ИНТЕРПРЕТАЦИЯ ТАБЛИЦЫ МАРШРУТИЗАЦИИ

Воссоздать модель сети на основе вывода команды show ip route (Routing_Table_Interpretation_Lab.pdf). Сопоставить адреса с соответствующими интерфейсами; настроить маршрутизаторы и проверить подключения. После завершения, результаты вывода команды show ip route должны быть в точности такими же, как исходные.

Configure an IPv4 Loopback Interface

R1# configure terminal
R1(config)# interface loopback 0
R1(config-if)# ip address 10.0.0.17 255.255.255.0

Информэйшн

https://man7.org/linux/man-pages/man8/ip-route.8.html - ман на ip route
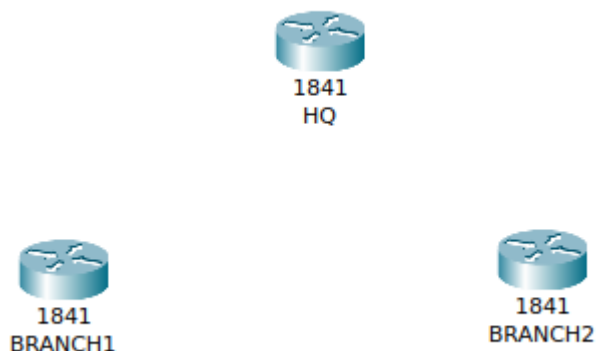https://artemsannikov.ru/cisco/packet-tracer/loopback-settings-router-cpt/ - прочитать про loop back
https://doc.s-terra.ru/rh_output/4.2/Gate/output/mergedProjects/Settings/Loopback_%D0%B8%D0%BD%D1%82%D0%B5%D1%80%D1%84%D0%B5%D0%B9%D1%81%D1%8B.htm - еще почитать про loopback
http://www.xnets.ru/plugins/content/content.php?content.245 - вот тут про loopback хорошо

Инструкция

1) Выбираем 3 роутера 1841

2) Выбираем модуль HWIC-2T и добавляем в каждый из роутеров.

Physical Config CLI Attributes

Physical Device View

| Zoom In | Original Size | Zoom Out |

MODULES
HWIC-1GE-SFP
HWIC-2T
HWIC-4ESW
HWIC-8A
HWIC-AP-AG-B
WIC-1AM
WIC-1ENET
WIC-1T
WIC-2AM
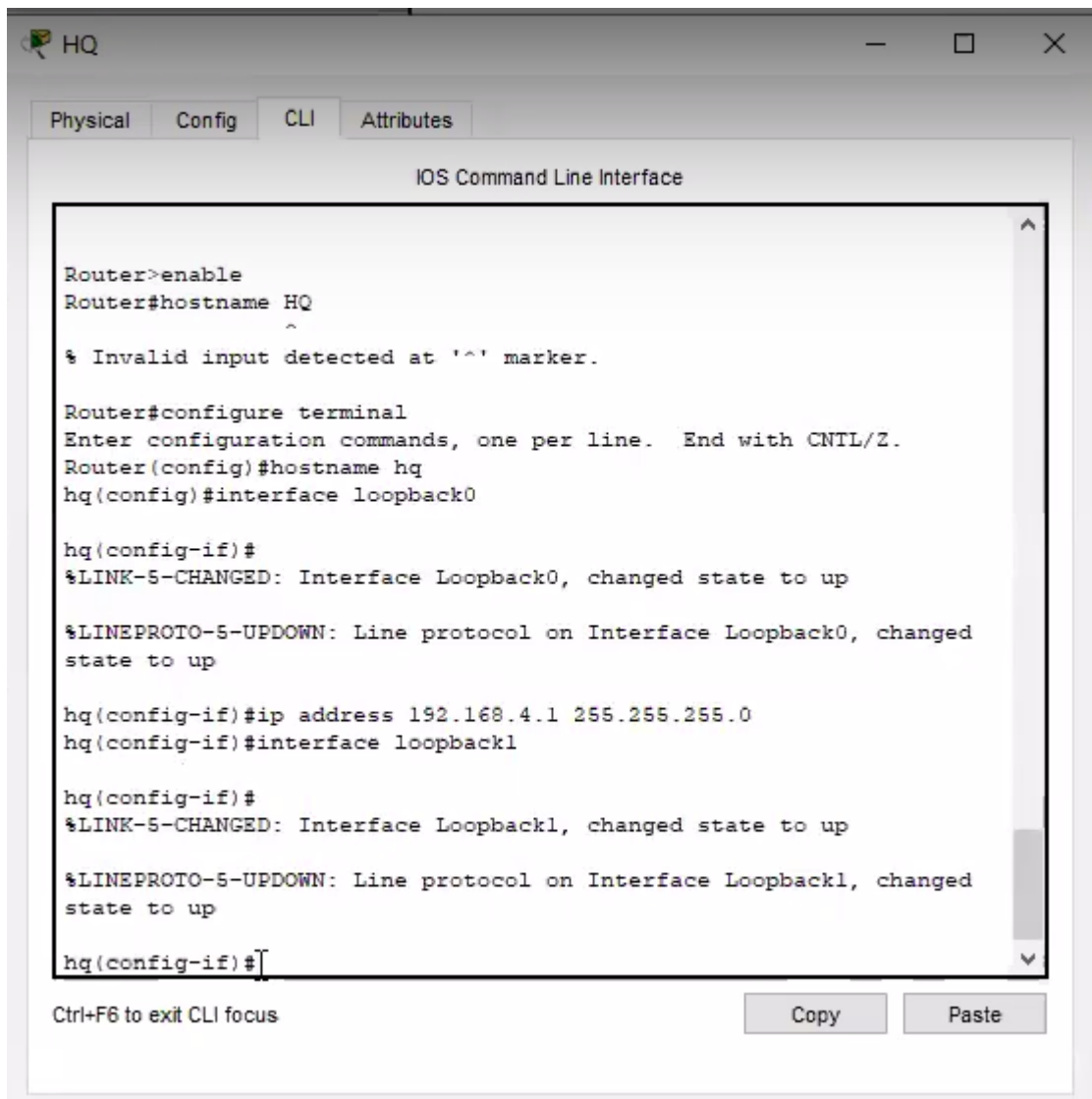WIC-2T
WIC-Cover
GLC-LH-SMD

