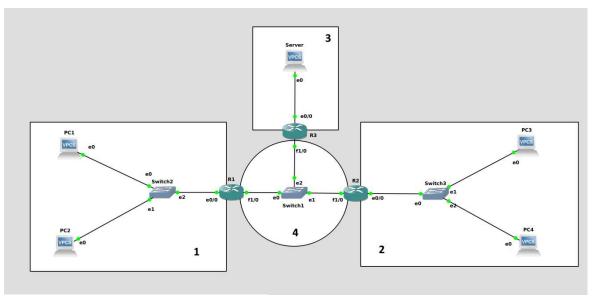
Redes de Comunicação 2020/2021

Relatório da meta intermédia

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1

Network - 193.136.212.128/26

- **R1** 193.136.212.190/26
- **PC1** 193.136.212.129/26
- **PC2** 193.136.212.130

3

Network -10.90.0.0/24

- **R3** 10.90.0.245/24
- Server 10.90.0.1/24

Comandos de configuração:

R1:

conf t

interface e0/0

ip address 193.136.212.190 255.255.255.192

no shut

exit

interface f1/0

ip address 193.136.212.225 255.255.255.248

no shut

exit

ip route 193.136.212.192 255.255.255.224 193.136.212.226

exit

R2:

conf t interface e0/0

ip address 193.136.212.222 255.255.255.224

no shut

exit

interface f1/0

ip address 193.136.212.226 255.255.255.248

no shut

exi

ip route 193.136.212.128 255.255.255.192 193.136.212.225

exit

2

Network - 193.136.212.192/27

- **R2** 193.136.212.222/27
- **PC3** 193.136.212.193/27
- **PC4** 193.136.212.194/27

4

Network - 193.136.212.224/29

- **R1** 193.136.212.225/29
- **R2** 193.136.212.226/29
- **R3** 193.136.212.227/29

R3:

conf t

interface e0/0

ip address 10.90.0.254 255.255.255.0

ip nat inside

no shut

exit

interface f1/0

ip address 193.136.212.227 255.255.255.248

ip nat outside

no shut

exit

ip route 193.136.212.128 255.255.255.192 193.136.212.225

ip route 193.136.212.192 255.255.255.224 193.136.212.226

access-list 1 permit 10.90.0.0 0.0.0.255

ip nat inside source list 1 interface f1/0 overload

ip nat inside source static tcp 10.90.0.1 80 193.136.212.227 80 exit

PC1: ip 193.136.212.129/26 193.136.212.190

PC2: ip 193.136.212.130/26 193.136.212.190

PC3: ip 193.136.212.193/27 193.136.212.222

PC4: ip 193.136.212.194/27 193.136.212.222

Server: ip 10.90.0.1/24 10.90.0.254

Ping PC1 -> (PC3 e Server)

PCI> ping 193.136.212.227 -3 -p 80 Connect 808193.136.212.227 seq-1 ttl-62 time-21.689 ms sendbata 808193.136.212.227 seq-1 ttl-62 time-27.683 ms (consect 808193.136.212.227 seq-1 ttl-62 time-27.683 ms (consect 808193.136.212.227 seq-1 ttl-62 time-27.683 ms (consect 808193.136.212.227 seq-2 ttl-62 time-27.616 ms (consect 808193.136.212.227 seq-2 ttl-62 time-24.619 ms (consect 808193.136.212.227 seq-2 ttl-62 time-24.679 ms (consect 808193.136.212.227 seq-3 ttl-62 time-24.677 ms (close 808193.136.212.277 seq-3 ttl-62 time-24.647 ms (close 808193.136.212.277 seq-3 ttl-62 time-24.647 ms (close 808193.136.212.277 seq-3 ttl-62 time-26.648 ms (close 808193.136.212.277 seq-4 ttl-62 time-26.698 ms (close 808193.136.212.277 seq-5 ttl-62 time-26.670 ms (close 808193.136.212.277 seq-5 ttl-62 time-26.670 ms (close 808193.136.212.277 seq-5 ttl-62 time-26.790 ms (close 808193.136.212.277 seq-5 ttl-62 time-27.790 ms (close 808193.136.212.277 seq-5 ttl-62 time-27.790 ms (close 808193.136.212.273 seq-5 ttl-62 time-27.790 ms (close 808193.136.212.273 seq-5 ttl-62 time-27.790 ms (close 808193.136.212.273 seq-5 ttl-62 time-27.763 ms 84 bytes from 193.136.212.193 (cmp_seq-1 ttl-62 time-27.763 ms 193.1

