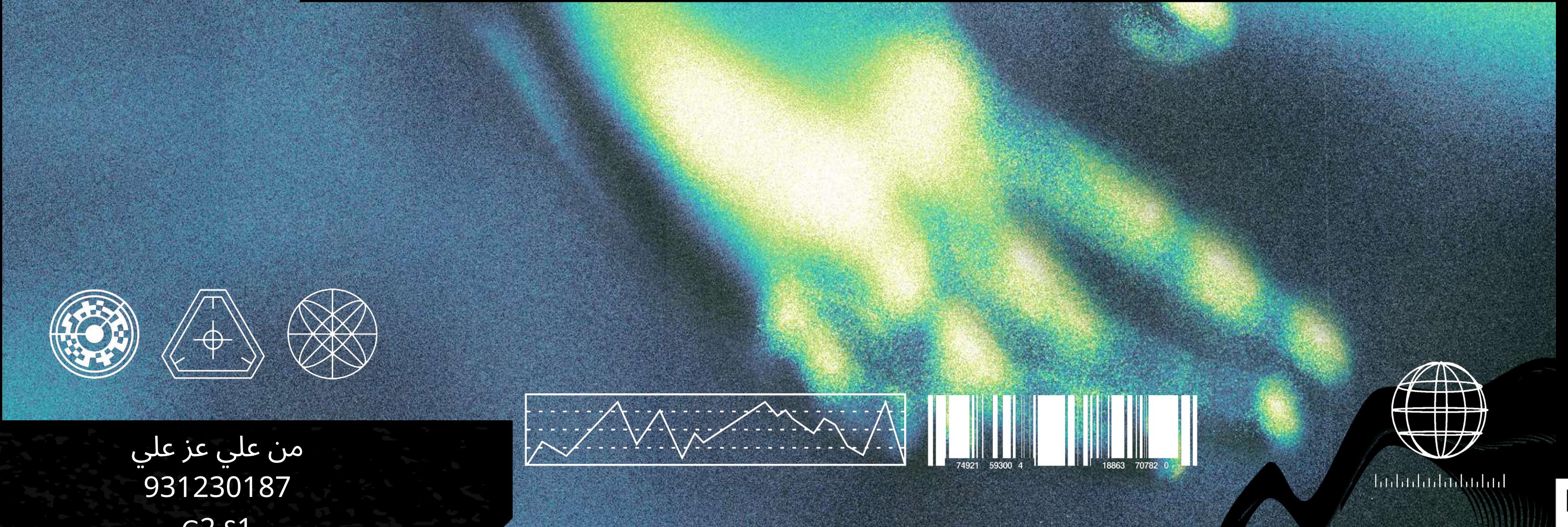
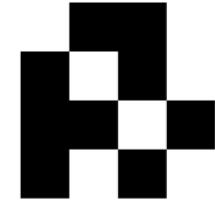
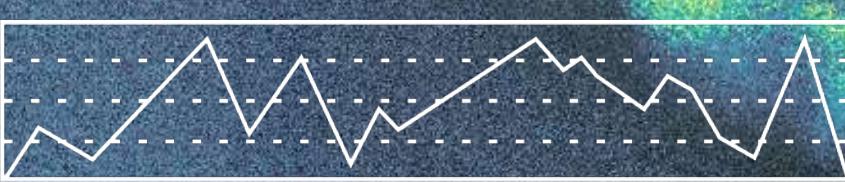