Customize
Icon in
Physical View

Customize
Icon in
Logical View

The HWIC-2T is a Cisco 2-Port Serial High-Speed WAN Interface Card, providing 2 serial ports.

3)

```
Router>en
Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#host
Router(config)#hostname hq
hq(config)#Interface loopback0

hq(config-if)#
%LINK-5-CHANGED: Interface Loopback0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Loopback0, changed state to up

hq(config-if)#ip address 192.168.4.1 255.255.255.0
hq(config-if)#Interface loopback1

hq(config-if)#
%LINK-5-CHANGED: Interface Loopback1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Loopback1, changed state to up

4)  hq(config-if)#
```

моё

```
% Invalid input detected at '^' marker.

Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#hostname hq
hq(config)#interface loopback0

hq(config-if)#
%LINK-5-CHANGED: Interface Loopback0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Loopback0, changed
state to up

hq(config-if)#ip address 192.168.4.1 255.255.255.0
hq(config-if)#interface loopback1

hq(config-if)#
%LINK-5-CHANGED: Interface Loopback1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Loopback1, changed
state to up

hq(config-if)#ip address 192.168.5.1 255.255.255
                                        ^
% Invalid input detected at '^' marker.

hq(config-if)#ip address 192.168.5.1 255.255.255.0
hq(config-if)#
```

Ctrl+F6 to exit CLI focus   Copy   Paste

5)

```
hq>
hq>en
hq#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
hq(config)#Interface Loo
hq(config)#Interface Loopback1
hq(config-if)#ip address 192.168.5.1 255.255.255.0
hq(config-if)#Interface Loopback2

hq(config-if)#
%LINK-5-CHANGED: Interface Loopback2, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Loopback2, changed state to up

hq(config-if)#ip address 192.168.6.1 255.255.255.0
hq(config-if)#
```

6)

мое

7)

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface Loopback1, changed
state to up

hq(config-if)#ip address 192.168.5.1 255.255.255
                                     ^
% Invalid input detected at '^' marker.

hq(config-if)#ip address 192.168.5.1 255.255.255.0
hq(config-if)#interface loopback2

hq(config-if)#
%LINK-5-CHANGED: Interface Loopback2, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Loopback2, changed
state to up

hq(config-if)#ip address 192.168.6.1 255.255.255.0
hq(config-if)#interface Serial0/0/0
hq(config-if)#ip address 10.10.10.254
% Incomplete command.
hq(config-if)#ip address 10.10.10.254 255.255.255.0
hq(config-if)#no ip address 10.10.10.254 255.255.255.0
hq(config-if)#ip address 10.10.10.254 255.255.255.252
hq(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to down
hq(config-if)#
```

Ctrl+F6 to exit CLI focus   Copy   Paste

8)

```
hq(config-if)#
%LINK-5-CHANGED: Interface Loopback2, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Loopback2, changed
state to up

hq(config-if)#ip address 192.168.6.1 255.255.255.0
hq(config-if)#interface Serial0/0/0
hq(config-if)#ip address 10.10.10.254
% Incomplete command.
hq(config-if)#ip address 10.10.10.254 255.255.255.0
hq(config-if)#no ip address 10.10.10.254 255.255.255.0
hq(config-if)#ip address 10.10.10.254 255.255.255.252
hq(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to down
hq(config-if)#
```

Ctrl+F6 to exit CLI focus   Copy   Paste

9)

```
hq(config)#interface Serial0/0/0
hq(config-if)#ip address 10.10.10.254 255.255.255.252
hq(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to down
hq(config-if)#
```

mine

```
hq(config-if)#interface Serial0/0/1
hq(config-if)#ip address 172.16.100.2 255.255.255.252
hq(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/0/1, changed state to down
```

10)
```
hq(config-if)#
```

```
hq#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile,
B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter
area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external
type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E -
EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia -
IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is not set

C    192.168.4.0/24 is directly connected, Loopback0
C    192.168.5.0/24 is directly connected, Loopback1
C    192.168.6.0/24 is directly connected, Loopback2

hq#
```

11)

12)