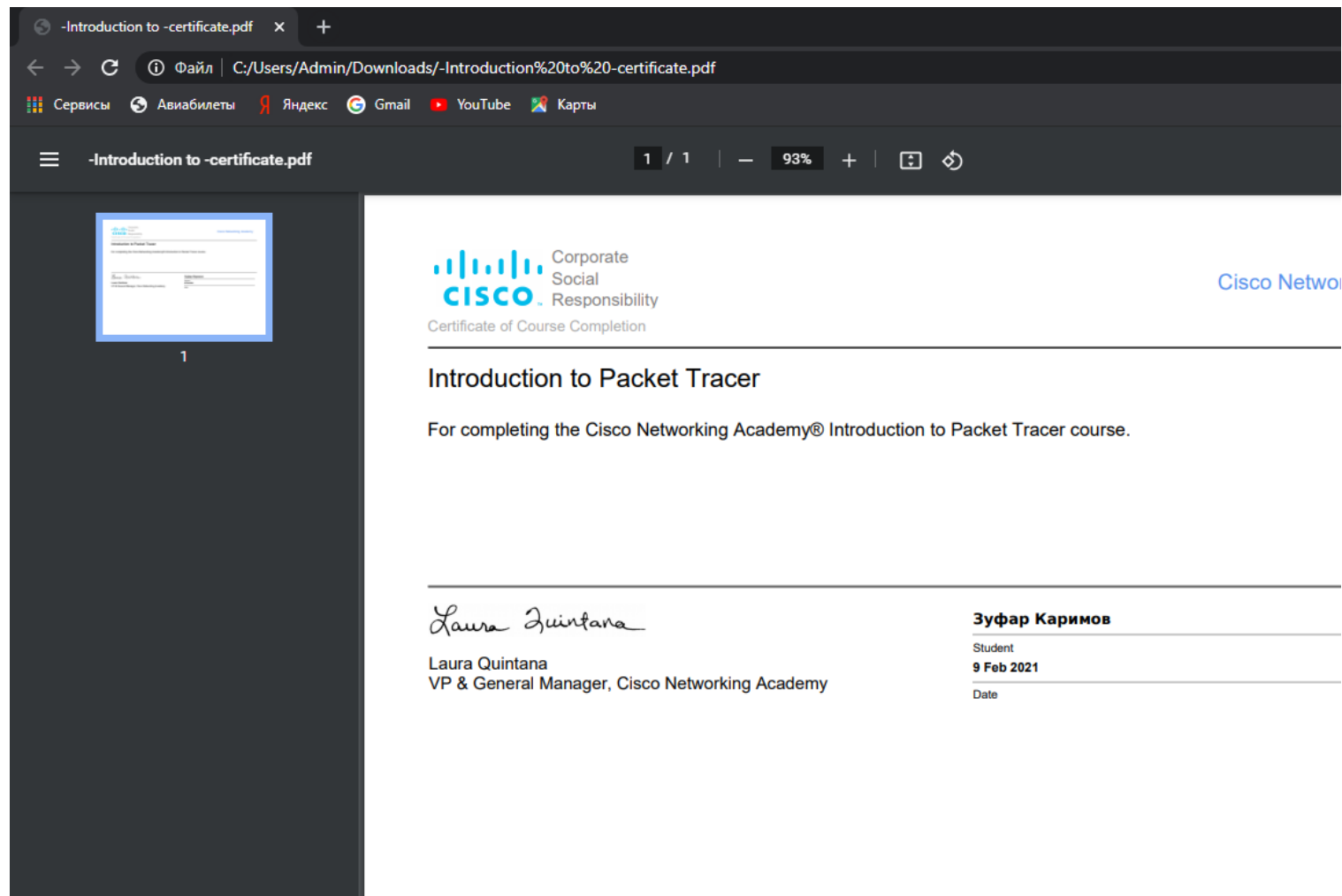
Знакомство с Packet Tracer 0820 г

Виртуальная академия Cisco