مشروع الشبكات



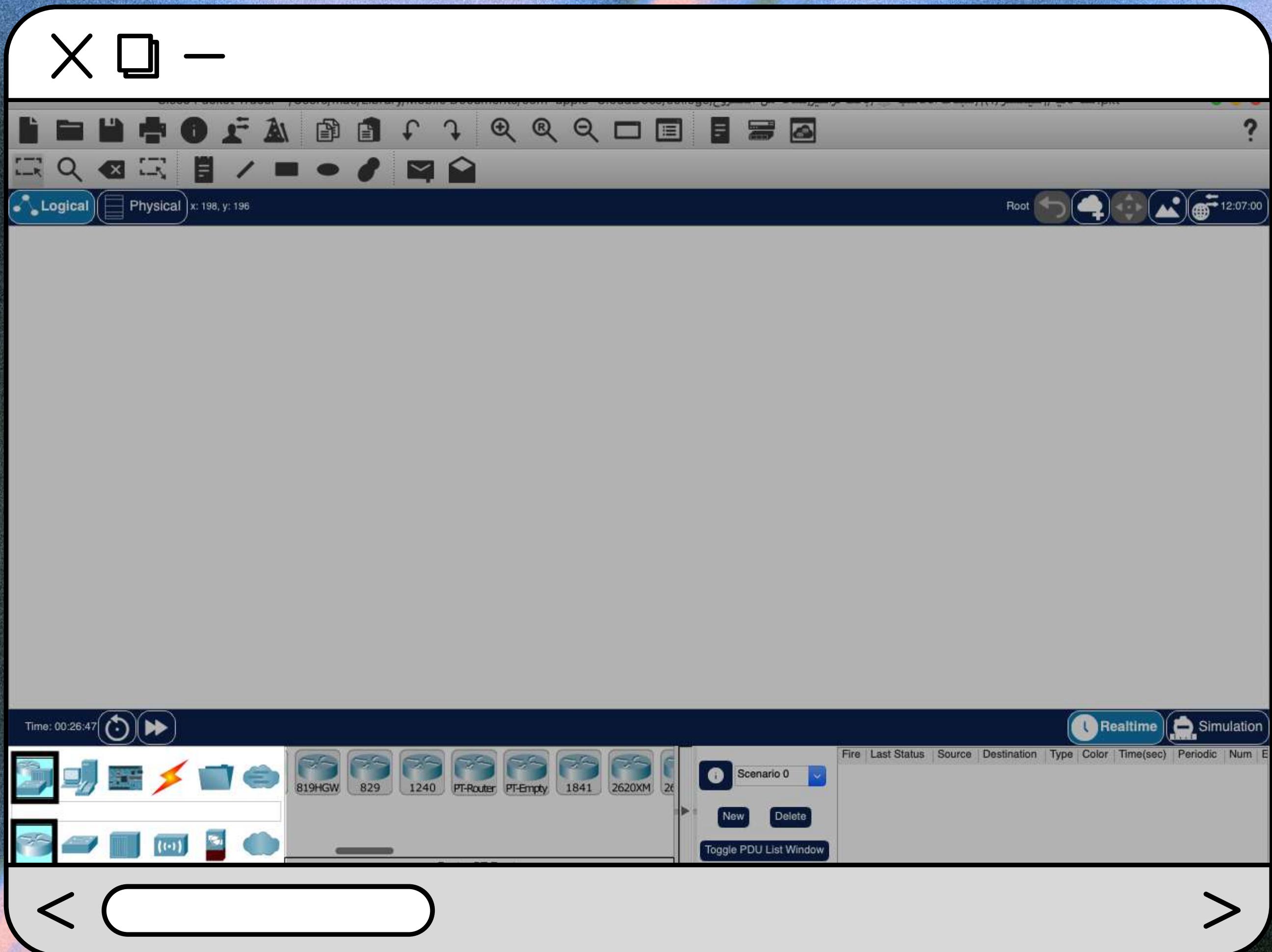
من علي عز علي
931230187
G2,S1

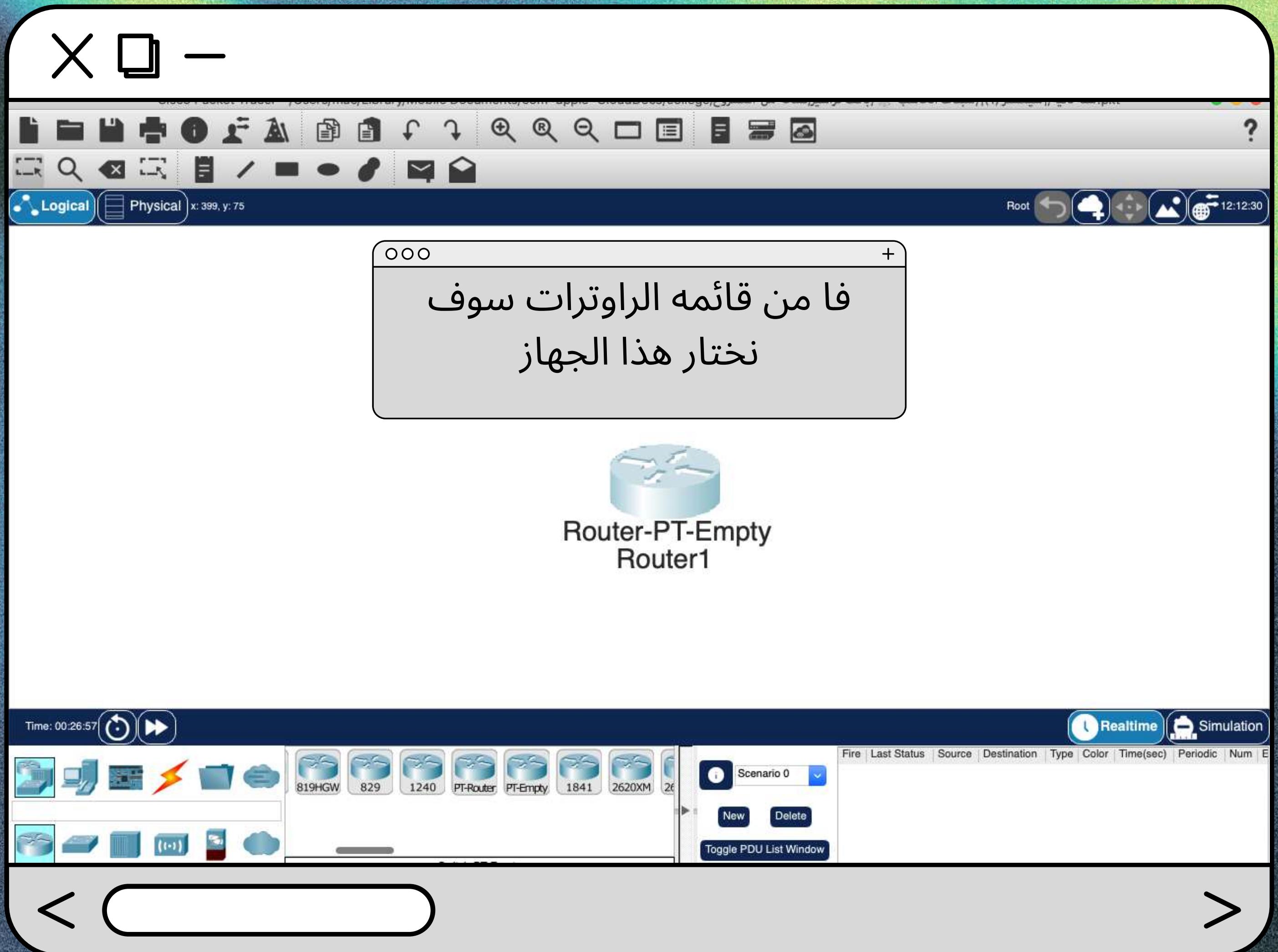




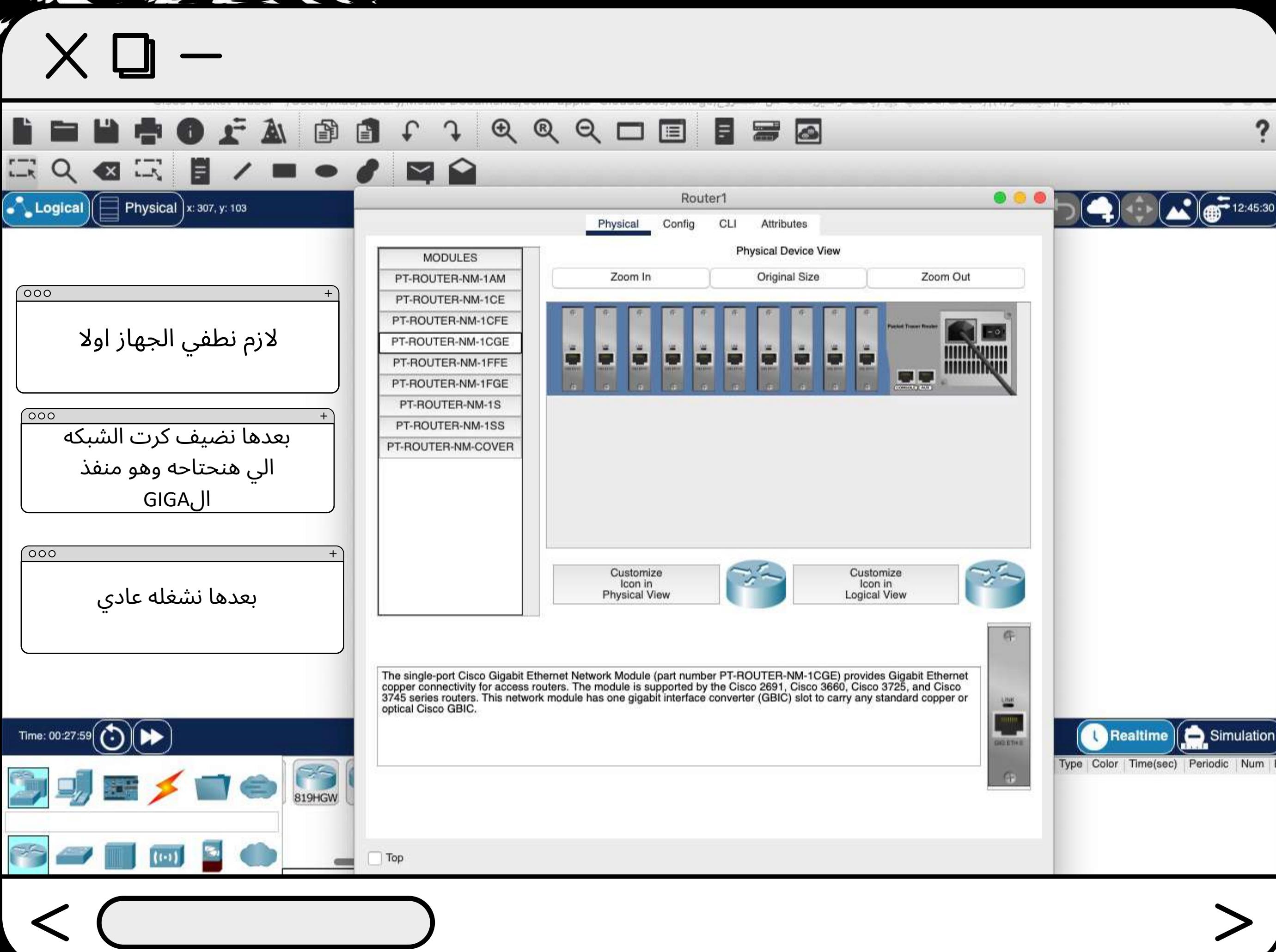
في بدايه المشروع يجب ان
نختار نوع الجهاز المناسب

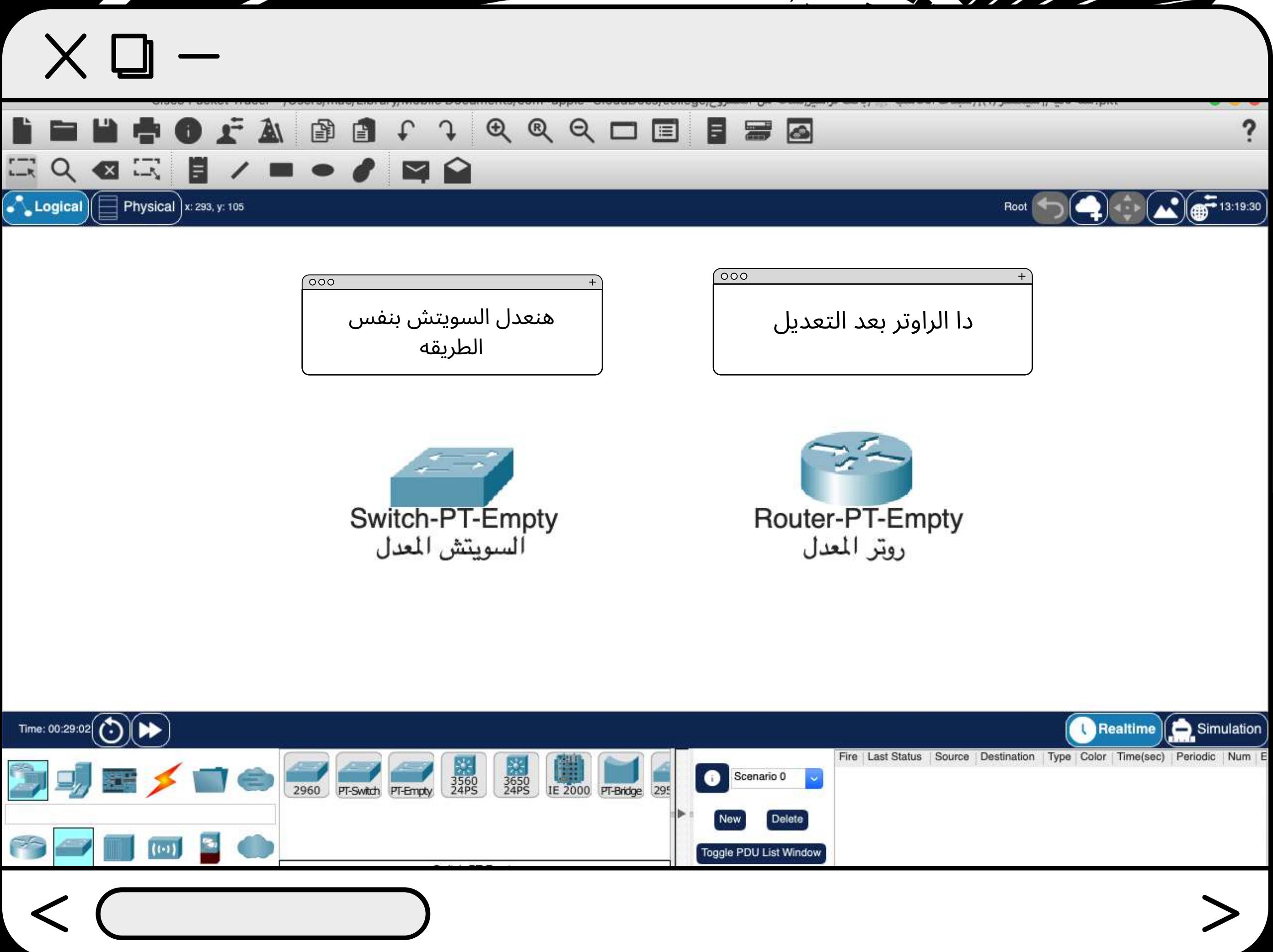
لان الجهاز سوف يحدد طريقه
تكوين الشبكه (Bear)

