# Лабораторная работа №14

Статическая маршрутизация в Интернете. Настройка

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### Цель работы

Настроить взаимодействие через сеть провайдера посредством статической маршрутизации локальной сети организации с сетью основного здания, расположенного в 42-м квартале в Москве, и сетью филиала, расположенного в г. Сочи.

- 1. Настроить связь между территориями.
- 2. Настроить оборудование, расположенное в квартале 42 в Москве.
- 3. Настроить оборудование, расположенное в филиале в г. Сочи.
- 4. Настроить статическую маршрутизацию между территориями.
- 5. Настроить статическую маршрутизацию на территории квартала 42 в г. Москве.
- 6. Настроить NAT на маршрутизаторе msk-donskaya-gw-1.
- 7. При выполнении работы необходимо учитывать соглашение об именовании.

Выполнение лабораторной работы

```
provider-dmbelicheva-sw-l#conf t
Enter configuration commands one per line End with CNTL/2
provider-dmbelicheva-sw-1(config) #int f0/3
provider-dmbelicheva-sw-l(config-if) #switchport mode trunk
provider-dabelicheva-av-1(config-if)#
$LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to down
#LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to up
provider-dmbelicheva-sw-l(config-if) #exit
provider-dmbelicheva-sw-1(config)fint f0/4
provider-dmbelicheva-sw-1(config-if) #switchport mode trunk
provider-debelicheva-sw-1(config-if)#
$LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4, changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4, changed state to up
provider-dmbelicheva-sw-l(config-if) #exit
provider-debelicheva-sw-1(config)#vlan 5
provider-dmbelicheva-sw-1(config-vlan)#name g42
provider-debelicheva-sw-1(config-vlan) fewir
provider-debelicheva-sw-1(config) #int vlan5
provider-dmbelicheva-sw-1(config-if)#
ALTEM-5-CHANGED: Interface Vians, changed state to up
$LINEPROTO-5-UPDOWN: Line protocol on Interface Vian5, changed state to up
provider-dabelicheva-sw-l(config-if) #no shutdown
provider-dmbelicheva-sw-l(config-if) #exit
provider-debalicheva-av-1 (config) #vlan 6
provider-dabelicheva-sw-1(config-vlan) #name sochi
provider-dmbelicheva-sw-1(config-vlan) #exit
provider-debalicheva-ew-1 (config) fint wland
provider-dmbelicheva-sw-1(config-if)#
%LINK-5-CHANGED: Interface Vlan6, changed state to up
$LINEPROTO-S-UPDOWN: Line protocol on Interface Vland, changed state to up
provider-debalicheva-ev-l(config-if) inc. shutdown
provider-dmbelicheva-sw-1(config-if) fexit
```

Рис. 1: Настройка интерфейсов коммутатора provider-dmbelicheva-sw-1

```
msk-donskava-dmhelicheva-dw-l>en
Password:
msk-donskava-dmbelicheva-gw-l#conf t
Enter configuration commands, one per line. End with CNTL/Z.
msk-donskava-dmbelicheva-gw-1(config) #int f0/1.5
msk-donskava-dmbelicheva-gw-l(config-subif)#
$LINK-5-CHANGED: Interface FastEthernet0/1.5, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1.5. changed state to up
msk-donskava-dmbelicheva-gw-l(config-subif) #encapsulation dot10 5
msk-donskaya-dmbelicheva-gw-1(config-subif) #ip address 10.128.255.1 255.255.255.252
msk-donskaya-dmbelicheva-gw-1(config-subif) #description q42
msk-donskava-dmbelicheva-gw-1(config-subif) #exit
msk-donskava-dmbelicheva-gw-1(config)#int f0/1.6
msk-donskava-dmbelicheva-gw-l(config-subif)#
%LINK-5-CHANGED: Interface FastEthernetO/1.6, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1.6, changed state to up
msk-donskava-dmbelicheva-gw-1(config-subif) #encapsulation dot10 6
msk-donskava-dmbelicheva-gw-1(config-subif) #ip address 10.128.255.5 255.255.255.252
msk-donskaya-dmbelicheva-gw-l(config-subif) #description sochi
msk-donskava-dmbelicheva-gw-1(config-subif) fexit
msk-donskava-dmbelicheva-dw-l(confid) #exit
msk-donskava-dmbelicheva-gw-1#
%SYS-5-CONFIG I: Configured from console by console
```

