Family PC

Physical Config Desktop Programming Attributes

Web Browser

< > URL http://netacad.pka Go Stop

Netacad.pka

My favorite page!

Top

Family PC

Physical Config Desktop Programming Attributes

Command Prompt X

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping netacad.pka
C:\>ping netacad.pka

Pinging 10.0.0.254 with 32 bytes of data:

Reply from 10.0.0.254: bytes=32 time=1ms TTL=126
Reply from 10.0.0.254: bytes=32 time=2ms TTL=126
Reply from 10.0.0.254: bytes=32 time=1ms TTL=126
Reply from 10.0.0.254: bytes=32 time=1ms TTL=126

Ping statistics for 10.0.0.254:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 2ms, Average = 1ms

C:\>
```

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Home PC

Physical | Config | Desktop | Programming | Attributes

Command Prompt

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 172.16.0.2

Pinging 172.16.0.2 with 32 bytes of data:

Request timed out.
Request timed out.
Reply from 172.16.0.2: bytes=32 time=5ms TTL=252
Reply from 172.16.0.2: bytes=32 time=101ms TTL=252

Ping statistics for 172.16.0.2:
    Packets: Sent = 4, Received = 2, Lost = 2 (50% loss),
Approximate round trip times in milli-seconds:
    Minimum = 5ms, Maximum = 101ms, Average = 53ms

C:\>ping 172.16.0.2

Pinging 172.16.0.2 with 32 bytes of data:

Reply from 172.16.0.2: bytes=32 time=39ms TTL=252
Reply from 172.16.0.2: bytes=32 time=8ms TTL=252
Reply from 172.16.0.2: bytes=32 time=19ms TTL=252
Reply from 172.16.0.2: bytes=32 time=144ms TTL=252

Ping statistics for 172.16.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 8ms, Maximum = 144ms, Average = 52ms

C:\>
```