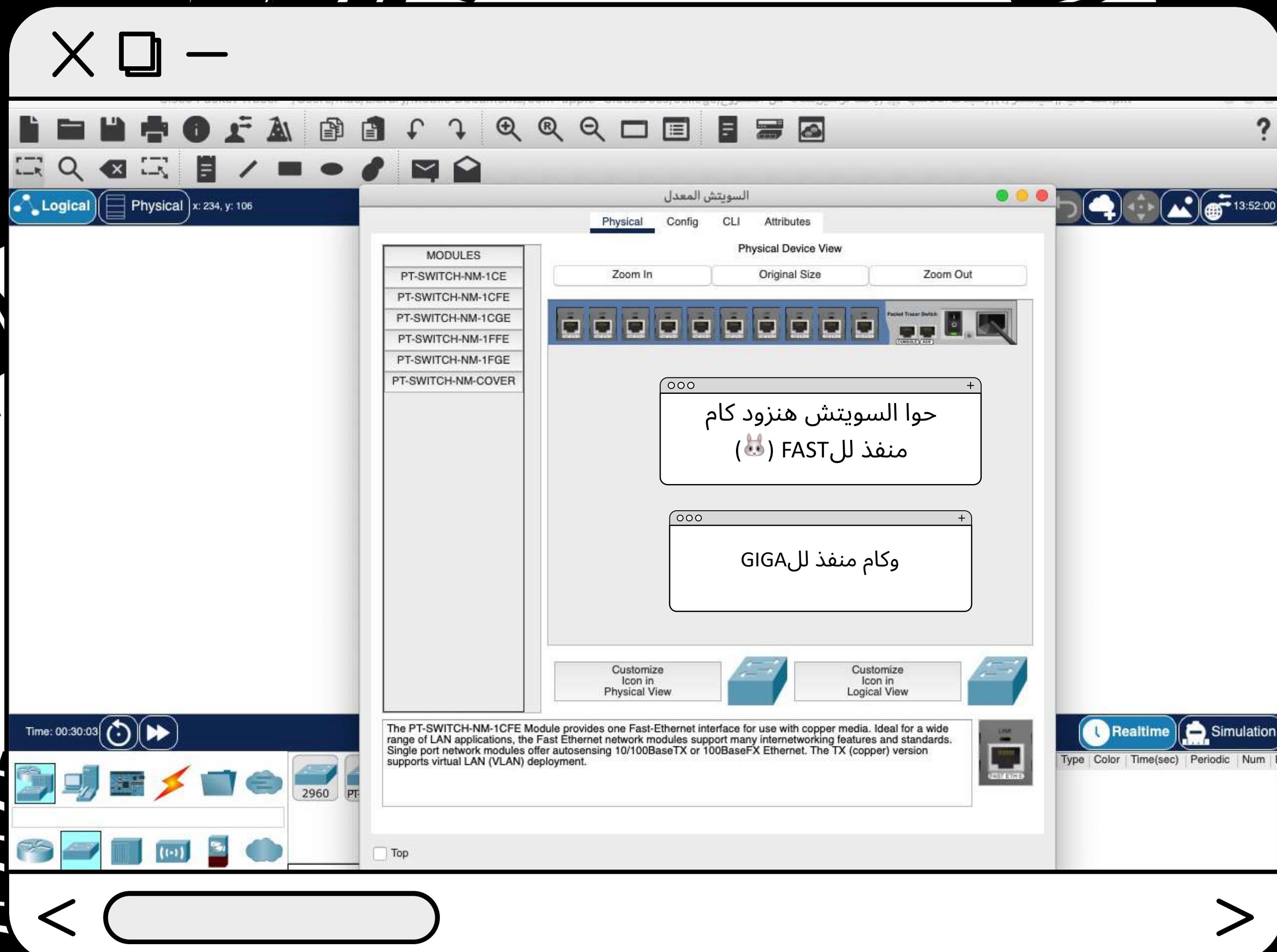


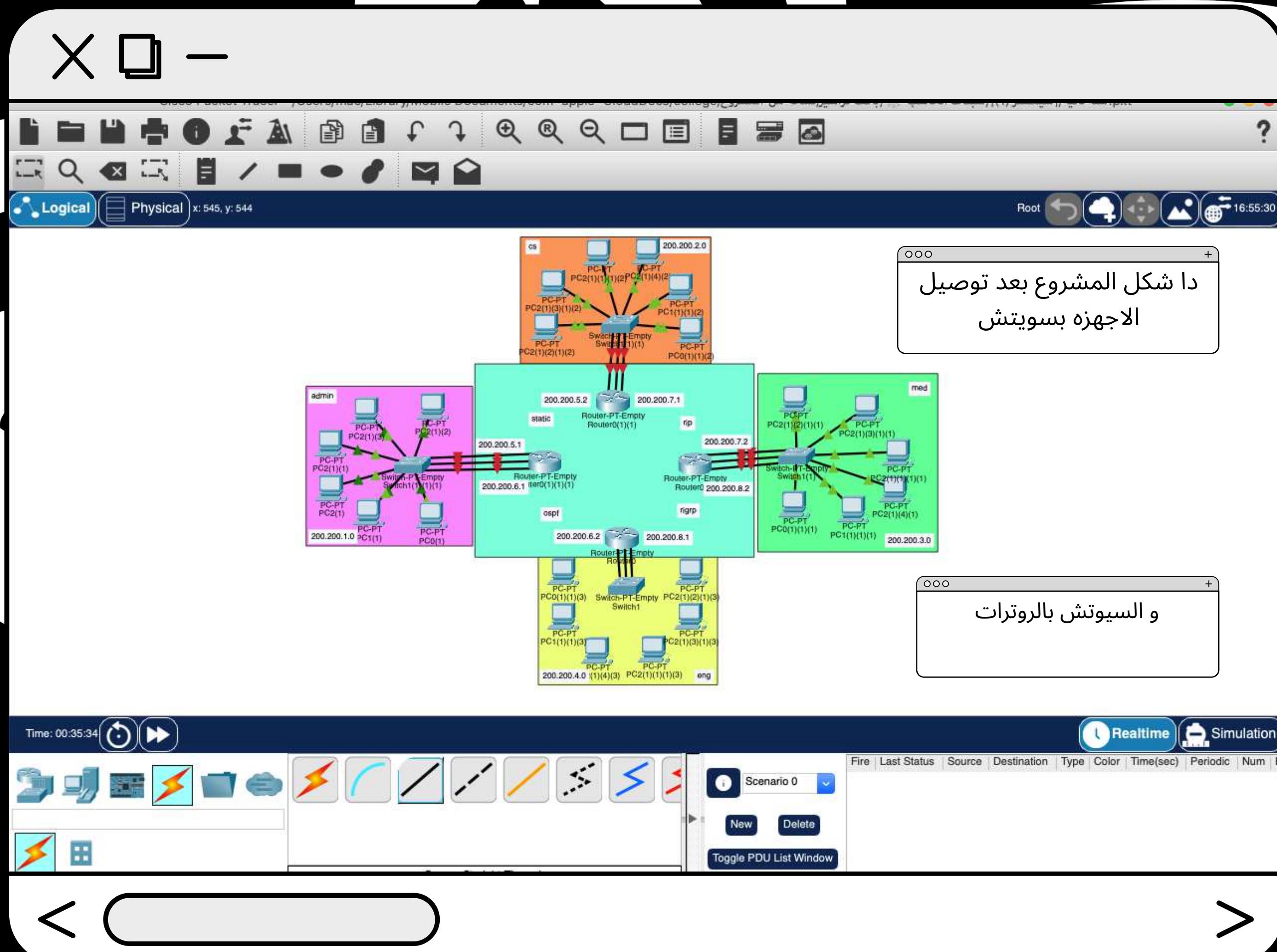












تقسيم الشبكة يتم على ثلاث اقسام داخل كل مبني ووضع في الاعتبار زياده قسم في المستقبل بمعنى اننا هنقسم كل شبكة لـ ٦٤ جهاز طبعاً
ناقص ٢

فأ عنوان الـ SUBNET سوف يكون
٢٠٠.٢٠٠.٢٠٠.١٩٢
بسبب نوع التقسيم و IP المختار

بمعنى اننا سوف نعمل IP
مكون من
IP FOR FASILTY/26



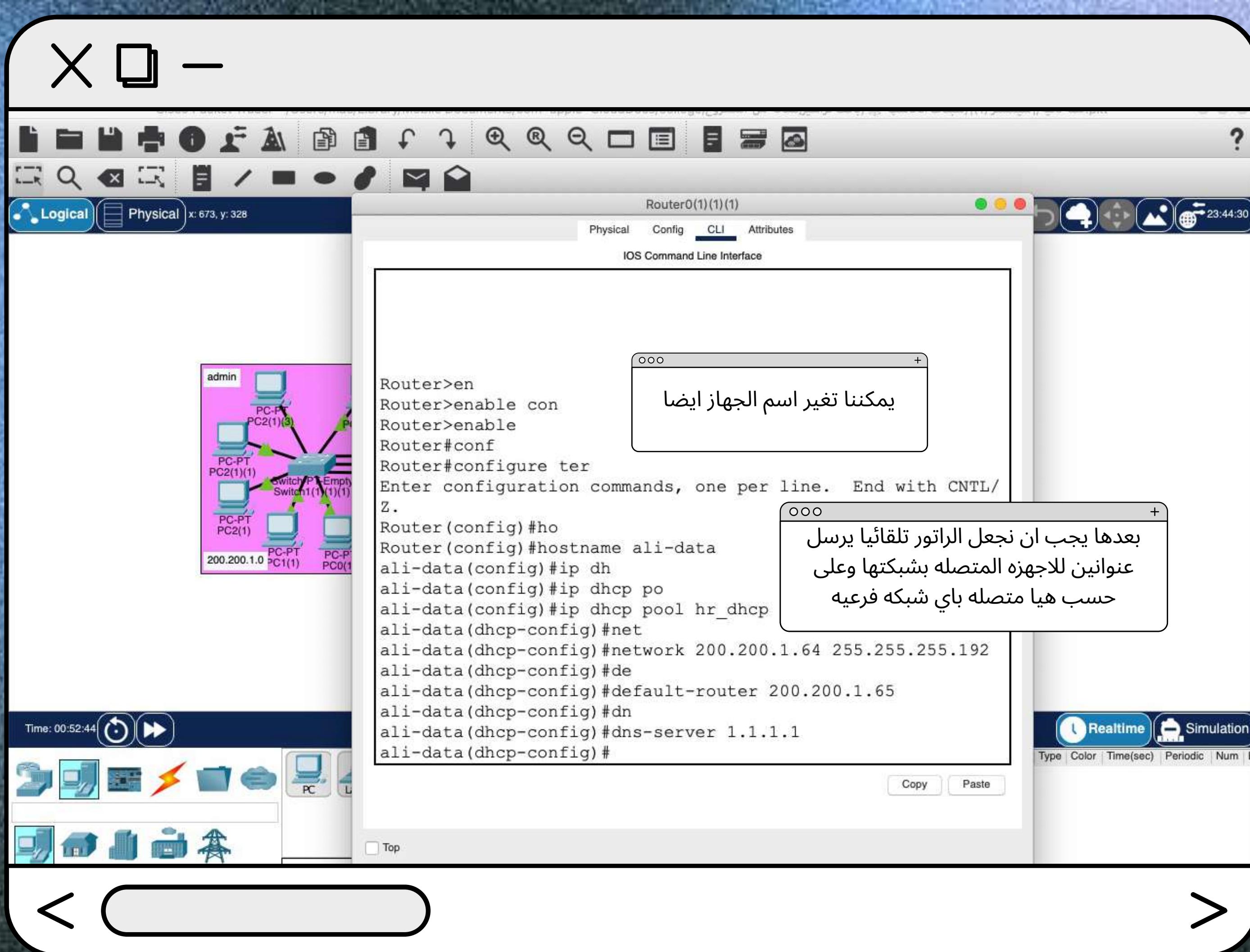


بعد عمل IP لكل الراوترات يجب
تقسيم عنوان الشبكة
لكل قسم

```
Switch(config-if) #switchport mode a
Switch(config-if) #switchport mode access
Switch(config-if) #aw
Switch(config-if) #s
Switch(config-if) #sw
Switch(config-if) #switchport a
Switch(config-if) #switchport access vlan 10
Switch(config-if) #exit
Switch(config)#inter
Switch(config)#interface r
Switch(config)#interface range f5/1,f6/1,f1/1
interface range not validated - command rejected
Switch(config)#interface range f5/1,f6/1,g1/1
Switch(config-if-range)#w
Switch(config-if-range)#sw
Switch(config-if-range)#switchport m
Switch(config-if-range)#switchport mode a
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#sw
Switch(config-if-range)#switchport ac
Switch(config-if-range)#switchport access vl
Switch(config-if-range)#switchport access vlan 20
% Access VLAN does not exist. Creating vlan 20
Switch(config-if-range) #
```

لكل شبكة و على حسب عدد
ال التقسيم الذي تحدده()