Рис. 2: Настройка интерфейсов маршрутизатора msk-donskaya-dmbelicheva-gw-1

```
msk-g42-dmbelicheva-gw-l#conf t
Enter configuration commands, one per line. End with CNTL/2.
msk-g42-dmbelicheva-gw-1(config)#int f0/1
msk-q42-dmbelicheva-qw-1(config-if) #no shutdown
msk-q42-dmbelicheva-gw-1(config-if)#
%LINK-5-CHANGED: Interface FastEthernetO/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernetO/1, changed state to up
msk-g42-dmbelicheva-gw-l(config-if) #exit
msk-q42-dmbelicheva-gw-1(config) #int f0/1.5
msk-g42-dmbelicheva-gw-1(config-subif)#
%LINK-5-CHANGED: Interface FastEthernet0/1.5, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1.5, changed state to up
msk-g42-dmbelicheva-gw-1(config-subif)#encapsulation dot10 5
msk-q42-dmbelicheva-gw-1(config-subif) #ip address 10.128.255.2 255.255.255.252
msk-q42-dmbelicheva-gw-1(config-subif) #description donskava
msk-q42-dmbelicheva-qw-1(config-subif) #exit
msk-q42-dmbelicheva-qw-1(config) #exit
msk-cr42-dmbelicheva-crw-1#
ASYS-5-CONFIG I: Configured from console by console
```

Рис. 3: Настройка интерфейсов маршрутизатора msk-q42-dmbelicheva-gw-1

```
sch-sochi-dmbelicheva-sw-1>en
Password:
sch-sochi-dmbelicheva-sw-l#conf t
Enter configuration commands, one per line. End with CNTL/Z.
sch-sochi-dmbelicheva-sw-l(config)#int f0/23
sch-sochi-dmbelicheva-sw-l(config-if) #switchport mode trunk
sch-sochi-dmbelicheva-sw-l(config-if) #exit
sch-sochi-dmbelicheva-sw-1(config) #int f0/24
sch-sochi-dmbelicheva-sw-1(config-if) #switchport mode trunk
sch-sochi-dmbelicheva-sw-l(config-if)#exit
sch-sochi-dmbelicheva-sw-1(config)#vlan 6
sch-sochi-dmbelicheva-sw-l(config-vlan) #name sochi
sch-sochi-dmbelicheva-sw-l(config-vlan) #exit
sch-sochi-dmbelicheva-sw-l(config) #int vlan6
sch-sochi-dmbelicheva-sw-l(config-if)#
%LINK-5-CHANGED: Interface Vlan6, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan6, changed state to up
sch-sochi-dmbelicheva-sw-1(config-if) #no shutdown
sch-sochi-dmbelicheva-sw-l(config-if) #exit
sch-sochi-dmbelicheva-sw-1(config) #^Z
sch-sochi-dmbelicheva-sw-1#
%SYS-5-CONFIG I: Configured from console by console
```

Рис. 4: Настройка интерфейсов коммутатора sch-sochi-dmbelicheva-sw-1

```
sch-sochi-dmbelicheva-gw-1>en
Password:
sch-sochi-dmbelicheva-gw-l#conf t
Enter configuration commands, one per line. End with CNTL/2.
sch-sochi-dmbelicheva-gw-1(config) #int f0/0
sch-sochi-dmbelicheva-gw-1(config-if) #no shutdown
sch-sochi-dmbelicheva-gw-1(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
sch-sochi-dmbelicheva-gw-1(config-if) #exit
sch-sochi-dmbelicheva-qw-1(config) #int f0/0.6
sch-sochi-dmbelicheva-gw-l(config-subif)#
%LINK-5-CHANGED: Interface FastEthernet0/0.6. changed state to up
sch-sochi-dmbelicheva-gw-1(config-subif) #encapsulation dot10 6
sch-sochi-dmbelicheva-gw-1(config-subif) #ip address 10.128.255.6 255.255.255
sch-sochi-dmbelicheva-gw-1(config-subif)#description donskava
sch-sochi-dmbelicheva-gw-l(config-subif) #exit
sch-sochi-dmbelicheva-gw-1(config) #^Z
sch-sochi-dmbelicheva-dw-1#
%SYS-5-CONFIG I: Configured from console by console
sch-sochi-dmbelicheva-gw-l#wr m
```

