

Настройка NAT

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ЦЕЛЬ РАБОТЫ

Приобретение практических навыков по настройке доступа локальной сети к внешней сети посредством NAT.

```
provider-agsargsyan-gw-1>
provider-agsargsyan-gw-1>en
provider-agsargsyan-gw-1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
provider-agsargsyan-gw-1(config)#line vty 0 4
provider-agsargsyan-gw-1(config-line)#password cisco
provider-agsargsyan-gw-1(config-line)#login
provider-agsargsyan-gw-1(config-line)#exit
provider-agsargsyan-gw-1(config)#line console 0
provider-agsargsyan-gw-1(config-line)#password cisco
provider-agsargsyan-gw-1(config-line)#login
provider-agsargsyan-gw-1(config-line)#exit
provider-agsargsyan-gw-1(config)#enable secret cisco
provider-agsargsyan-gw-1(config)#service password-encryption
provider-agsargsyan-gw-1(config)#username admin privilege 1 secret cisco
provider-agsargsyan-gw-1(config)#
```

```
provider-agsargsyan-sw-1>en
provider-agsargsyan-sw-1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
provider-agsargsyan-sw-1(config)#line vty 0 4
provider-agsargsyan-sw-1(config-line)#password cisco
provider-agsargsyan-sw-1(config-line)#login
provider-agsargsyan-sw-1(config-line)#exit
provider-agsargsyan-sw-1(config)#line console 0
provider-agsargsyan-sw-1(config-line)#password cisco
provider-agsargsyan-sw-1(config-line)#login
provider-agsargsyan-sw-1(config-line)#exit
provider-agsargsyan-sw-1(config)#enable secret cisco
provider-agsargsyan-sw-1(config)#service password-encryption
                                     ^
% Invalid input detected at '^' marker.

provider-agsargsyan-sw-1(config)#service password-encryption
provider-agsargsyan-sw-1(config)#username admin privilege 1 secret cisco
provider-agsargsyan-sw-1(config)#
```

Building configuration...

[OK]

msk-donskaya-agarsargyan-gw-1#en

msk-donskaya-agarsargyan-gw-1#conf t

Enter configuration commands, one per line. End with CNTL/Z.

msk-donskaya-agarsargyan-gw-1(config)#ip nat pool main-pool 198.51.100.2 198.51.100.14 netmask 255.255.255.240

msk-donskaya-agarsargyan-gw-1(config)#ip access-list extended nat-inet

msk-donskaya-agarsargyan-gw-1(config-ext-nacl)#remark dk

msk-donskaya-agarsargyan-gw-1(config-ext-nacl)#permit tcp 10.128.3.0 0.0.0.255 host 192.0.2.11 eq 80

msk-donskaya-agarsargyan-gw-1(config-ext-nacl)#permit tcp 10.128.3.0 0.0.0.255 host 192.0.2.12 eq 80

msk-donskaya-agarsargyan-gw-1(config-ext-nacl)#remark departments

msk-donskaya-agarsargyan-gw-1(config-ext-nacl)#permit tcp 10.128.4.0 0.0.0.255 host 192.0.2.13 eq 80

msk-donskaya-agarsargyan-gw-1(config-ext-nacl)#remark adm

msk-donskaya-agarsargyan-gw-1(config-ext-nacl)#permit tcp 10.128.5.0 0.0.0.255 host 192.0.2.14 eq 80

msk-donskaya-agarsargyan-gw-1(config-ext-nacl)#remark admin

msk-donskaya-agarsargyan-gw-1(config-ext-nacl)#permit ip 10.128.6.200 any

^

% Invalid input detected at '^' marker.