200.200.1.0 C1(1)



Switch1(1)(1)

Physical Config CLI Attributes

Logical Physical

09:23:30

```

ali-data>en
ali-data>enable
Password:
ali-data#sh
ali-data#show v
ali-data#show vl
ali-data#show vlan b
ali-data#show vlan brief
  
```

VLAN Name	Status	Ports
1 default	active	Fa9/1
10 staff-200.200.1.0	active	Gig0/1,
Fa3/1, Fa4/1		
20 VLAN0020	active	Gig1/1,
Fa5/1, Fa6/1		
30 VLAN0030	active	Gig2/1,
Fa7/1, Fa8/1		
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	

ali-data#

Switch1

Physical Config CLI Attributes

Logical Physical

Root 10:28:30

```

GigabitEthernet2/1, changed state to up
hello engineer!

ali-data>en
ali-data>enable
Password:
ali-data#show vlan brief
  
```

VLAN Name	Status	Ports
1 default	active	Fa9/1
10 VLAN0010	active	Gig0/1,
Fa3/1, Fa4/1		
20 VLAN0020	active	Gig1/1,
Fa5/1, Fa6/1		
30 VLAN0030	active	Gig2/1,
Fa7/1, Fa8/1		
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	

ali-data#

< >

Switch1(1)(1)

Physical Config CLI Attributes

Logical Physical

09:53:30

```

%LINEPROTO-5-UPDOWN: Line protocol on
Interface GigabitEthernet2/1, changed state to
up

hi IT specialist!

ali-data>en
ali-data>enable
Password:
ali-data#show vlan b
ali-data#show vl
ali-data#show vlan b
ali-data#show vlan brief
  
```

VLAN Name	Status	Ports
1 default	active	Fa9/1
10 VLAN0010	active	Gig0/1, Fa3/1, Fa4/1
20 VLAN0020	active	Gig1/1, Fa5/1, Fa6/1
30 VLAN0030	active	Gig2/1, Fa7/1, Fa8/1

ali-data#

Switch1

Physical Config CLI Attributes

Logical Physical

Root 10:46:00

```

hi admin!

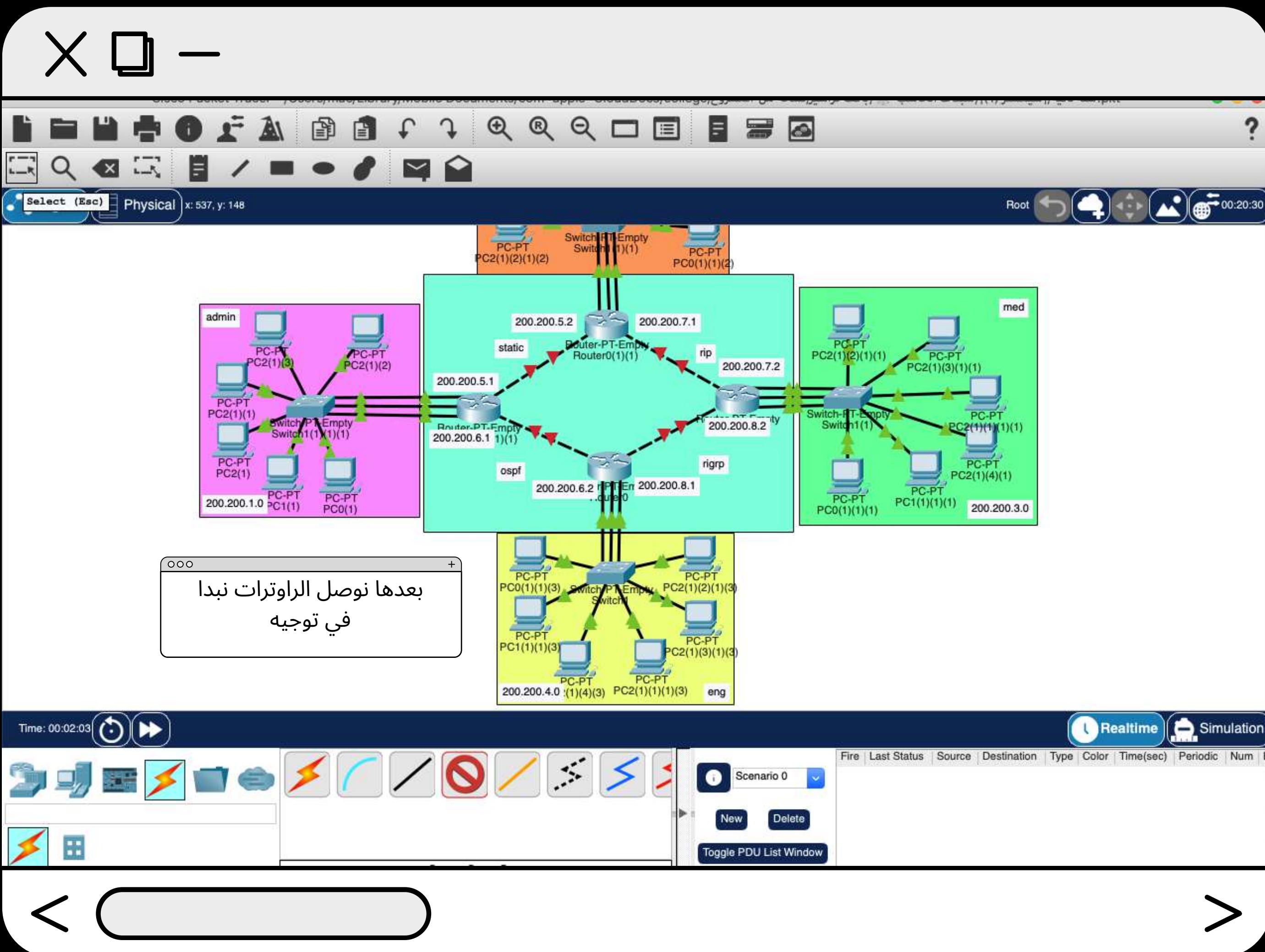
ali-data>en
ali-data>enable
Password:
ali-data#show vlan brief
  
```

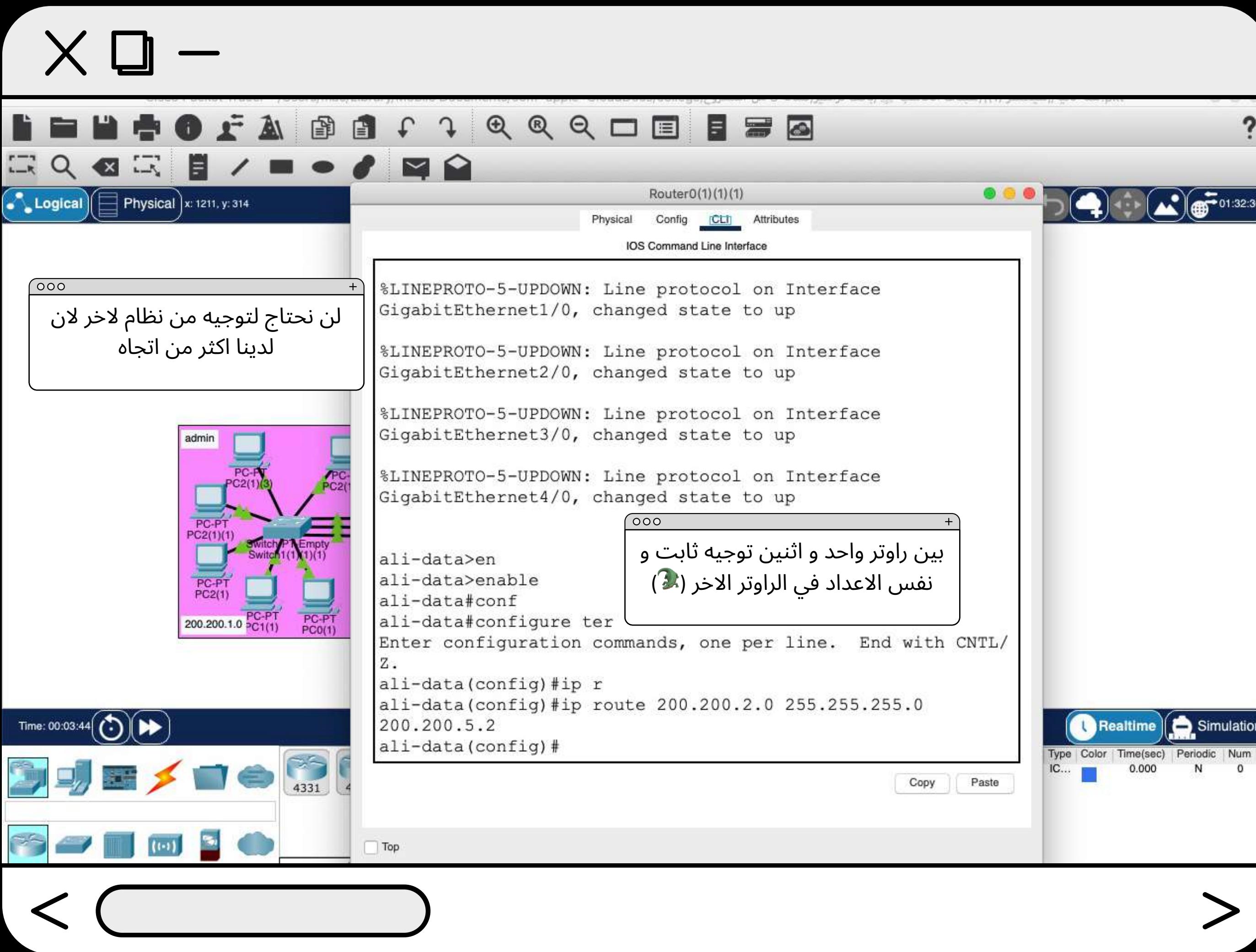
VLAN Name	Status	Ports
1 default	active	Fa9/1
10 VLAN0010	active	Gig0/1, Fa3/1, Fa4/1
Fa5/1, Fa6/1		
20 VLAN0020	active	Gig1/1, Fa7/1, Fa8/1
Fa9/1, Fa10/1		
30 VLAN0030	active	Gig2/1, Fa11/1, Fa12/1