Рис. 5: Настройка интерфейсов маршрутизатора sch-sochi-dmbelicheva-gw-1

```
mak-m42-dmhelicheva-mx-l(confid) tint f0/0
msk-g42-dmbelicheva-gw-l(config-if)#no shutdown
mak-q42-dmbelicheva-qw-1(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernetO/O, changed state to up
msk-g42-dmbelicheva-gw-l(config-if)#exit
msk-g42-dmbelicheva-gw-1(config)#int f0/0,201
msk-g42-dmbelicheva-gw-1(config-subif)#
%LINK-5-CHANGED: Interface FastEthernet0/0.201, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0.201, changed state to up
msk-q42-dmbelicheva-gw-1(config-subif)#encapsulation dot1Q 201
msk-q42-dmbelicheva-gw-1(config-subif) #ip address 10.129.0.1 255.255.255.0
msk-g42-dmbelicheva-gw-1(config-subif)#description g42main
msk-q42-dmbelicheva-gw-1(config-subif) #exit
mak-q42-dmbelicheva-qw-1(config)#int f1/0
mak-q42-dmbelicheva-qw-1(config-if) #no shutdown
msk-g42-dmbelicheva-gw-1(config-if)#
$LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up
msk-q42-dmbelicheva-qw-1(config-if) #exit
mak-rd2-dmhelicheva-rw-1(confict fint f1/0.202
msk-q42-dmbelicheva-qw-1(config-subif)#
%LINK-5-CHANGED: Interface FastEthernet1/0.202, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0.202, changed state to up
mak-od2-dmbalichaya-ou-1(config-aubif)fancapaulation_dot10_202
msk-q42-dmhalicheva-qv-1(config-subif) #in address 10.129.1.1 255.255.255.0
msk-q42-dmbelicheva-qw-1(config-subif)#description q42management
msk-gd2-dwhelicheva-gw-1(config-subif)#description gd2-management
mak-q42-dmbelicheva-qw-1(config-subif)fexit
mak-rd2-dmbalicheva-rnu-1(confic) #07
```

Рис. 6: Настройка интерфейсов маршрутизатора msk-q42-dmbelicheva-gw-1

```
msk-q42-dmbelicheva-sw-l#conf t
Enter configuration commands, one per line. End with CNTL/2.
msk-g42-dmbelicheva-sw-1(config)#int f0/24
msk-g42-dmbelicheva-sw-1(config-if)#switchport mode trunk
msk-g42-dmbelicheva-sw-1(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/24, changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/24, changed state to up
msk-q42-dmbelicheva-sw-1(config) #inf f0/1
% Invalid input detected at '^' marker.
msk-q42-dmbelicheva-sw-1(config) #int f0/1
msk-q42-dmbelicheva-sw-1(config-if) #switchport mode access
msk-q42-dmbelicheva-sw-1(config-if) #switchport access vlan 201
& Access VLAN does not exist. Creating vlan 201
msk-q42-dmbelicheva-sw-1(config-if) #exit
msk-q42-dmbelicheva-sw-1(config)#vlan 201
msk-q42-dmbelicheva-sw-1(config-vlan) #name q42-main
msk-g42-dmbelicheva-sw-1(config-vlan) #exit
msk-q42-dmbelicheva-sw-1(config) #int vlan201
msk-g42-dmbelicheva-sw-1(config-if)#
%LINK-5-CHANGED: Interface Vlan201, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan201, changed state to up
msk-g42-dmbelicheva-sw-1(config-if)#no shutdown
msk-g42-dmbelicheva-sw-l(config-if) #exit
msk-g42-dmbelicheva-sw-1(config) #^Z
```

