**Experiencia4**

**S1**

* Ligar um cabo entre router ge 0/0 e uma porta qualquer disponível no switch
* Hoje a porta foi 0/9 , Ge0/1 foi 0/11
* Na consola do switch

Reederecionar porta 11 para o Vlan51 (routercisco ge0/0)

|  |
| --- |
| Configure termina  Interface fastethernet 0/9  Switchport mode access  Switchport access vlan51  end |

* Agora há que configurar o router; para isso, trocar o cabo que liga “T3” a “switch console” para ligar a “Router console”
* Login:

Username->root

Password->9nortel

* Configurar do Router

|  |
| --- |
| Configure terminal  acess-list 1 permit 172.16.50.0 0.0.0.255  access-list 1 permit 172.16.51.0 0.0.0.255  interface gigabitethernet 0/0  ip address 172.1651.254 255.255.255.0  no shutdown  ip nat inside  exit  interface gigabitethernet 0/1  ip address 172.16.1.59 255.255.255.0  no shutdown  ip nat outsider  exit  ip route 0.0.0.0 0.0.0.0….172.16.1.254  ip route 172.16.50.0 255.255.255.0 172.16.51.253  ip nat pool ovrld 172.16.1.59 172.16.1.59 prefix 24  ip nat inside source list 1 pool ovrld overload  end  show interface gigabitethernet 0/0  show interface gigabitethernet 0/1  show ip route |

**S2**

1. Para o respectivo computador, fazer:

->route –n

* Tux1

0.0.0.0 172.16.50.254 0.0.0.0 UG 0 0 0 eth0

* Tux2

0.0.0.0 172.16.51.254 0.0.0.0 UG 0 0 0 eth0

* Tux4

0.0.0.0 172.16.51.254 0.0.0.0 UG 0 0 0 eth1

b) Para o respectivo computador,fazer:

->route –n

Para o router; fazer:

->show ip route

* Tux2:

172.16.50.0 172.16.51.253 255.255.255.0 UG 0 0 0 eth0

* Router cisco:

172.16.50.0/24 [1/0] via 172.16.51.253

**S3**

No computador tux1, realizar ping às interfaces dos outros computadores e do router

* Interface E0 do tux2

->ping 172.16.51.1

* Interface E0 do tux4

->ping 172.16.50.254

* Interface E1 do tux4

->ping 172.16.51.253

* Interface Ge0/0 do router

->ping 172.16.51.254

* Interface Ge0/1 do router

->ping 172.16.1.59

**S4**

a)tux2:

->route del-net 172.16.50.0/24 gw 0.0.0.0

b)tux1:

->ping 172.16.51.1

c)(gravado como ficheiros:exp4\_passo4\_3\_add.pcap e exp4\_passo4\_3\_del.pcap)

d)

->ping 172.16.51.1

c)(gravado como ficheiros:exp4\_passo4\_3\_add.pcap e exp4\_passo4\_3\_del.pcap)

d)tux1:

->traceroute 172.16.5.1 (del)

|  |
| --- |
| 172.16.50.254 (172.16.50.254) 0.262ms 0.236ms 0.219ms  XXX  172.16.51.1 (172.16.51.1) 1.044ms 1.017ms |

e)tux1:

->route add-net 172.16.50.0/24 gw 172.16.51.253

f)tux1:

->traceroute 172.16.51.1 (add)

|  |
| --- |
| 172.16.50.254(172.16.50.254) 0.395ms 0.371ms 0.356ms  172.16.51.1(172.16.51.1) 0.549ms 0.538ms 0.525ms |

**S5**

Tux1:

->ping 172.16.1.254

**S6**

Abrindo a consola do router,fazer o seguinte:

|  |
| --- |
| Configure terminal  Interface gigabitethernet 0/0  Ip address 172.16.51.254 255.255.255.0  no shutdown  ip not inside  end  configure terminal  interface gigabitethernet 0/1  ip address 172.16.1.59 255.255.255.0  no shutdown  ip nat outsider  end  configure terminal  ip nat pool ovrld 172.16.1.59 172.16.1.59 prefix24  ip nat inside source list pool ovrl overload  end |

**S7**

Tux1:

->ping 172.16.1.254