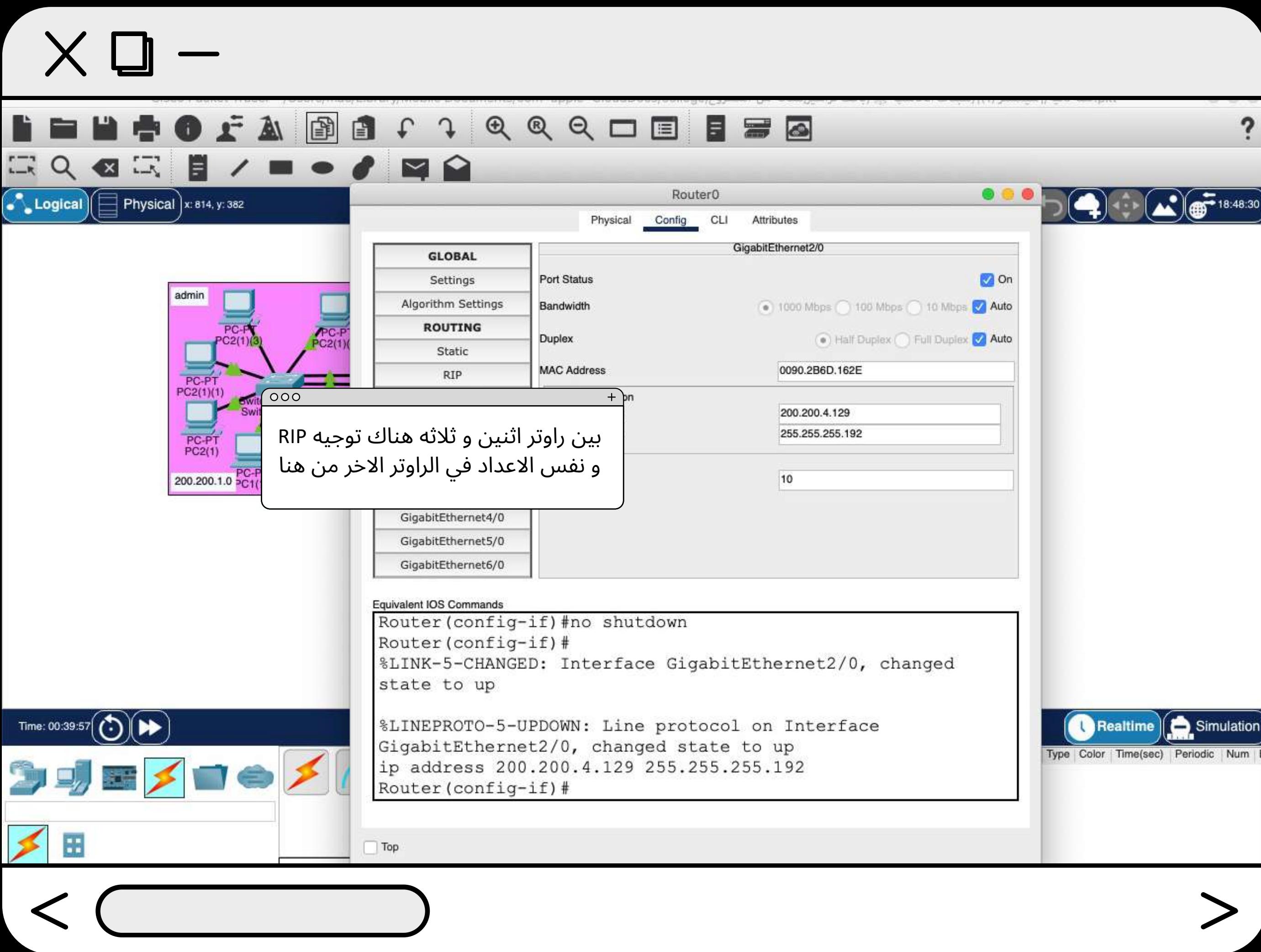
ali-data#

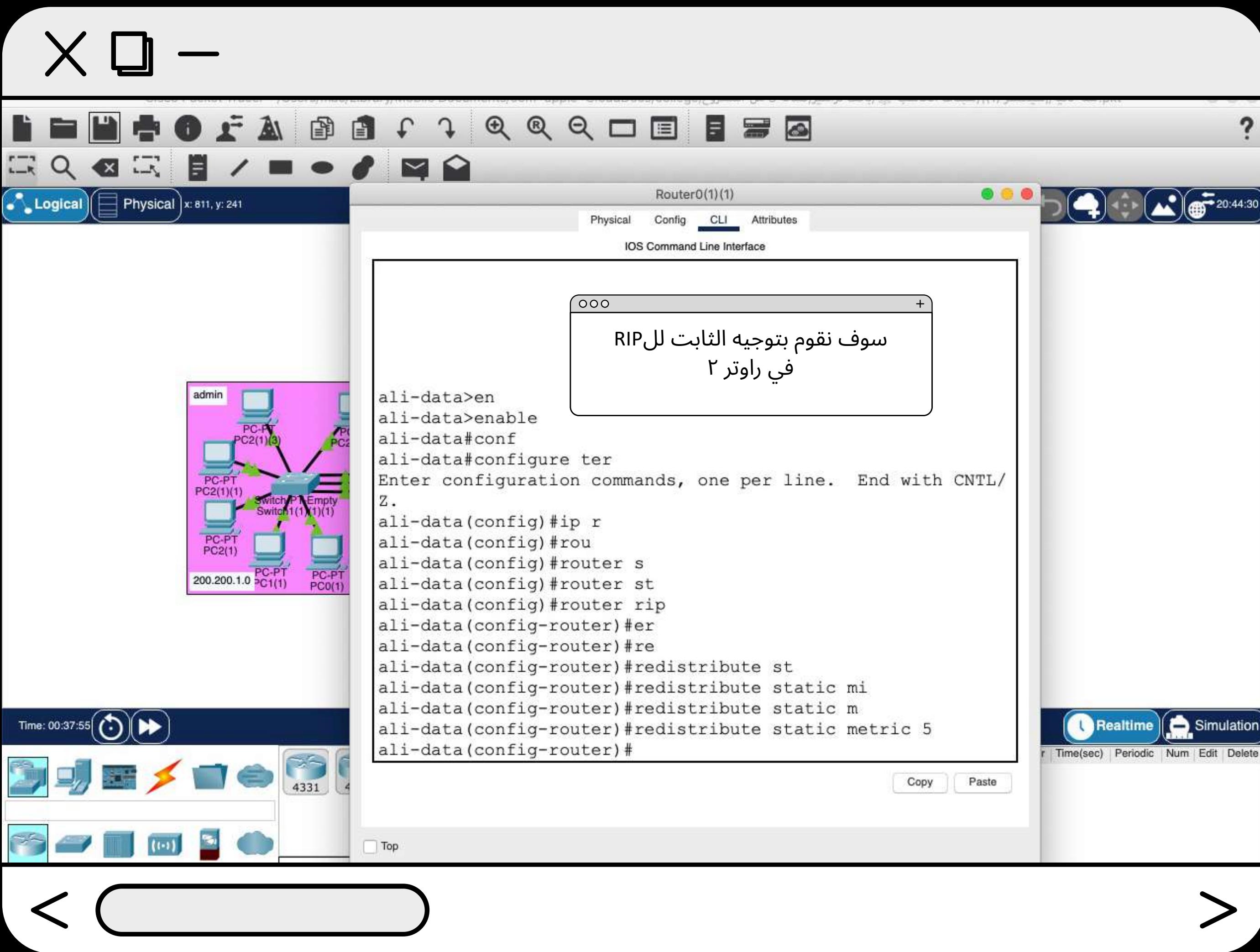
< >

VLANS TABLE وطبعاً



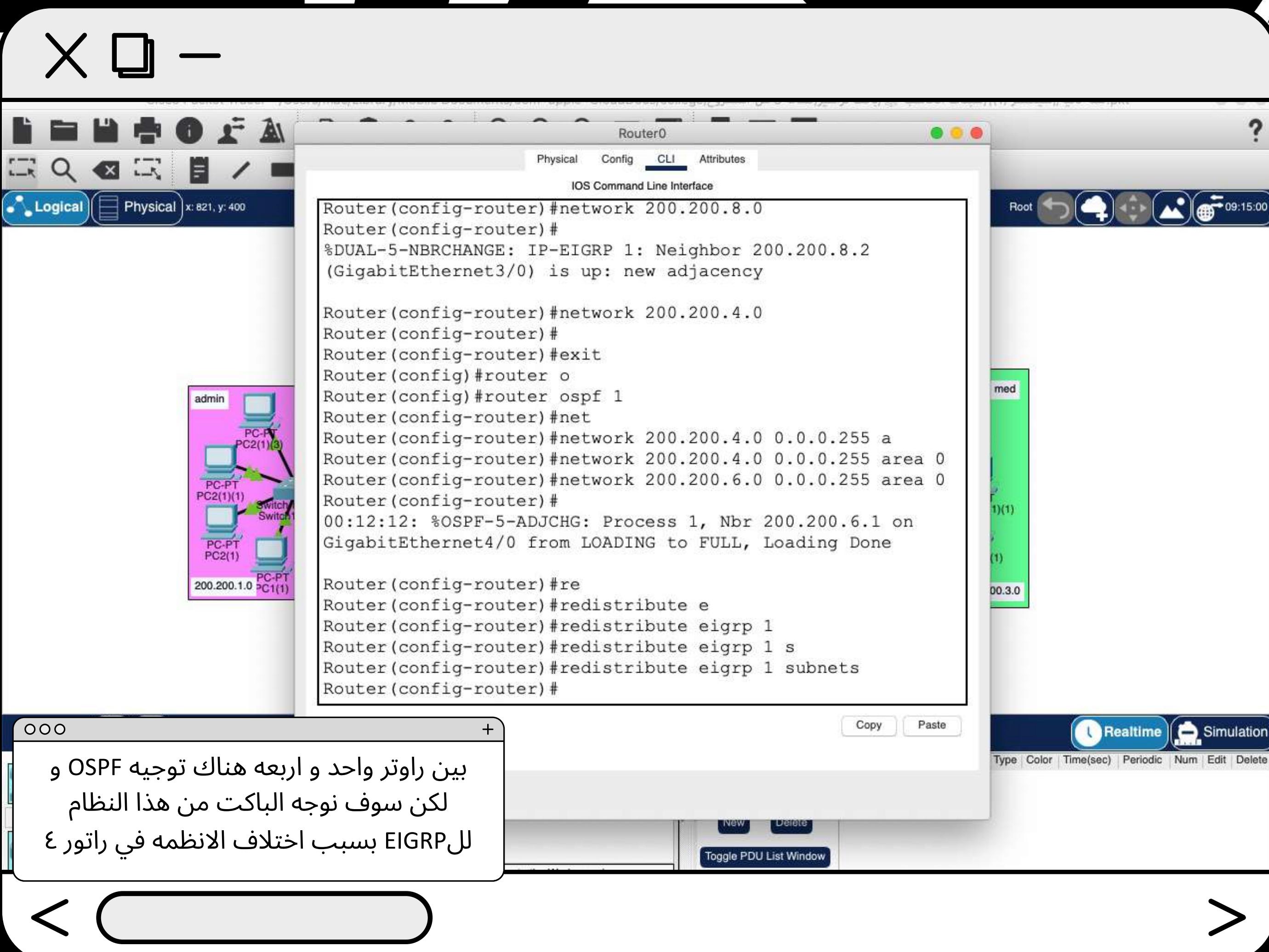