Рис. 7: Настройка интерфейсов коммутатора msk-q42-dmbelicheva-sw-1

```
inter configuration commands, one per line, and with UNIL/4.
msk-hostel-dmbelicheva-gw-1(config) #int g0/1
msk-hostel-dmbelicheva-gw-l(config-if)#switchport trunk encapsulation dotlg
msk-hostel-dmbelicheva-gw-1(config-if)#switchport mode trunk
msk-hostel-dmbelicheva-dw-l(config-if)#
%LINEFROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up
mak-hostel-dahalichaya-my-l(config-if) favit
mak-hostel-dmhelicheva-dw-l(confid)fint f0/1
msk-hostel-dmbelicheva-gw-l(config-if)#switchport trunk encapsulation dotlg
msk-hostel-dmbelicheva-qw-l(config-if) #switchport mode trunk
msk-hostel-dmbelicheva-qw-1(config-if)#
$LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernetO/1, changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernetO/1, changed state to up
mak-hostel-dahelicheva-du-l(confid-if) fevit
msk-hostel-dmbelicheva-qw-1(config)#vlan 202
msk-hostel-dmbelicheva-gw-1(config-vlan)#name g42management
msk-hostel-dmbelicheva-gw-1(config-vlan)#exit
mak-hostel-dahelicheva-dy-1(confid)#ylan 301
msk-hostel-dmbelicheva-gw-1(config-ylan)#name hostel-main
mak-hostel-dahelicheva-qu-1 (config-vlan) fewir
mak-hostel-dehelicheva-dv-1(confid)fint vlan202
msk-hostel-dmbelicheva-gw-1(config-if)#
%LINK-5-CHANGED: Interface Vlan202, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan202, changed state to up
mak-hostel-debelicheva-my-l(config-if)ino abutdown
msk-hostel-dmbelicheva-qw-1(config-if) fip address 10.129.1.2 255.255.255.0
mak-hostel-dmbelicheva-gw-1(config-if) #exit
mak-hostel-debalicheva-dw-1(confid)fint vlan301
msk-hostel-dmbelicheva-gw-1(config-if)#
%LINK-5-CHANGED: Interface Vlan301, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan301, changed state to up
mak-hostel-dahalicheva-ov-liconfic-ifikno abutdown
mek_hostel_dmhelicheva_dv_1(config_if)&in_address 10.129.128.1 255.255.255.0
msk-hostel-dmbelicheva-qw-1(config-if)fexit
msk-hostel-dmbelicheva-gw-1(config) #^Z
```

Рис. 8: Настройка интерфейсов маршрутизирующего коммутатора msk-hostel-dmbelicheva-gw-1

```
rassworu.
mask-hostel-dmhelicheva-sw-liconf t
Enter configuration commands, one per line. End with CNTL/Z.
mask-hostel-dmbelicheva-sw-1(config) #int g0/1
mask-hostel-dmbelicheva-sw-1(config-if) #switchport mode trunk
mask-hostel-dmbelicheva-sw-l(config-if) #exit
mask-hostel-dmbelicheva-sw-1(config) #int f0/1
mask-hostel-dmbelicheva-sw-l(config-if) #switchport mode access
mask-hostel-dmbelicheva-sw-1(config-if) #switchport access vlan 301
& Access VLAN does not exist. Creating vlan 301
mask-hostel-dmbelicheva-sw-l(config-if) #exit
mask-hostel-dmbelicheva-sw-1(config) #vlan 301
mask-hostel-dmbelicheva-sw-l(config-vlan) #name hostel-main
mask-hostel-dmbelicheva-sw-1(config-vlan) #exit
mask-hostel-dmbelicheva-sw-1(config) #int vlan301
mask-hostel-dmbelicheva-sw-1(config-if)#
%LINK-5-CHANGED: Interface Vlan301, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan301, changed state to up
mask-hostel-dmbelicheva-sw-l(config-if) #no shutdown
mask-hostel-dmhelicheva-sw-l(config-if) fexit
mask-hostel-dmbelicheva-sw-l(config)#
```