Ping PC3 -> (PC1 e Server)

```
PCI>> plng 193.136.212.227 sq-2 title02 time-49.924 ms sendouta 898193.136.212.227 sq-2 title02 time-49.924 ms sendouta 898193.136.212.227 sq-2 title02 time-31.844 ms close 898193.136.212.227 sq-2 title02 time-23.584 ms sendouta 898193.136.212.227 sq-2 title02 time-25.594 ms sendouta 898193.136.212.227 sq-2 title02 time-25.698 ms close 898193.136.212.227 sq-2 title02 time-25.698 ms comment 898193.136.212.227 sq-2 title02 time-25.698 ms comment 898193.136.212.227 sq-2 title02 time-25.698 ms comment 898193.136.212.227 sq-2 title02 time-36.648 ms sendouta 898193.136.212.227 sq-2 title02 time-36.648 ms sendouta 898193.136.212.227 sq-2 title02 time-36.648 ms sendouta 898193.136.212.227 sq-2 title02 time-37.644 ms sendouta 898193.136.212.2727 sq-2 title02 time-37.644 ms sendouta 898193.136.212.2727 sq-2 title02 time-37.644 ms sendouta 898193.136.212.2727 sq-2 title02 time-37.644 ms sendouta 898193.136.212.219 sq-2 title02 time-37.642 ms sendouta 898193.136.212.219 sq-2 title02 time-37.644 ms sendouta 898193.136.212.219 sq-2 titl
```

Ping Server -> (PC1 e PC3)

```
Server> ping 193.136.212.129

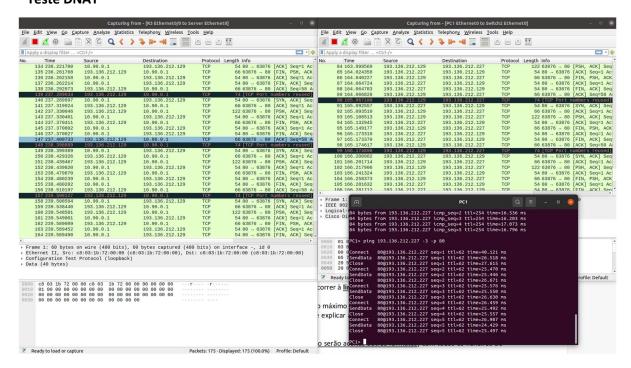
84 bytes from 193.136.212.129 icnp_seq=1 ttl=62 time=40.106 ms 84 bytes from 193.136.212.129 icnp_seq=2 ttl=62 time=26.677 ms 84 bytes from 193.136.212.129 icnp_seq=2 ttl=62 time=26.687 ms 84 bytes from 193.136.212.129 icnp_seq=4 ttl=62 time=26.227 ms 84 bytes from 193.136.212.129 icnp_seq=5 ttl=62 time=27.110 ms

Server> ping 193.136.212.193

193.136.212.193 icnp_seq=1 timeout
84 bytes from 193.136.212.193 icnp_seq=2 ttl=62 time=38.033 ms 84 bytes from 193.136.212.193 icnp_seq=3 ttl=62 time=27.542 ms 84 bytes from 193.136.212.193 icnp_seq=5 ttl=62 time=27.747 ms 84 bytes from 193.136.212.193 icnp_seq=5 ttl=62 time=27.906 ms

Server>
```

Teste DNAT



Teste SNAT