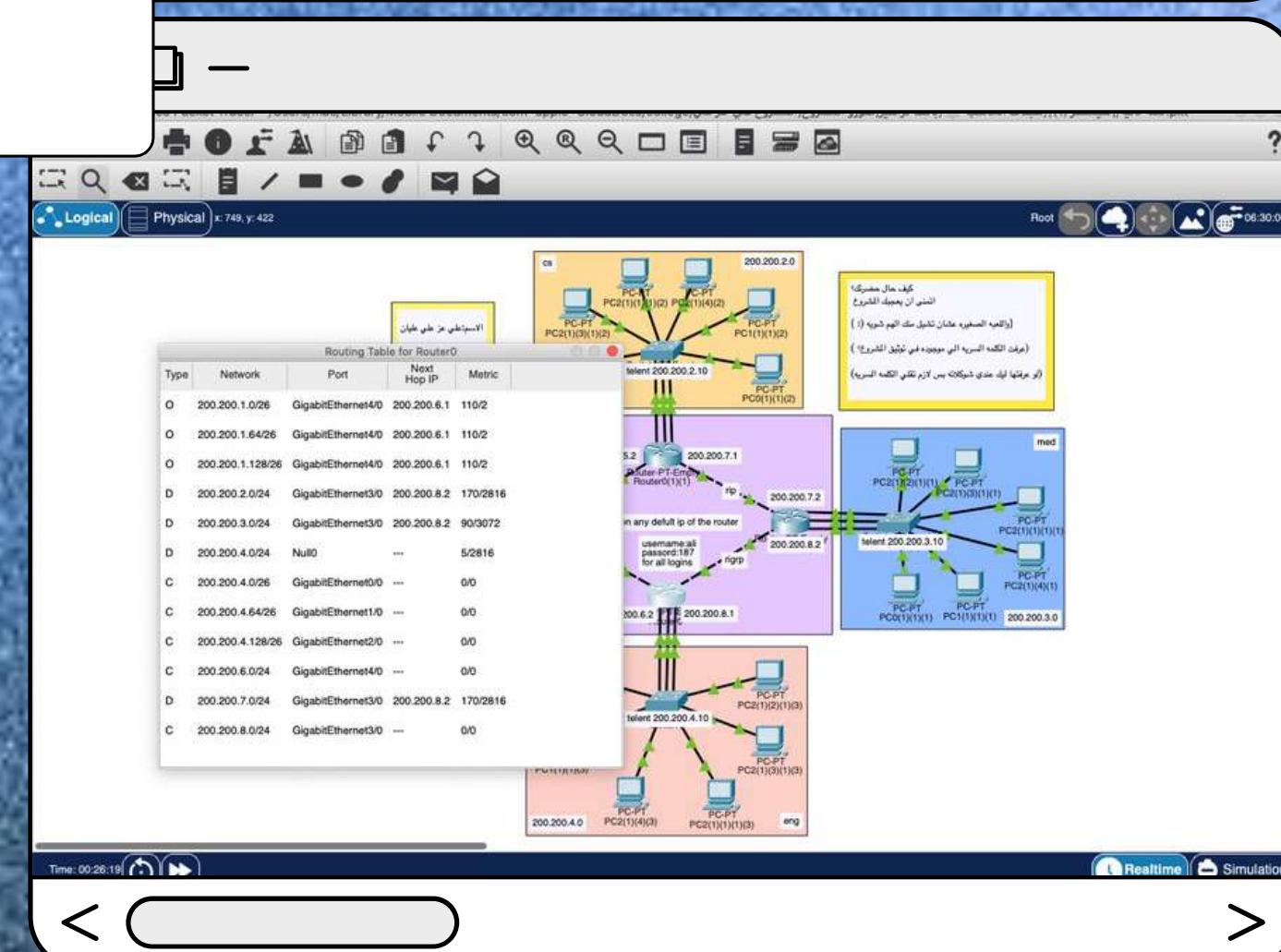
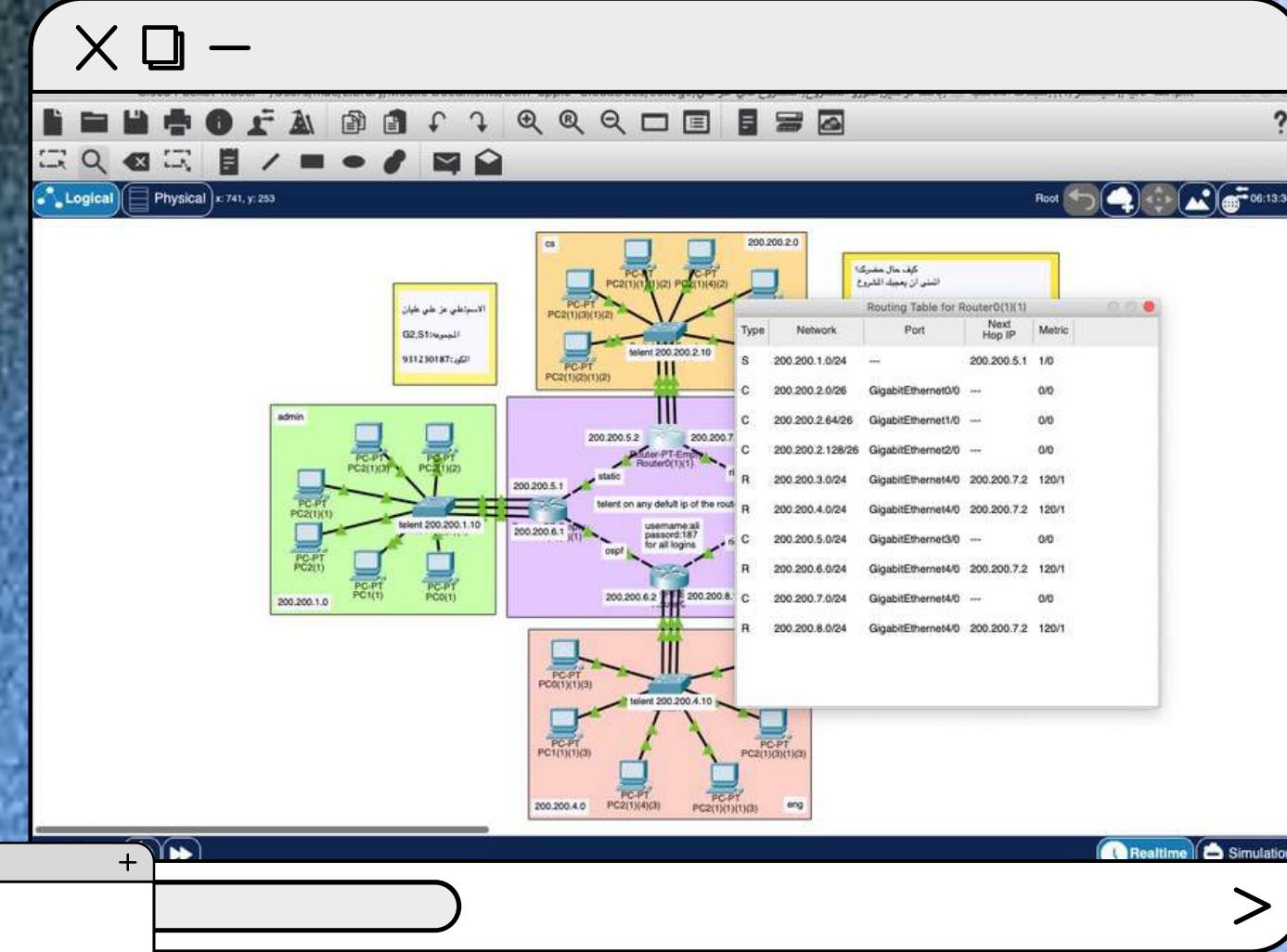
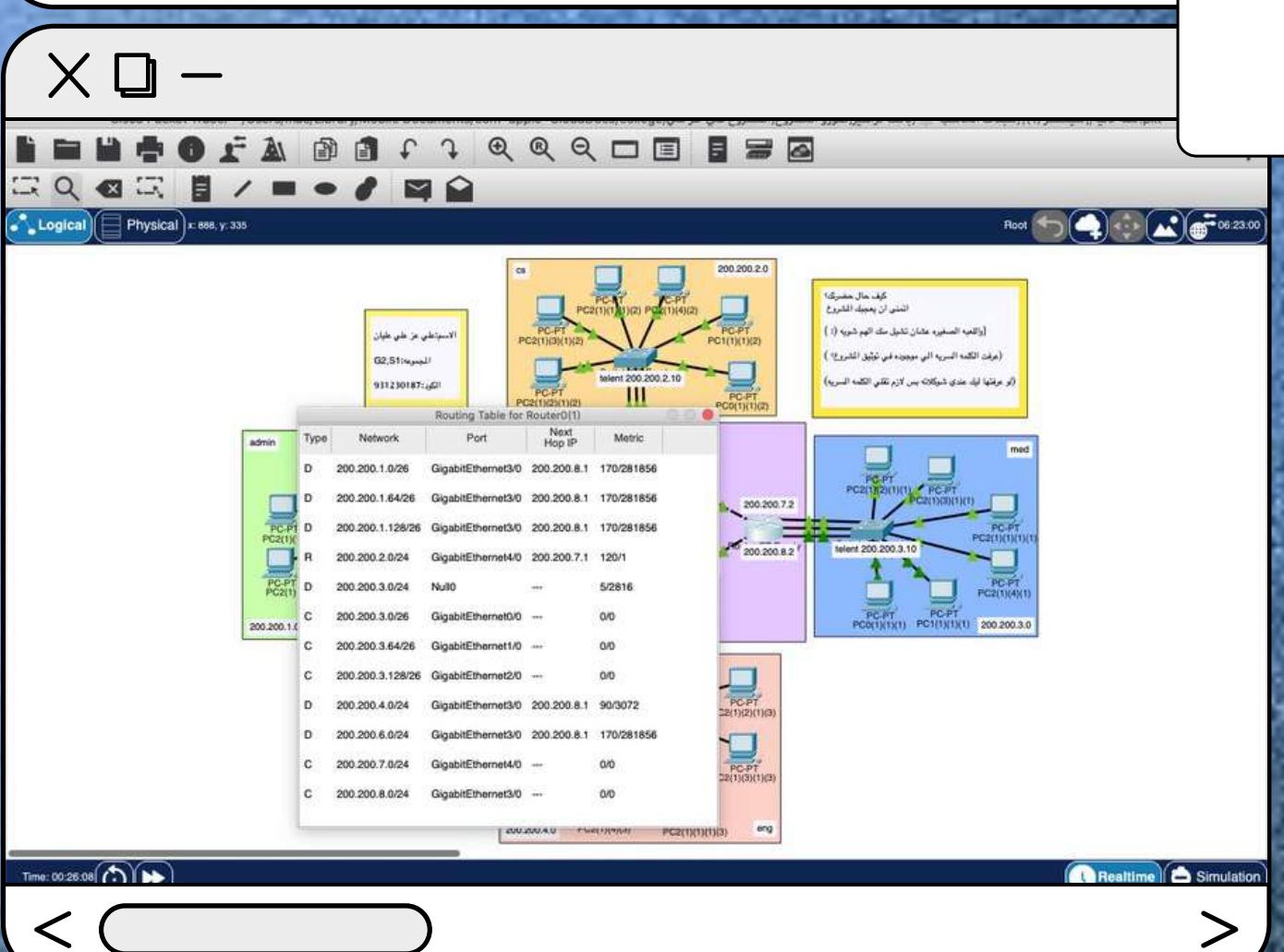
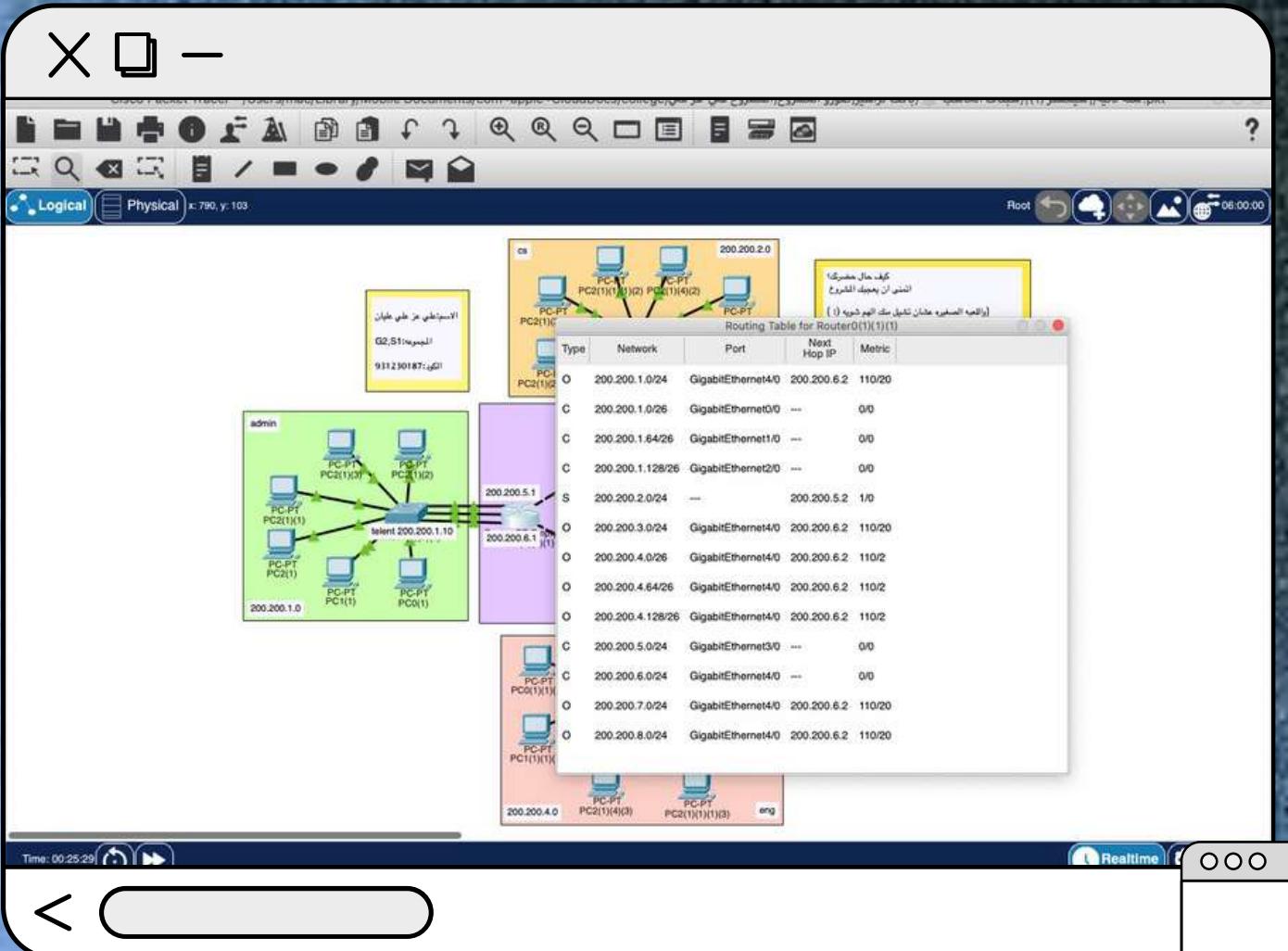