Рис. 9: Настройка интерфейсов коммутатора msk-hostel-dmbelicheva-sw-1

#### Настройка площадки в Сочи

```
sch-sochi-dmbelicheva-gw-1>en
Password:
sch-sochi-dmbelicheva-gw-l#conf t
Enter configuration commands, one per line. End with CNTL/Z.
sch-sochi-dmbelicheva-gw-1(config) #int f0/0.401
sch-sochi-dmbelicheva-gw-1(config-subif) #
%LINK-5-CHANGED: Interface FastEthernet0/0.401, changed state to up
sch-sochi-dmbelicheva-dw-l(config-subif) #encapsulation dot10 401
sch-sochi-dmbelicheva-gw-1(config-subif) #ip address 10.130.0.1 255.255.255.0
sch-sochi-dmbelicheva-gw-1(config-subif) #description sochimain
sch-sochi-dmbelicheva-gw-1(config-subif) #exit
sch-sochi-dmbelicheva-gw-1(config) #int f0/0.401
sch-sochi-dmbelicheva-gw-l(config-subif) #description sochi-main
sch-sochi-dmbelicheva-gw-l(config-subif) #exit
sch-sochi-dmbelicheva-gw-l(config) #int f0/0.402
sch-sochi-dmbelicheva-gw-1(config-subif) #
%LINK-5-CHANGED: Interface FastEthernet0/0.402, changed state to up
sch-sochi-dmbelicheva-gw-1(config-subif) #encapsulation dot10 402
sch-sochi-dmbelicheva-gw-1(config-subif) #ip address 10.130.1.1 255.255.255.0
sch-sochi-dmbelicheva-gw-l(config-subif) #description sochi-management
sch-sochi-dmbelicheva-gw-l(config-subif) #exit
sch-sochi-dmbelicheva-gw-1(config) #^Z
sch-sochi-dmbelicheva-dw-l#
%SYS-5-CONFIG I: Configured from console by console
sch-sochi-dmbelicheva-dw-l#wr m
```

Рис. 10: Настройка интерфейсов маршрутизатора sch-sochi-dmbelicheva-gw-1

```
sch-sochi-dmbelicheva-sw-l(config)#int f0/1
sch-sochi-dmbelicheva-sw-l(config-if) #switchport mode access
sch-sochi-dmbelicheva-sw-1(config-if) #switchport access vlan 401
% Access VLAN does not exist. Creating vlan 401
sch-sochi-dmbelicheva-sw-l(config-if) #exit
sch-sochi-dmbelicheva-sw-1(config)#vlan 401
sch-sochi-dmbelicheva-sw-1(config-vlan) #name sochi-main
sch-sochi-dmbelicheva-sw-1(config-vlan) #exit
sch-sochi-dmbelicheva-sw-l(config) #int vlan401
sch-sochi-dmbelicheva-sw-l(config-if)#
%LINK-5-CHANGED: Interface Vlan401, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan401, changed state to up
sch-sochi-dmbelicheva-sw-l(config-if) #no shutdown
sch-sochi-dmbelicheva-sw-1(config-if) #exit
sch-sochi-dmbelicheva-sw-1(config) #^Z
sch-sochi-dmbelicheva-sw-l#
%SYS-5-CONFIG I: Configured from console by console
sch-sochi-dmbelicheva-sw-l#wr m
Building configuration ...
```

Рис. 11: Настройка интерфейсов коммутатора sch-sochi-sw-1

# Настройка маршрутизации между площадками

```
mak-donakkya-dubelioheva-gw-1#conf t
Enter configuration commands, one per line. End with CNTL/2.
mak-donakkya-dubelioheva-gw-1(config)#ip route 10.129.0.0 255.255.0.0 10.128.255.2
mak-donakkya-dubelioheva-gw-1(config)#ip route 10.130.0.0 255.255.0.0 10.128.255.6
mak-donakkya-dubelioheva-gw-1(config)#*Z
mak-donakkya-dubelioheva-gw-1(config)#*Z
#k-donakkya-dubelioheva-gw-1(config)#*Z
#k-donakkya-dubelioheva-gw-1(config)#*Z
#k-donakkya-dubelioheva-gw-1(config)#*Z
```

Рис. 12: Настройка маршрутизатора msk-donskaya-gw-1

# Настройка маршрутизации между площадками

```
Password:
mak-q42-dmbelicheva-gw-lfconf t
Enter configuration commands, one per line. End with CNTL/Z.
mak-q42-dmbelicheva-gw-l(config) fip route 0.0.0.0 0.0.0.0 10.128.255.1
mak-q42-dmbelicheva-gw-l(config) f*Z
mak-q42-dmbelicheva-gw-lf
$$$SS-5-CNNIG_I: Configured from console by console

msk-q42-dmbelicheva-gw-lfwr m
```

Рис. 13: Настройка маршрутизатора msk-q42-gw-1

# Настройка маршрутизации между площадками

```
Sch-sochi-dmbelicheva-gw-l$conf t
Enter configuration commands, one per line. End with CNTL/2.
sch-sochi-dmbelicheva-gw-l(config)$1p route 0.0.0.0 0.0.0.0 10.128.255.5
sch-sochi-dmbelicheva-gw-l(config)$2
sch-sochi-dmbelicheva-gw-l$
$$YS-5-CONFIG_I: Configured from console by console
```