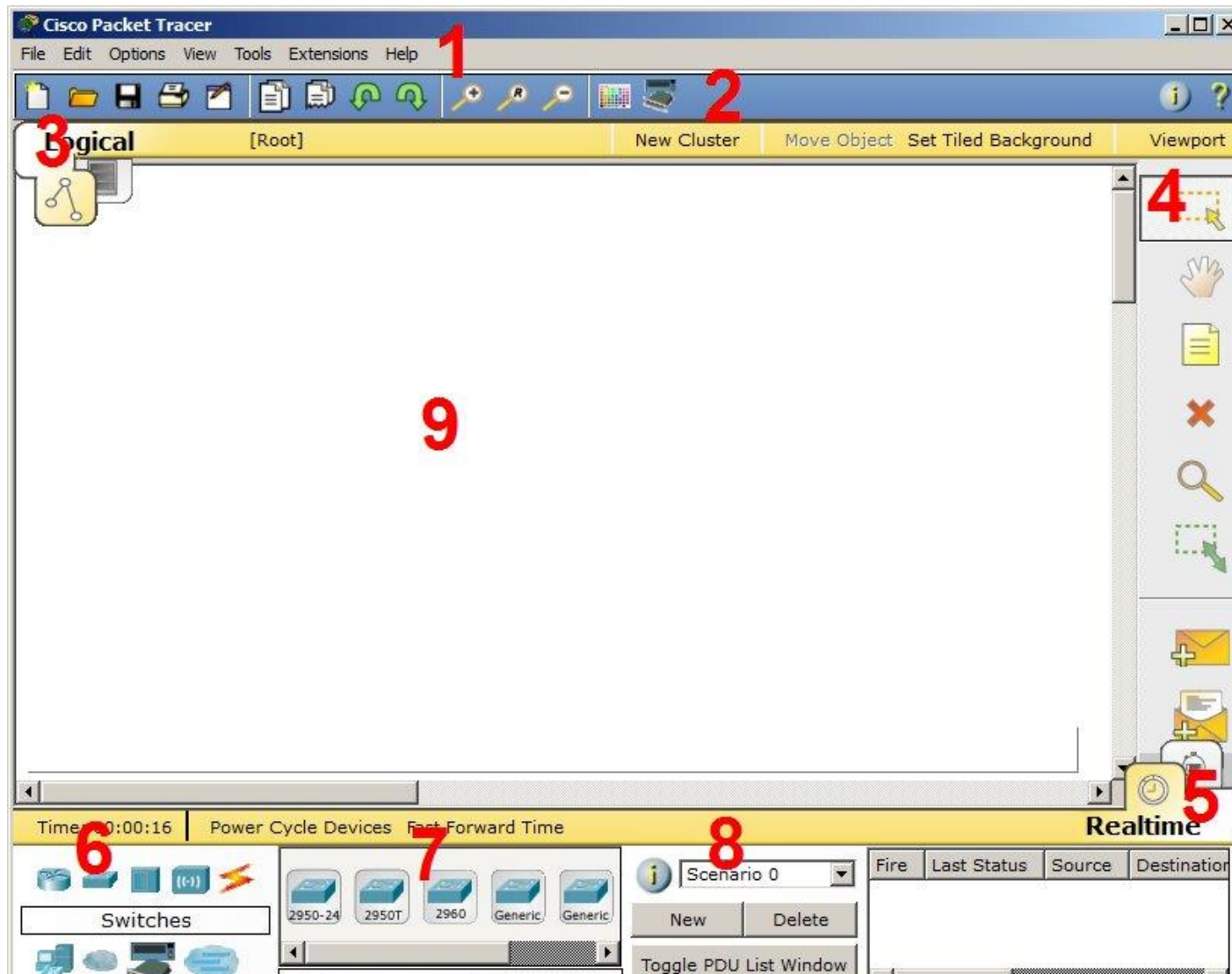
Введение в Packet Tracer

✗ Вы не выполнили все требования.