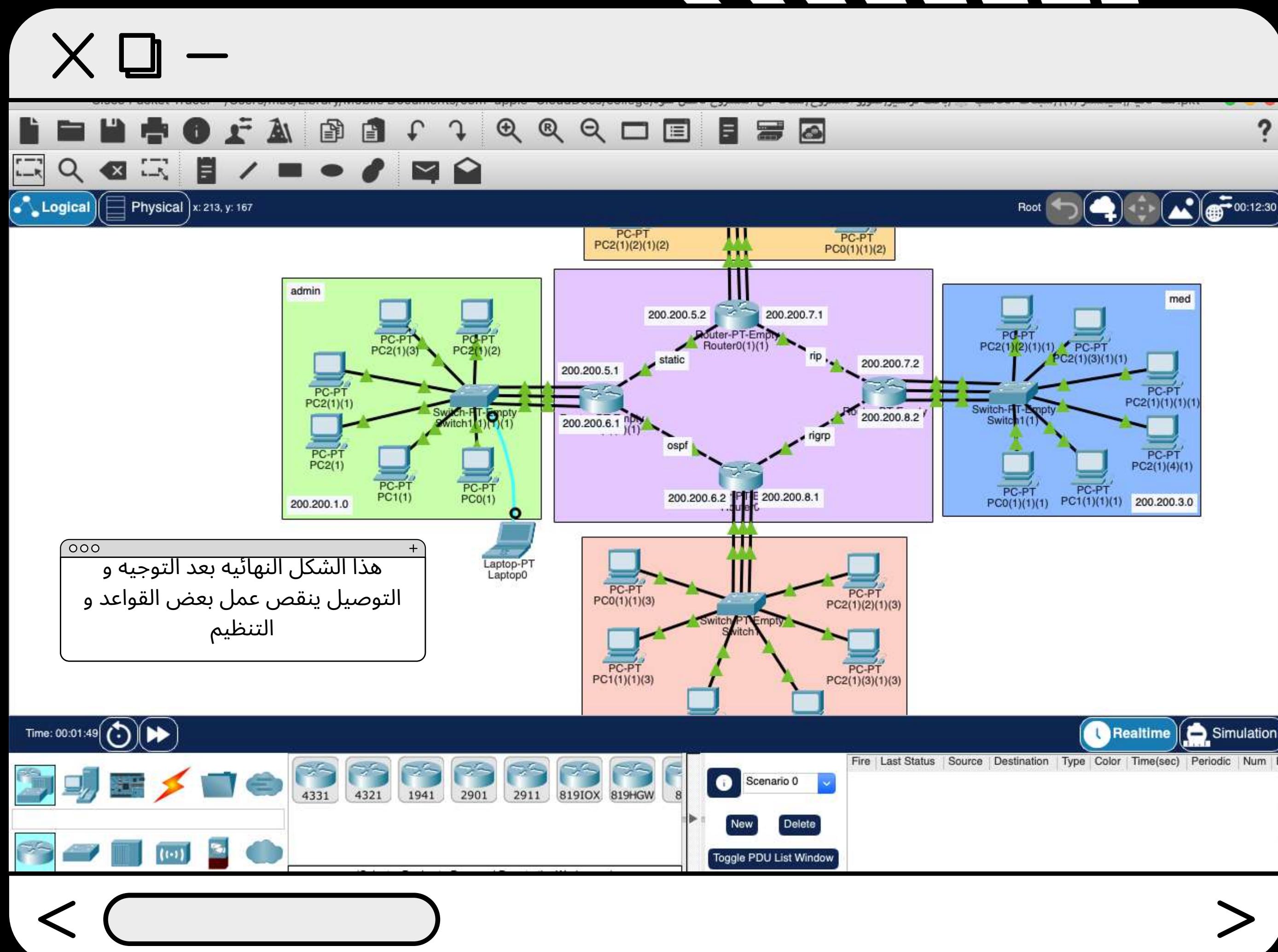
٠٠٠ +
بين راوتر ثلاثة و اربعه هناك توجيه RIGRP و RIP ولكن سوف نوجه الباكت من هذا النظام لـ لـ RIGRP ولكن سوف نوجه الباكت من هذا النظام لـ RIP و العكس بسبب اختلاف الانظمه في راوتر ٣