Рис. 14: Настройка маршрутизатора sch-sochi-gw-1

# Настройка маршрутизации на 42 квартале

Рис. 15: Настройка маршрутизатора msk-q42-gw-1

# Настройка маршрутизации на 42 квартале

```
Enter contiquration commands, one per line. End with CNIL/Z.
msk-hostel-dmbelicheva-gw-1(config)#ip routing
msk-hostel-dmbelicheva-gw-1(config)#ip route 0.0.0.0 0.0.0.0 10.129.1.1
msk-hostel-dmbelicheva-gw-1(config)#72
msk-hostel-dmbelicheva-gw-1#
%SYS-5-CONFIG_I: Configured from console by console
```

Рис. 16: Настройка интерфейсов маршрутизирующего коммутатора msk-hostel-gw-1

## Настройка NAT на маршрутизаторе msk-donskaya-gw-1

```
msk-donskava-dmbelicheva-gw-1>en
Passwords
msk-donskava-dmbelicheva-ow-l#conf t
Enter configuration commands, one per line. End with CNTL/2.
msk-donskava-dmbelicheva-gw-1 (config) #ip route 10.129.0.0 255.255.0.0 10.128.255.2
msk-donskaya-dmbelicheva-gw-1(config) #ip route 10.130.0.0 255.255.0.0 10.128.255.6
msk-donskava-dmbelicheva-gw-1(config)#^2
msk-donskava-dmbelicheva-gw-1#
ASYS-5-CONFIG I: Configured from console by console
msk-donskava-dmbelicheva-dw-l#wr m
Building configuration ...
[OK]
msk-donskaya-dmbelicheva-gw-l#conf t
Enter configuration commands, one per line. End with CNTL/2.
mak-donakaya-dahelicheya-my-1(confict)fint f0/1.5
msk-donskaya-dmbelicheva-gw-l(config-subif) #ip nat inside
mak-donakaya-debelicheya-my-1 (config-subif) fexit
msk-donskava-dmbelicheva-gw-1(config) fint f0/1.6
msk-donskava-dmhelicheva-dw-l(config-subif) fin nat inside
msk-donskava-dmbelicheva-gw-l(config-subif) #exit
msk-donskaya-dmbelicheva-gw-l(config) #ip access-list extended nat-inet
msk-donskava-dshelicheva-gw-1(config-ext-nacl) #remark g42
msk-donskaya-dmbelicheva-gw-1(config-ext-nacl) *permit ip host 10.129.0.200 any
msk-donskava-dmbelicheva-gw-1(config-ext-nacl) spermit in host 10,129,128,200 any
msk-donskava-dmbelicheva-gw-1(config-ext-nacl) fremark sochi
msk-donskaya-dmbelicheva-gw-1(config-ext-nacl) *permit ip host 10.130.0.200 any
msk-donskava-dmbelicheva-ow-l(config-ext-nacl) fexit
mak-donakaya-dmhelicheya-my-1(confict#07
msk-donskava-dmbelicheva-dw-1#
$SYS-5-CONFIG I: Configured from console by console
mak-donakava-dmbelicheva-gw-l#wr m
Building configuration ...
1001
makudonakavaudehalichavauceuli
```

Рис. 17: Настройка NAT на маршрутизаторе msk-donskaya-gw-1

#### Проверка настроек

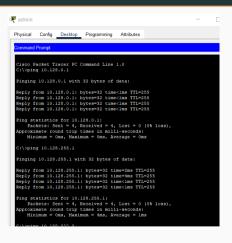


Рис. 18: Проверка доступа администратора с Донской к маршуртизирующим устройствам

#### Проверка настроек

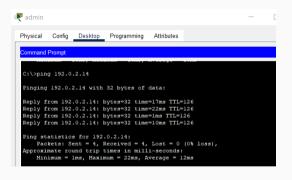


Рис. 19: Проверка доступа в Интернет

В результате выполнения лабораторной были приобретены практические навыки по настройке взаимодействие через сеть провайдера посредством статической маршрутизации локальной сети организации с сетью основного здания, расположенного в 42-м квартале в Москве, и сетью филиала, расположенного в г. Сочи.