

An abstract graphic on the left side of the slide. It features a sphere-like structure composed of numerous thin, grey lines representing connections. Scattered across this structure are various colored dots: blue, green, red, and black. Some dots are larger than others, suggesting different levels of connectivity or importance. The background of the left side is a light grey gradient, while the right side is a solid dark teal color.

СТАТИЧЕСКАЯ МАРШРУТИЗАЦИЯ В ИНТЕРНЕТЕ. ПЛАНИРОВАНИЕ

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Группа: НПИбд-01-18

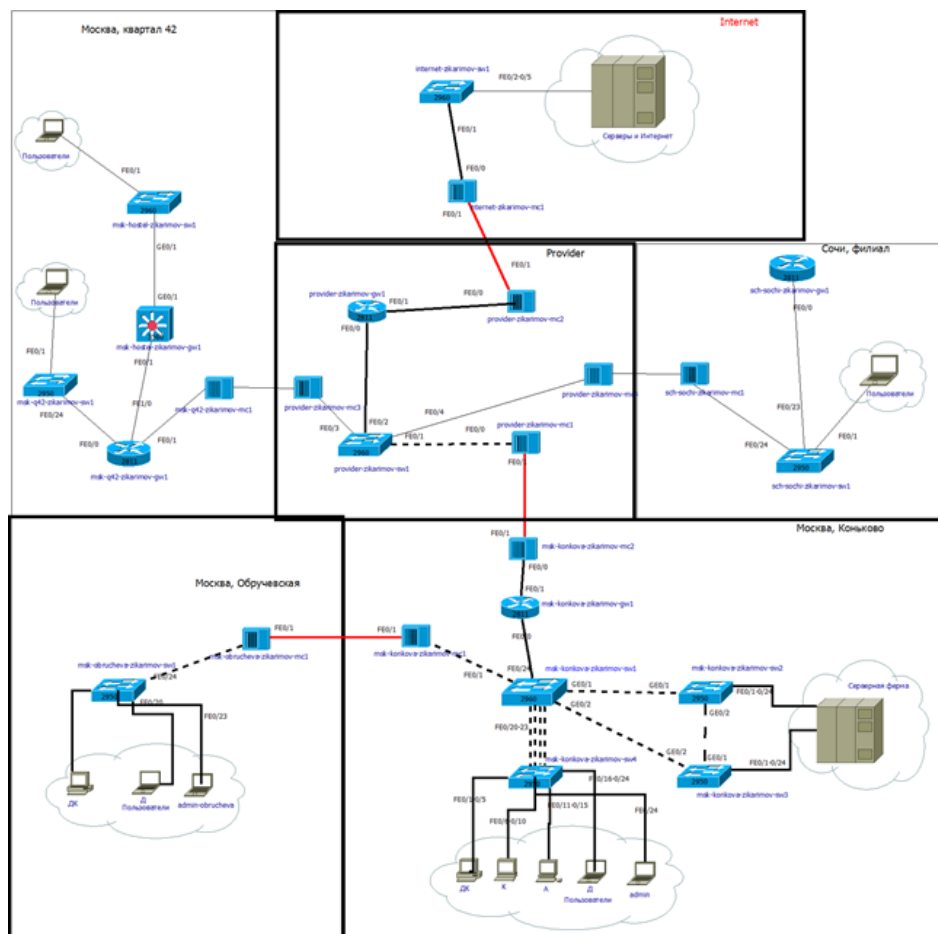
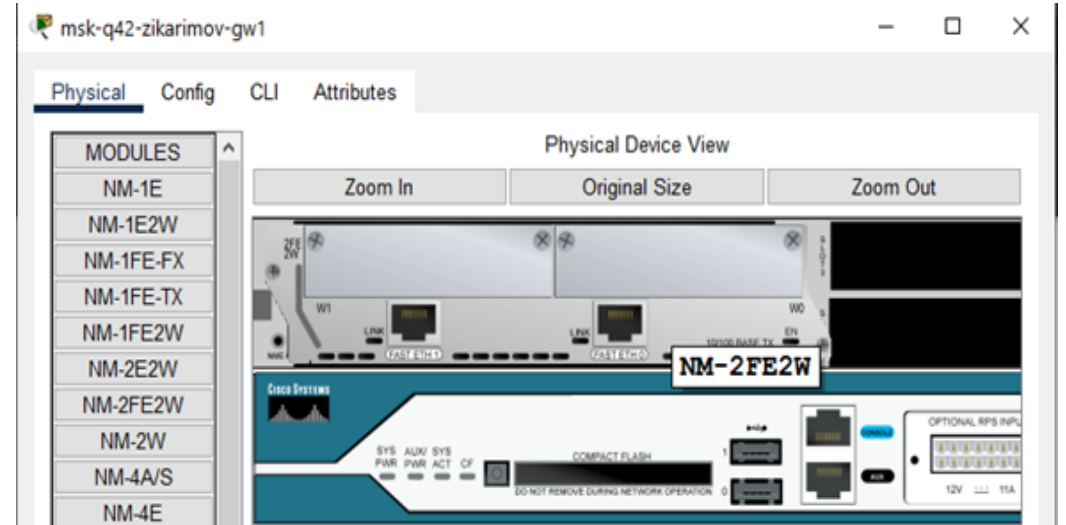
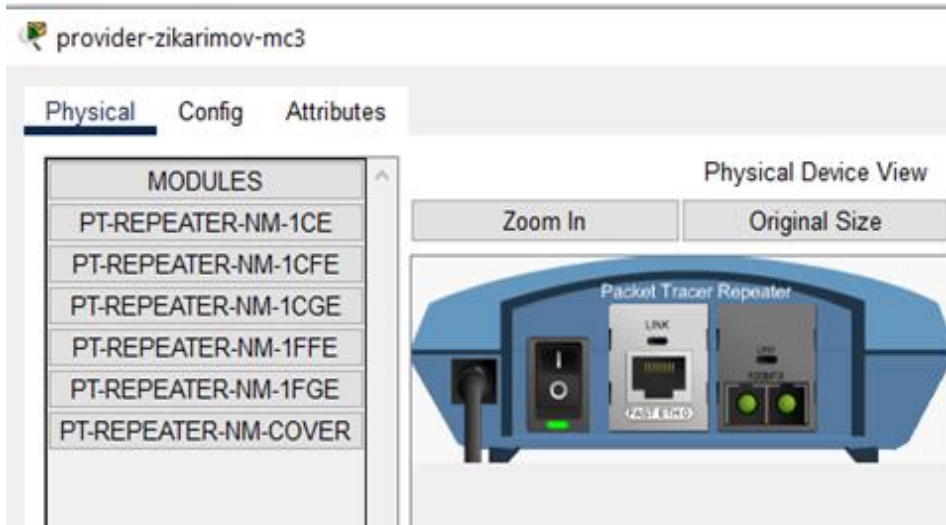
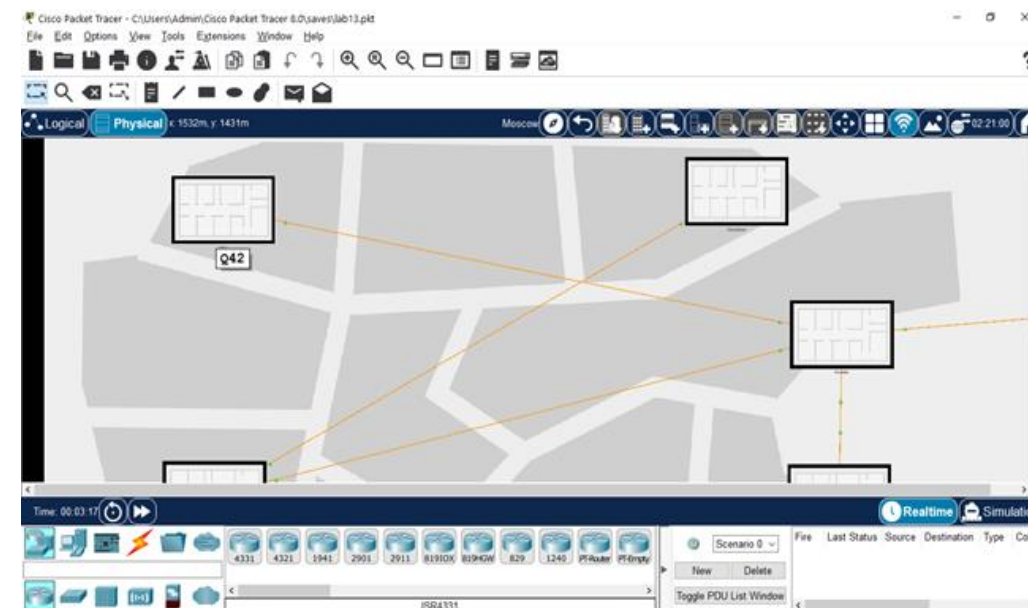
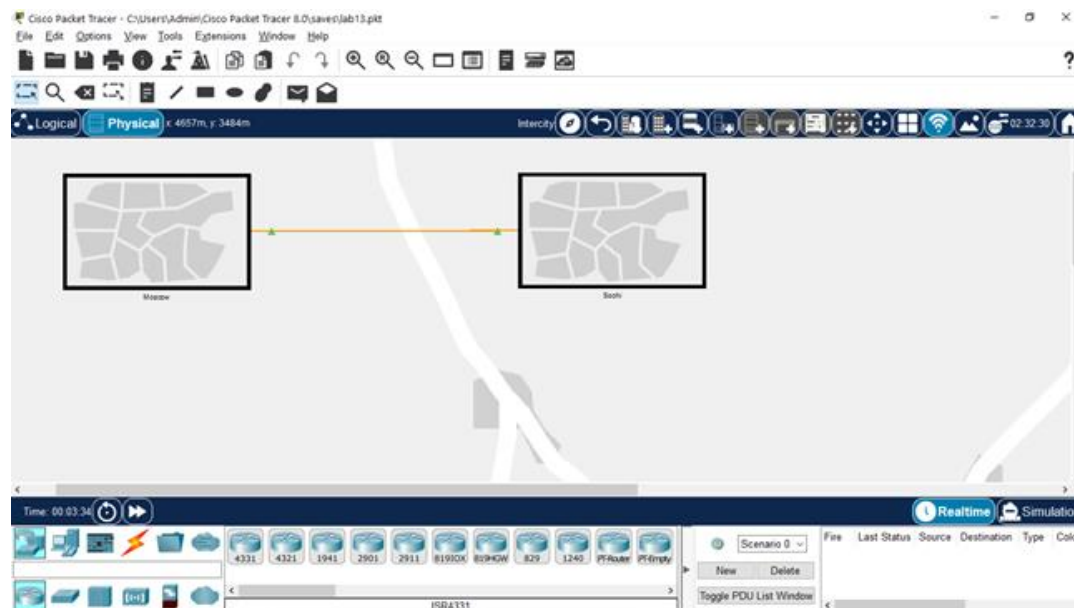
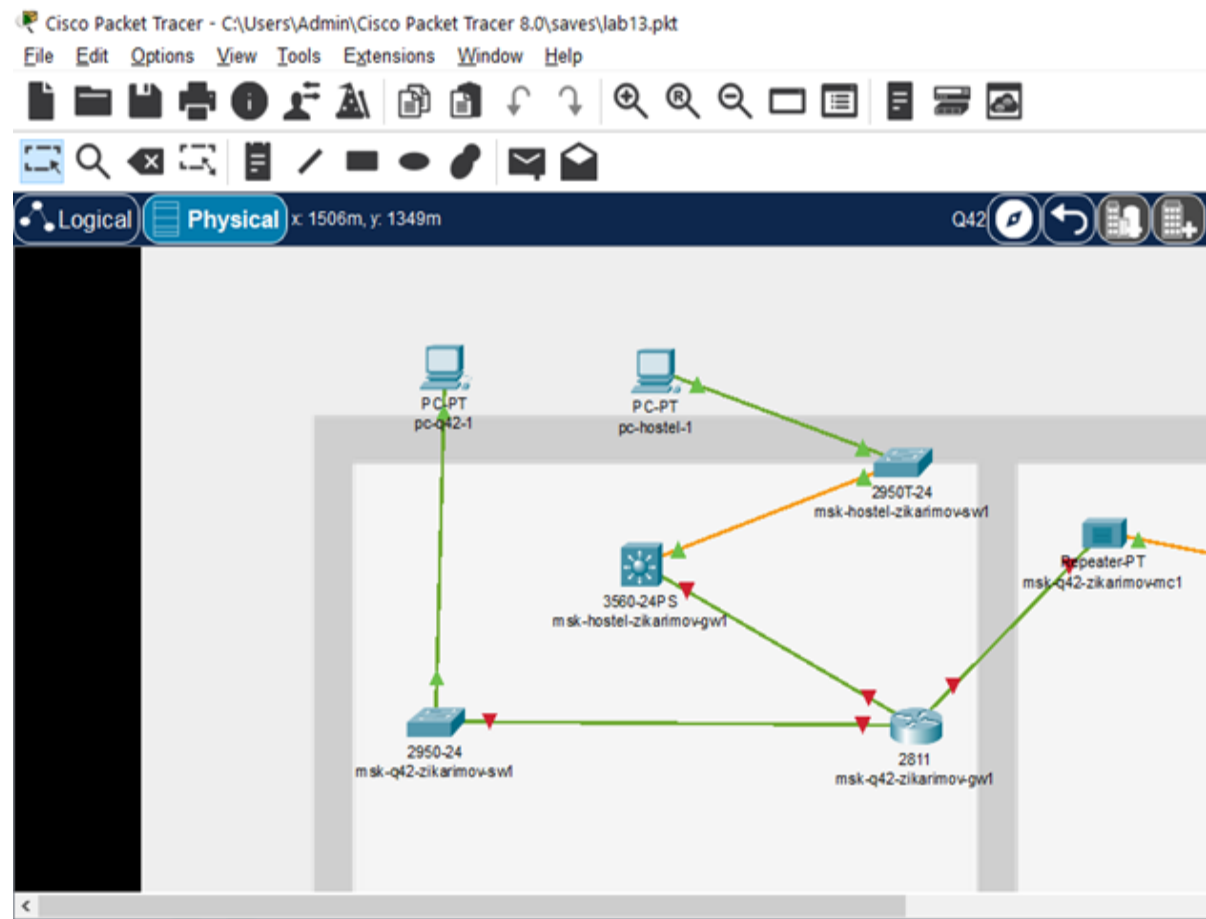
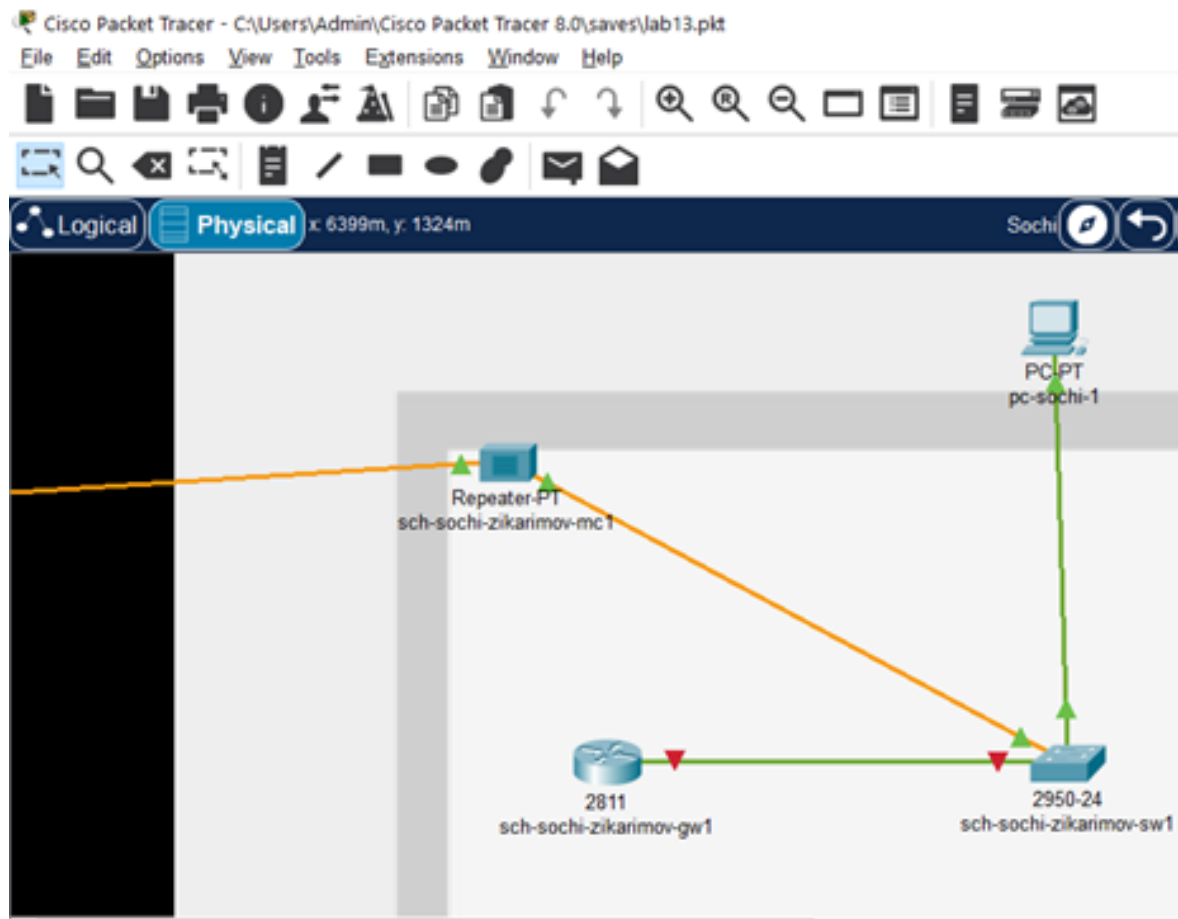


Таблица IP		
IP-адреса	Примечание	VLAN