Регистрация на сайте академии Cisco

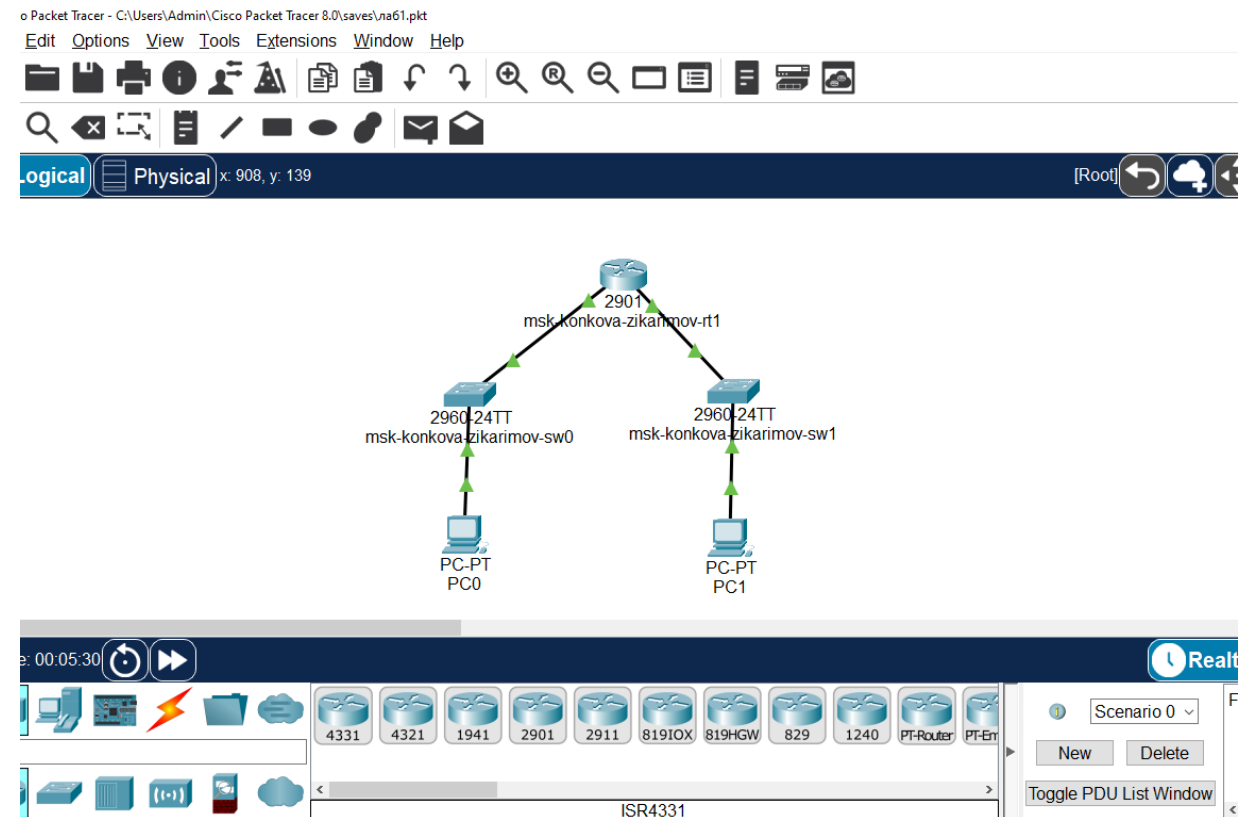
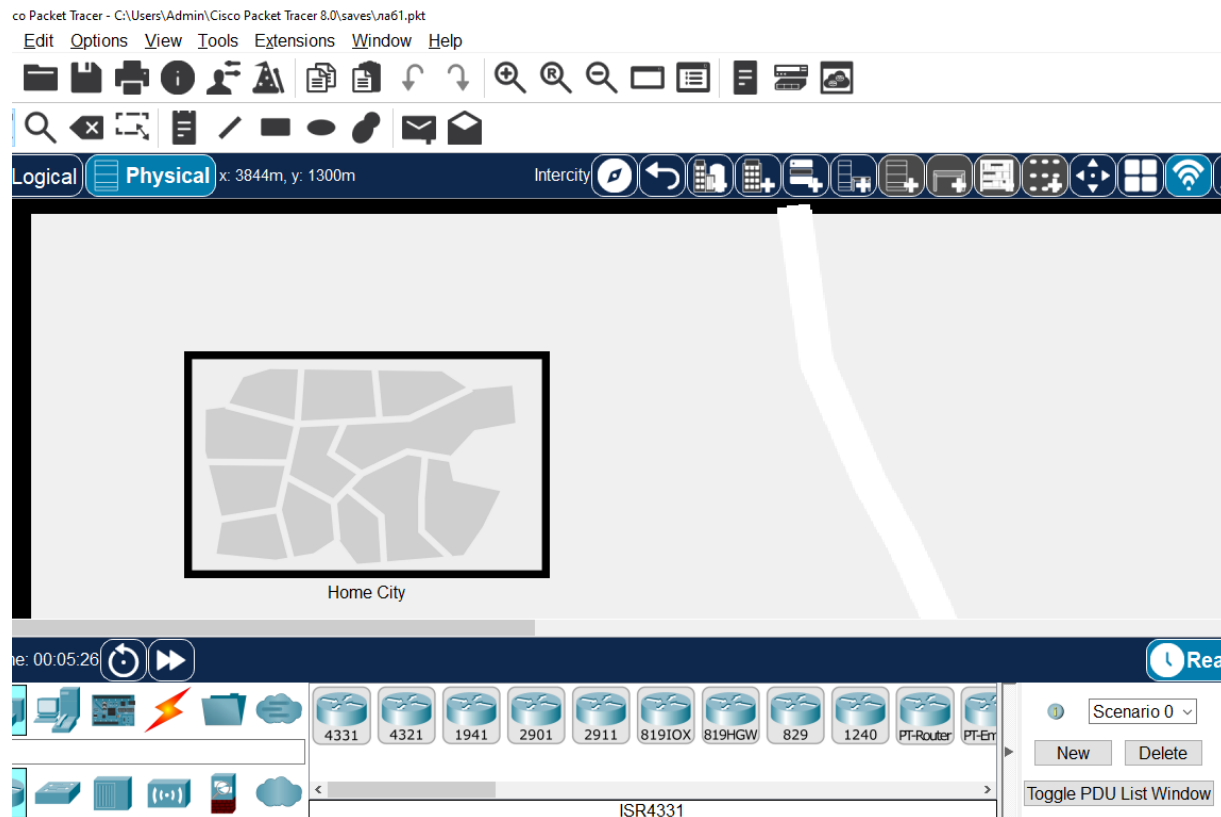