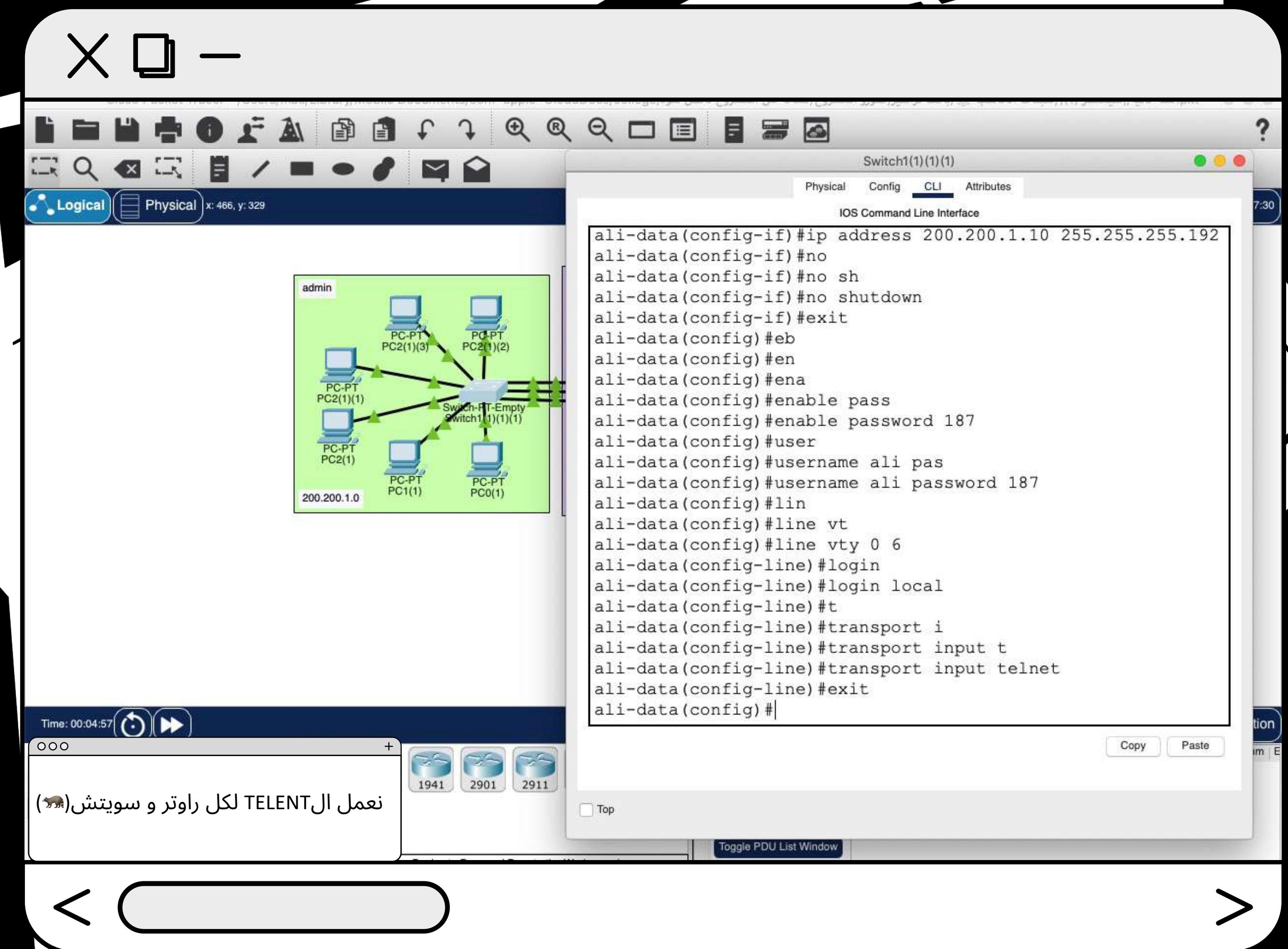
```
+ ali-data(config-router)#redistribute rip metric 1000000  
2000 255 1 1500  
ali-data(config-router)#e  
ali-data(config-router)#ex  
+ ali-data(config)#rou  
ali-data(config)#router e  
ali-data(config)#router eigrp 1  
ali-data(config-router)#redistribute rip metric 1000000  
2000 255 1 1500  
ali-data(config-router)#exit  
ali-data(config)#rou  
ali-data(config)#router rip  
ali-data(config-router)#redistribute eigrp 1 metric 1000000  
2000 255 1 1500  
^  
% Invalid input detected at '^' marker.  
  
ali-data(config-router)#redistribute eigrp 1 metric 1  
ali-data(config-router)#exit  
ali-data(config)#ro  
ali-data(config)#router rip  
ali-data(config-router)#redistribute eigrp 1 metric 1  
ali-data(config-router)#+
```

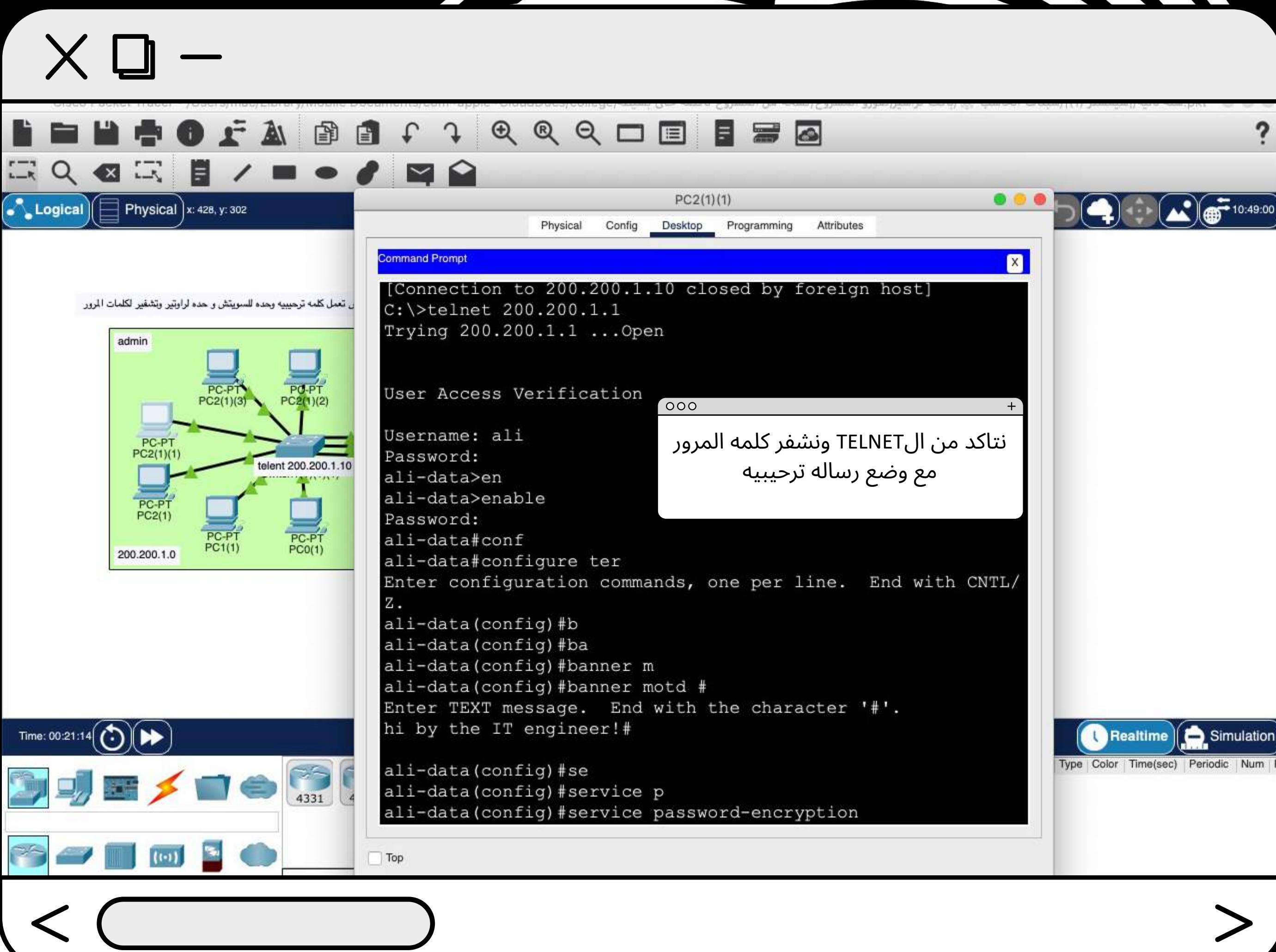




وطبعاً TABLE للراوترات







Switch1(1)(1)

Physical Config CLI Attributes

IOS Command Line Interface

```

Current configuration : 1363 bytes
version 12.1
no service timestamps log datetime msec
no service timestamps debug datetime msec
service password-encryption
hostname ali-data
enable password 7 08701419
username ali privilege 1 password 7 08701419
no ip address
shutdown
ip address 200.200.1.10 255.255.255.192
ip default-gateway 200.200.1.1
banner motd ^C
line con 0
line vty 0 4
login local
transport input telnet
line vty 5 6
login local
transport input telnet
line vty 7 15
login
end

```

Copy Paste

Time: 01:08:28

Switch1(1)

Physical Config CLI Attributes

IOS Command Line Interface

```

version 12.1
no service timestamps log datetime msec
no service timestamps debug datetime msec
service password-encryption
hostname ali-data
enable password 7 08701419
username ali privilege 1 password 7 08701419
no ip address
shutdown
ip address 200.200.3.10 255.255.255.192
ip default-gateway 200.200.3.1
banner motd ^C
line con 0
line vty 0 4
login local
transport input telnet
line vty 5 6
login local
transport input telnet
line vty 6 15
login
end

```

ali-data#

Copy Paste

Time: 01:11:56

Switch1(1)(1)

Physical Config CLI Attributes

IOS Command Line Interface

```

no service timestamps log datetime msec
no service timestamps debug datetime msec
service password-encryption
hostname ali-data
enable password 7 08701419
username ali privilege 1 password 7 08701419
no ip address
shutdown
ip address 200.200.2.10 255.255.255.192
ip default-gateway 200.200.2.1
banner motd ^C
line con 0
line vty 0 4
login local
transport input telnet
line vty 5 6
login local
transport input telnet
line vty 6 15
login
end

```

ali-data#

Copy Paste

Time: 01:41:00

Switch1

Physical Config CLI Attributes

IOS Command Line Interface

```

no service timestamps log datetime msec
no service timestamps debug datetime msec
service password-encryption
hostname ali-data
enable password 7 08701419
username ali privilege 1 password 7 08701419
no ip address
shutdown
ip address 200.200.4.10 255.255.255.192
ip default-gateway 200.200.4.1
banner motd ^C
line con 0
line vty 0 4
login local
transport input telnet
line vty 5 6
login local
transport input telnet
line vty 6 15
login
end

```

ali-data#

Copy Paste

Time: 01:12:29

وطبعاً ال CONFIG TELNET

Logical Physical x: 14, y: 274 Root 00:18:30

الاسم: علي عزيز علي عزيز
الجنس: ذكر
الرقم: 931230187

كيف حال حضرتك؟
أتمنى أن يعجبك المشروع
(واللعبة المصغيرة عثمان تثبيت ملك الهم شوبي :))
(عرفت الكلمة السرية التي موجودة في توثيق المشروع)
(أو عرفتها ليك عندي شوكولاتة بس لازم تتقني الكلمة السرية)

ooo

وهذا هو الشكل النهائي للمشروع

ooo

مساعد في اللعبة (Bear, Tree, Rabbit, Bear)

Time: 00:00:32 Realtime Simulation

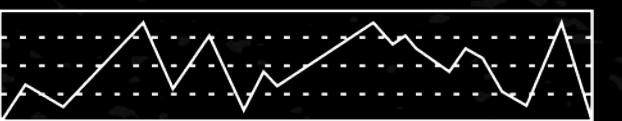
< >

شکرای علی!



اتمنى ان يكون عجبك الشرح و اللعبه الصغيره

こんにちは



062819950120161