10.128.0.0/16	Вся сеть	3
10.128.0.0/24	Серверная ферма	
10.128.0.1	Шлюз	
10.128.0.2	WEB	
10.128.0.3	File	
10.128.0.4	Mail	
10.128.0.5	DNS	
10.128.0.6-10.128.0.254	Зарезервировано	
10.128.1.0/24	Управление	2
10.128.1.1	Шлюз	
10.128.1.2	msk-konkova-zikarimov-sw1	
10.128.1.3	msk-konkova-zikarimov-sw2	
10.128.1.4	msk-konkova-zikarimov-sw3	
10.128.1.5	msk-konkova-zikarimov-sw4	
10.128.1.6	msk-obrucheva-zikarimov-sw1	
10.128.1.6-10.128.1.254	Зарезервировано	
10.128.2.0/24	Сеть Point-to-Point	
10.128.2.1	Шлюз	
10.128.2.2-10.128.2.254	Зарезервировано	

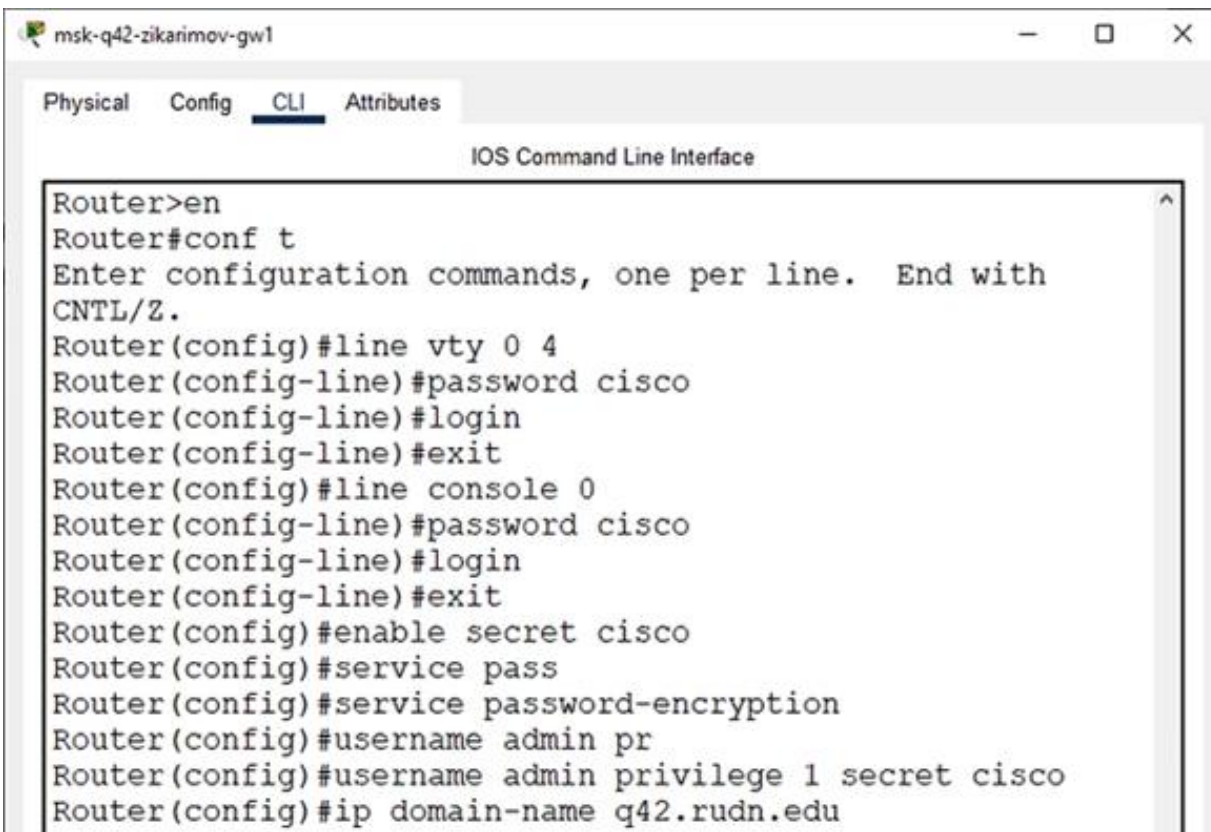




ФИЗИЧЕСКАЯ РАБОЧАЯ ОБЛАСТЬ PAKKET TRACER



ПЕРВОНАЧАЛЬНАЯ НАСТРОЙКА



```
msk-q42-zikarimov-gw1
Physical Config CLI Attributes
IOS Command Line Interface
Router>en
Router#conf t
Enter configuration commands, one per line. End with
CNTL/Z.
Router(config)#line vty 0 4
Router(config-line)#password cisco
Router(config-line)#login
Router(config-line)#exit
Router(config)#line console 0
Router(config-line)#password cisco
Router(config-line)#login
Router(config-line)#exit
Router(config)#enable secret cisco
Router(config)#service pass
Router(config)#service password-encryption
Router(config)#username admin pr
Router(config)#username admin privilege 1 secret cisco
Router(config)#ip domain-name q42.rudn.edu
```

```
Router(config)#hostname msk-q42-zikarimov-gw1
msk-q42-zikarimov-gw1(config)#crypto key generate rsa
The name for the keys will be: msk-q42-zikarimov-
gw1.q42.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-q42-zikarimov-gw1(config)#line vty 0 4
*Mar 1 0:13:12.680: %SSH-5-ENABLED: SSH 1.99 has been
enabled
msk-q42-zikarimov-gw1(config-line)#transp
msk-q42-zikarimov-gw1(config-line)#transport input ssh
msk-q42-zikarimov-gw1(config-line)#exit
```

LAYER 3