Изучить
содержания
курса

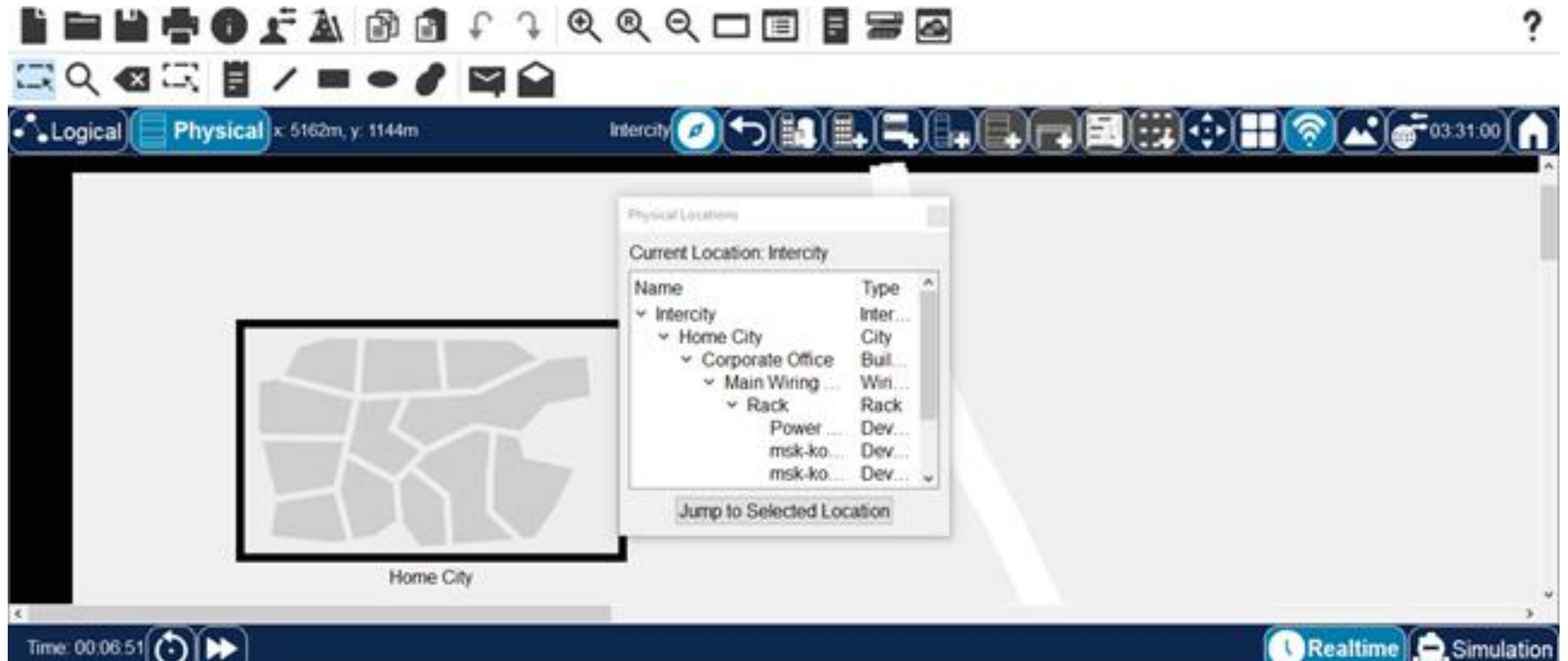


Основные элементы
пользовательского
интерфейса Packet
Tracer

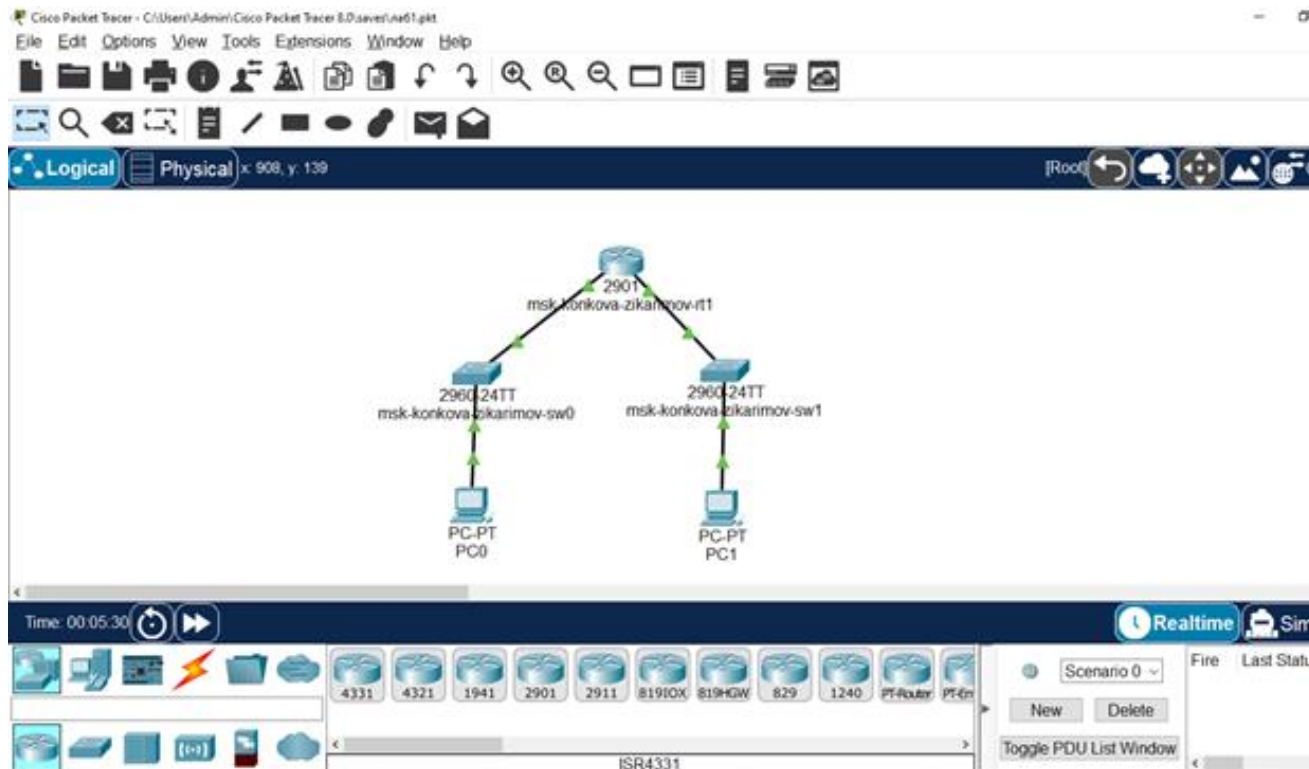
Logical/Physical



Physical -Navigation



Построение сети



- Router 2901, два коммутатора типа Switch 2960, два оконечных устройства типа PC-PT Generic