msk-donskaya-agarsargyan-gw-1(config-ext-nacl)#permit ip host 10.128.6.200 any

msk-donskaya-agarsargyan-gw-1(config-ext-nacl)#permit ip host 10.128.6.201 any

msk-donskaya-agarsargyan-gw-1(config-ext-nacl)#

msk-donskaya-agarsargyan-gw-1#

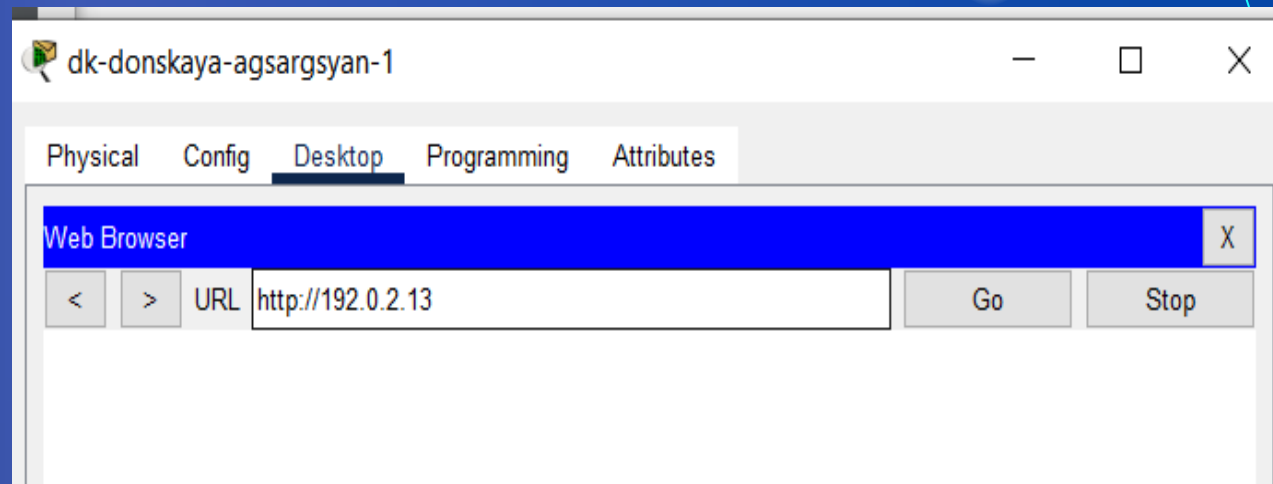
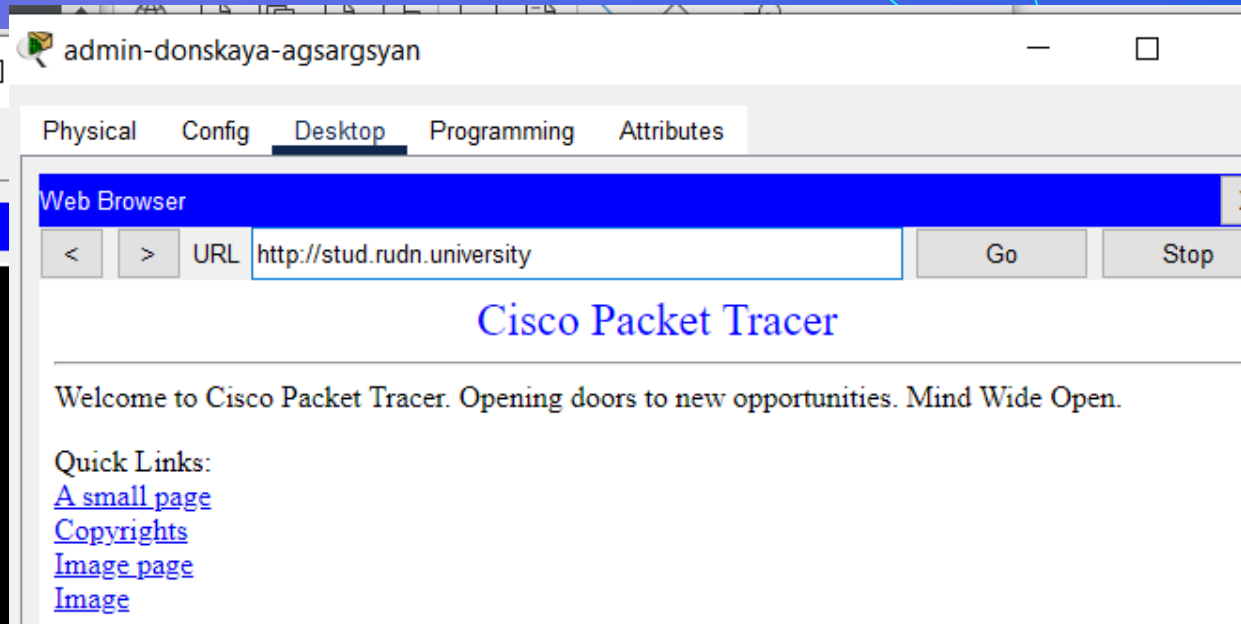
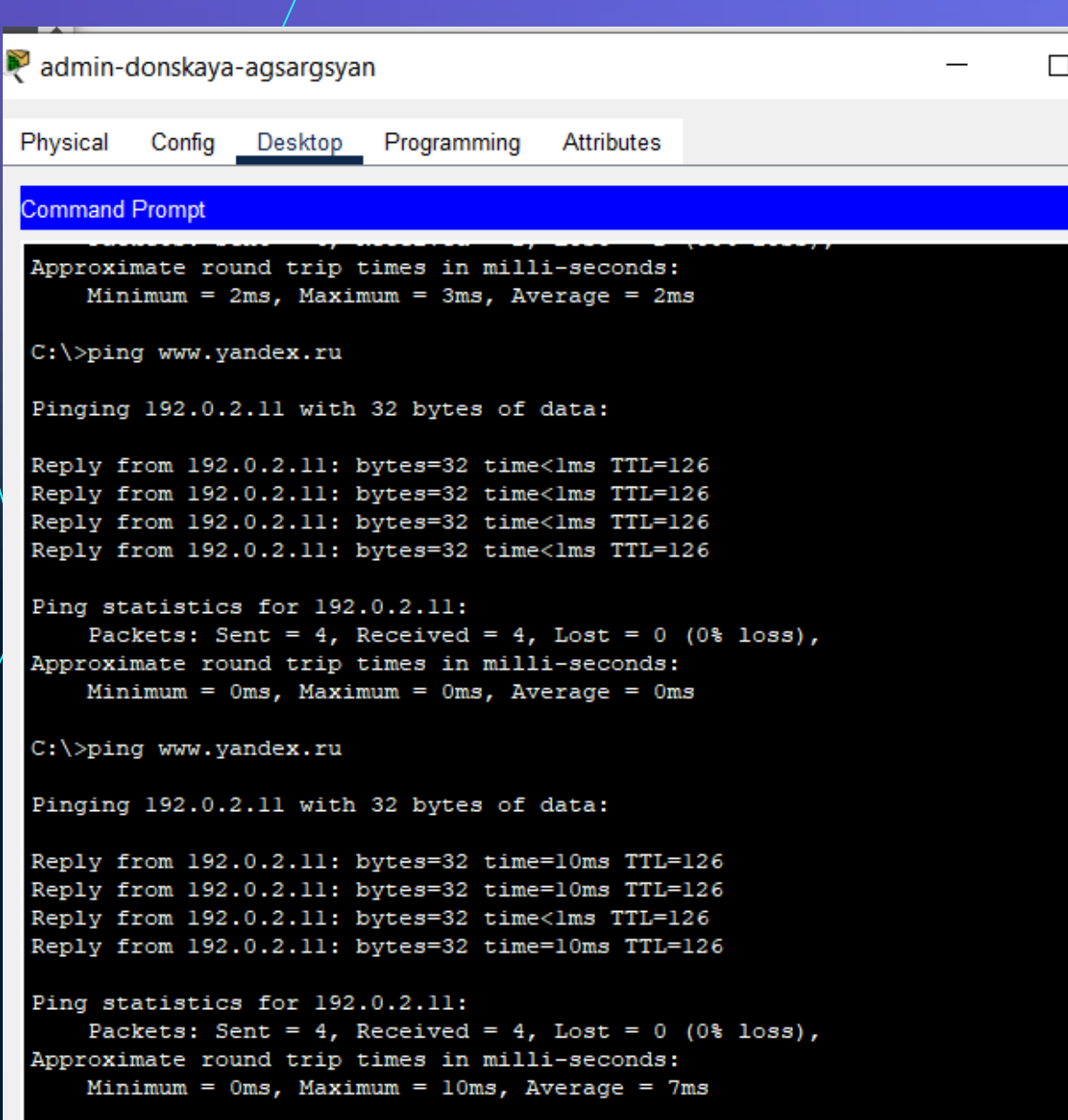
%SYS-5-CONFIG_I: Configured from console by console

msk-donskaya-agarsargyan-gw-1#wr mem

Building configuration...

[OK]

msk-donskaya-agarsargyan-gw-1#



ВЫВОД

1. Сделал первоначальную настройку provider-gw-1 и provider-sw-1 и настроил их интерфейсы.
2. Настроил интерфейсы маршрутизатора сети «Донская» для доступа к сети провайдера.
3. Настроил на маршрутизаторе сети «Донская» NAT.
4. Настроил доступ из внешней сети в локальную сеть организации.