Коммутаторы сети

The screenshot displays a network management interface for a switch. On the left, a sidebar menu includes 'Algorithm Settings', 'SWITCHING', 'VLAN Database', and 'INTERFACE'. Under 'INTERFACE', a list of ports from FastEthernet0/1 to FastEthernet0/11 is shown, with FastEthernet0/2 selected. The main panel shows configuration fields for the selected interface: 'Display Name' (msk-konkova-zikarimov-sw0), 'Hostname' (mks-konkova-zikarimov-sw0), and 'Serial Number' (Serial Number). Below these are buttons for 'NVRAM' (Erase, Save), 'Startup Config' (Load..., Export...), and 'Running Config' (Export..., Merge...). At the bottom left, a status message reads: '%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up'. On the right, a terminal window shows the switch's boot sequence, including the IOS version (15.0(2)SE4) and the command 'Switch#conf term' followed by 'Switch(config)#hostname msk-konkova-zikarimov-sw1'.

Settings

Algorithm Settings

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/1

FastEthernet0/2

FastEthernet0/3

FastEthernet0/4

FastEthernet0/5

FastEthernet0/6

FastEthernet0/7

FastEthernet0/8

FastEthernet0/9

FastEthernet0/10

FastEthernet0/11

Display Name msk-konkova-zikarimov-sw0

Hostname mks-konkova-zikarimov-sw0

Serial Number Serial Number

NVRAM Erase Save

Startup Config Load... Export...

Running Config Export... Merge...

Equivalent IOS Commands

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up

```
* 1 26 WS-C2960-24TT-L 15.0(2)SE4
C2960-LANBASEK9-M

Cisco IOS Software, C2960 Software (C2960-LANBASEK9-M),
Version 15.0(2)SE4, RELEASE SOFTWARE (fc1)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2013 by Cisco Systems, Inc.
Compiled Wed 26-Jun-13 02:49 by mnnguyen

Press RETURN to get started!

Switch>en
Switch#conf term
Enter configuration commands, one per line. End with
CNTL/Z.
Switch(config)#hostname msk-konkova-zikarimov-sw1
msk-konkova-zikarimov-sw1(config)#
```


PC1

Physical Config Desktop Programming Attributes

GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
Bluetooth

Global Settings

Display Name: PC1

Interfaces: FastEthernet0

Gateway/DNS IPv4
☐ DHCP
☒ Static
Default Gateway: 192.168.2.1
DNS Server:

Gateway/DNS IPv6
☐ Automatic
☒ Static
Default Gateway:
DNS Server:

☐ Top

PC0

Physical Config Desktop Programming Attributes

GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
Bluetooth

Global Settings

Display Name: PC0

Interfaces: FastEthernet0

Gateway/DNS IPv4
☐ DHCP
☒ Static
Default Gateway: 192.168.1.1
DNS Server:

Gateway/DNS IPv6
☐ Automatic
☒ Static
Default Gateway:
DNS Server:

☐ Top

PC0

Physical Config Desktop Programming Attributes

GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
Bluetooth

FastEthernet0

Port Status: ☒ On
Bandwidth: ☒ 100 Mbps ☐ 10 Mbps ☒ Auto
Duplex: ☒ Half Duplex ☐ Full Duplex ☒ Auto
MAC Address: 0001.96B0.3216

IP Configuration
☐ DHCP
☒ Static
IPv4 Address: 192.168.1.2
Subnet Mask: 255.255.255.0

IPv6 Configuration
☐ Automatic
☒ Static
IPv6 Address:
Link Local Address: FE80::201:96FF:FEB0:3216

☐ Top

PC1

Physical Config Desktop Programming Attributes

GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
Bluetooth

FastEthernet0

Port Status: ☒ On
Bandwidth: ☒ 100 Mbps ☐ 10 Mbps ☒ Auto
Duplex: ☒ Half Duplex ☐ Full Duplex ☒ Auto
MAC Address: 0001.6415.DD5E

IP Configuration
☐ DHCP
☒ Static
IPv4 Address: 192.168.2.2
Subnet Mask: 255.255.255.0

IPv6 Configuration
☐ Automatic
☒ Static
IPv6 Address:
Link Local Address: FE80::201:64FF:FE15:DD5E

☐ Top

Устройства PC

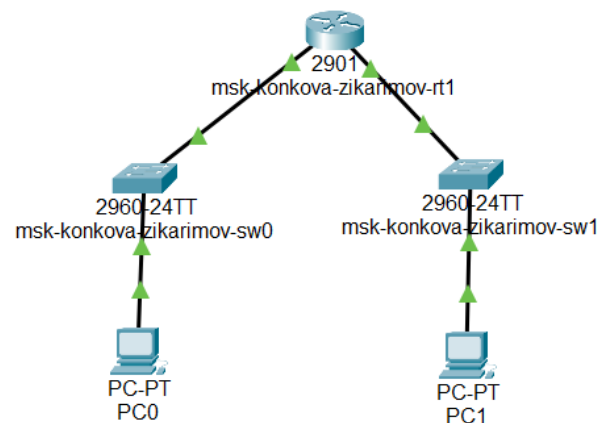
o Packet Tracer - C:\Users\Admin\Cisco Packet Tracer 8.0\saves\ла61.pkt

Edit Options View Tools Extensions Window Help

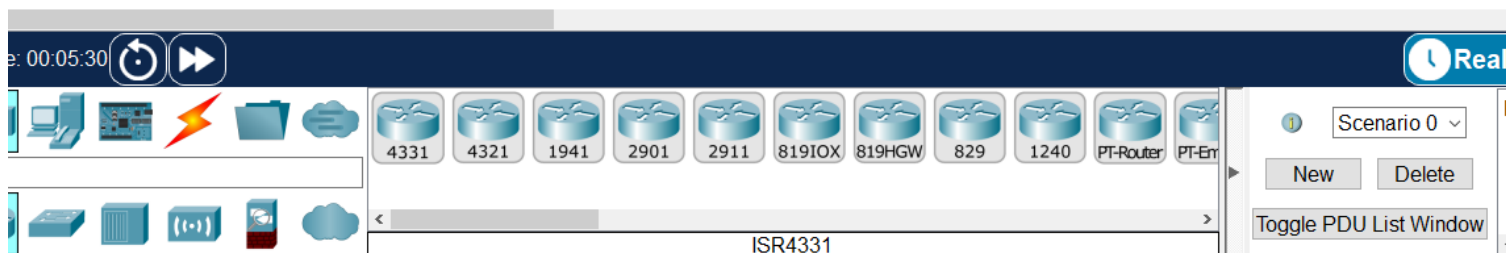


Logical Physical x: 908, y: 139

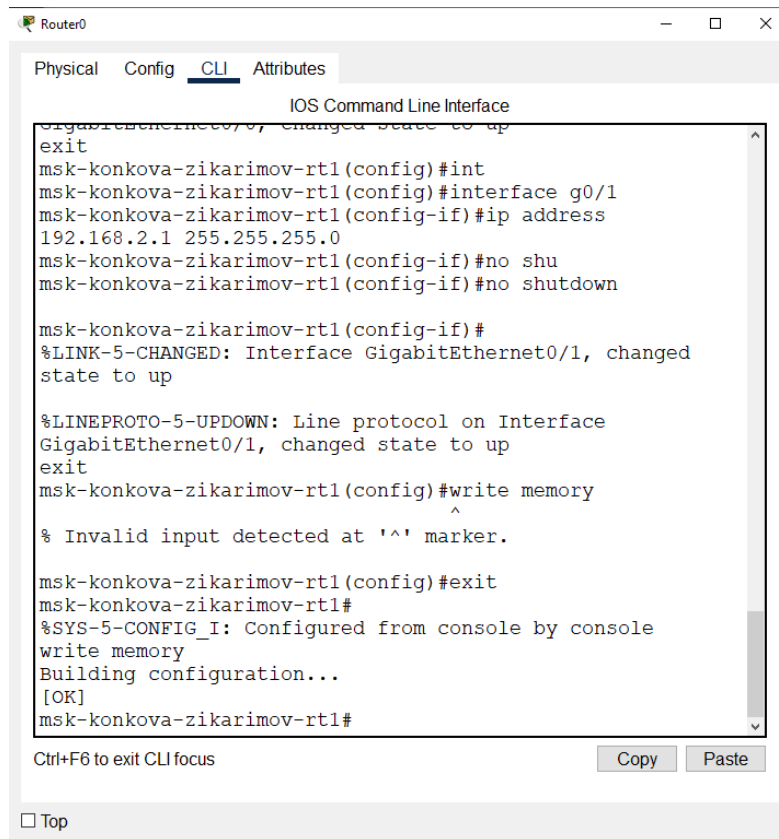
[Root]



Соединение
элементов
сети



Маршрутизатор



Router0

Physical Config CLI Attributes

IOS Command Line Interface

```
Router0>exit
msk-konkova-zikarimov-rt1(config)#int
msk-konkova-zikarimov-rt1(config)#interface g0/1
msk-konkova-zikarimov-rt1(config-if)#ip address
192.168.2.1 255.255.255.0
msk-konkova-zikarimov-rt1(config-if)#no shu
msk-konkova-zikarimov-rt1(config-if)#no shutdown

msk-konkova-zikarimov-rt1(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed
state to up

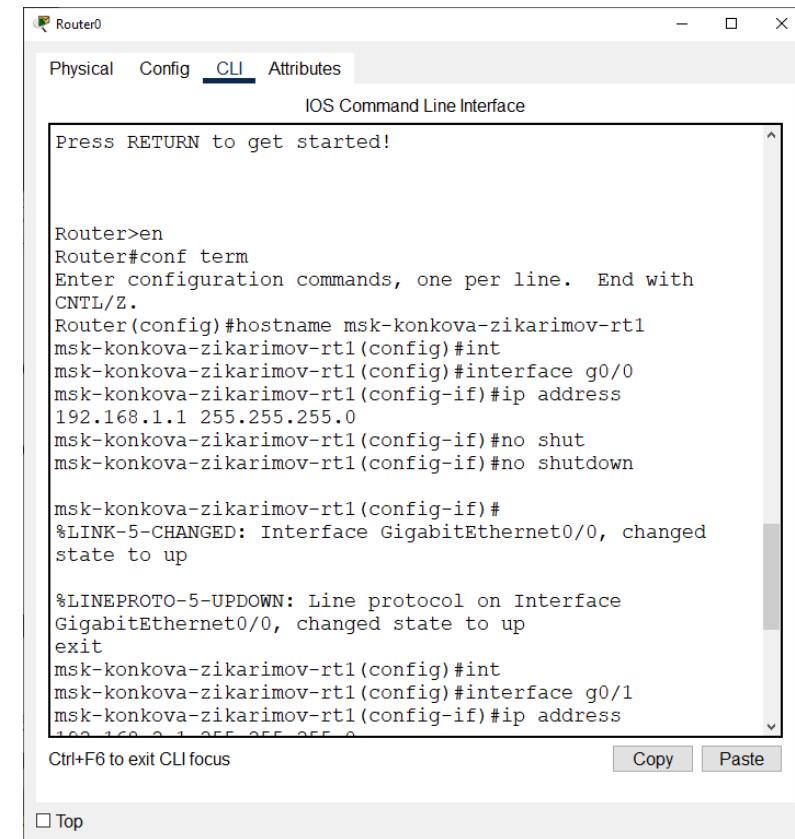
%LINEPROTO-5-UPDOWN: Line protocol on Interface
GigabitEthernet0/1, changed state to up
exit
msk-konkova-zikarimov-rt1(config)#write memory
^
% Invalid input detected at '^' marker.

msk-konkova-zikarimov-rt1(config)#exit
msk-konkova-zikarimov-rt1#
%SYS-5-CONFIG_I: Configured from console by console
write memory
Building configuration...
[OK]
msk-konkova-zikarimov-rt1#
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top



Router0

Physical Config CLI Attributes

IOS Command Line Interface

```
Press RETURN to get started!

Router>en
Router#conf term
Enter configuration commands, one per line. End with
CNTL/Z.
Router(config)#hostname msk-konkova-zikarimov-rt1
msk-konkova-zikarimov-rt1(config)#int
msk-konkova-zikarimov-rt1(config)#interface g0/0
msk-konkova-zikarimov-rt1(config-if)#ip address
192.168.1.1 255.255.255.0
msk-konkova-zikarimov-rt1(config-if)#no shut
msk-konkova-zikarimov-rt1(config-if)#no shutdown

msk-konkova-zikarimov-rt1(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed
state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface
GigabitEthernet0/0, changed state to up
exit
msk-konkova-zikarimov-rt1(config)#int
msk-konkova-zikarimov-rt1(config)#interface g0/1
msk-konkova-zikarimov-rt1(config-if)#ip address
192.168.2.1 255.255.255.0
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.1

Pinging 192.168.2.1 with 32 bytes of data:

Reply from 192.168.2.1: bytes=32 time=2ms 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
Reply from 192.168.2.1: bytes=32 time<1ms 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 = 0ms, Maximum = 2ms, Average = 1ms

C:\>|
```

Проверка
доступности
узла