Top

Router0

Physical Config CLI Attributes

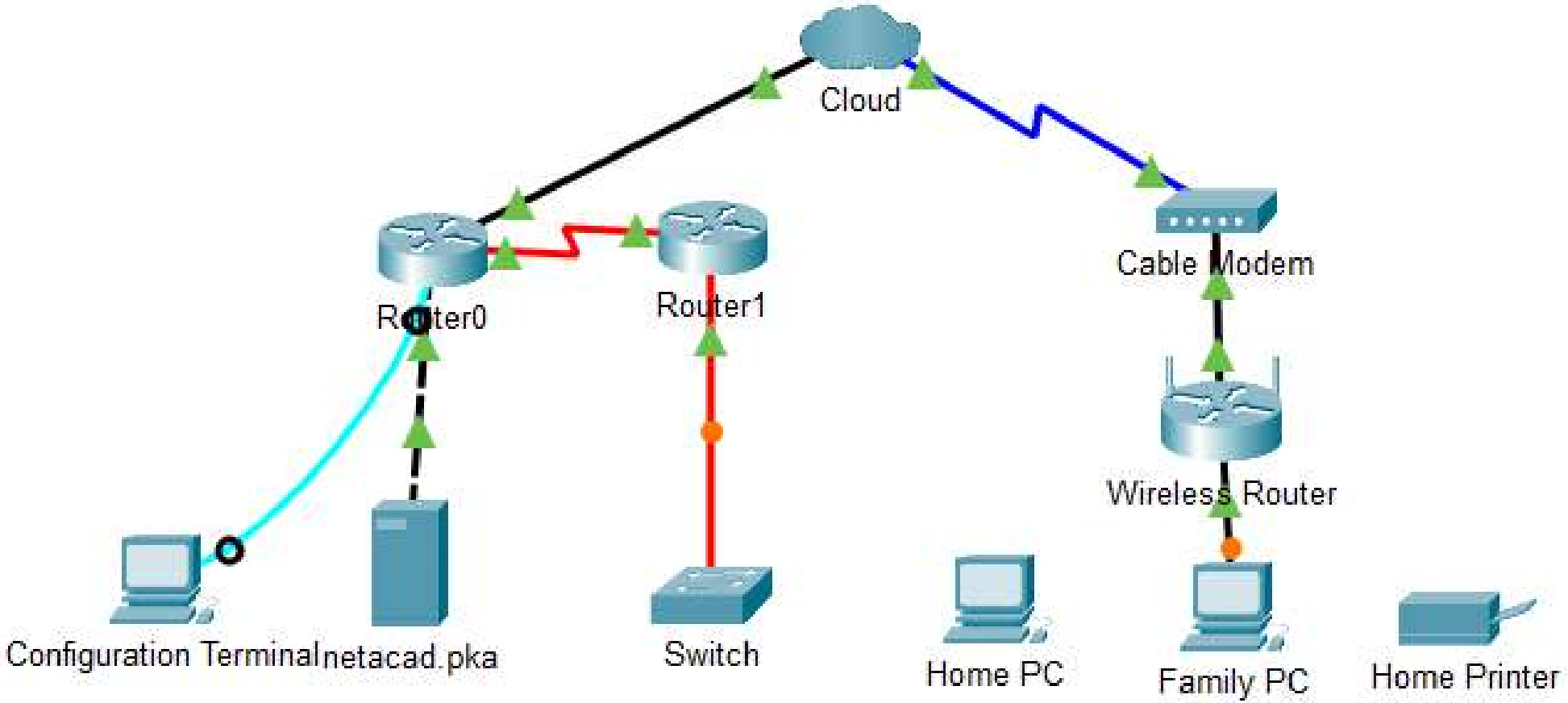
IOS Command Line Interface

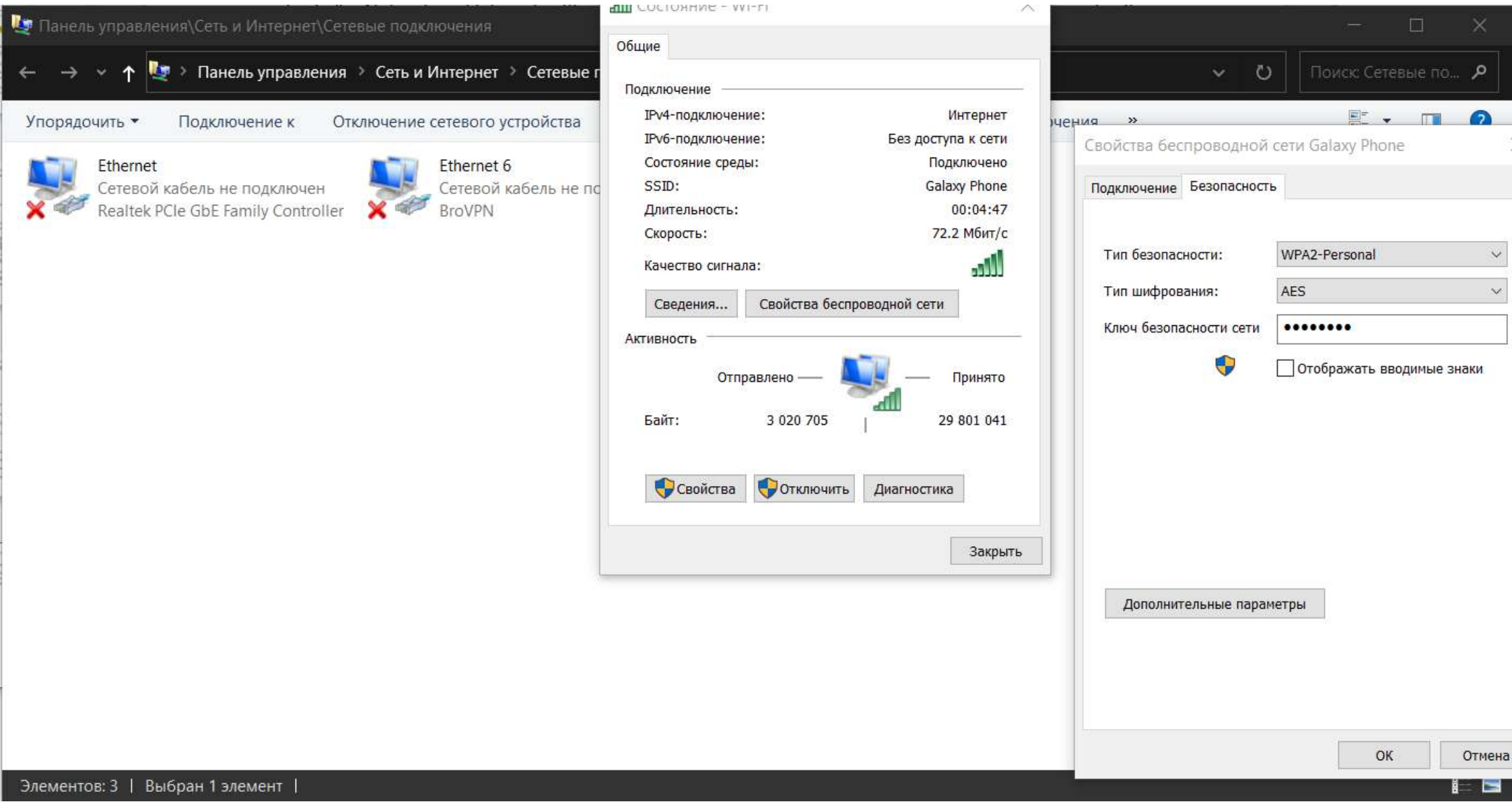
```
          Cisco Systems, Inc.
          170 West Tasman Drive
          San Jose, California 95134-1706



Cisco IOS Software, 1841 Software (C1841-IPBASE-M), Version 12.3(14)T7, RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2006 by Cisco Systems, Inc.
Compiled Mon 15-May-06 14:54 by pt_team
Image text-base: 0x6007D180, data-base: 0x61400000

Port Statistics for unclassified packets is not turned on.
Cisco 1841 (revision 5.0) with 114688K/16384K bytes of memory.
Processor board ID FTX0947Z18E
M860 processor: part number 0, mask 49
2 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial(sync/async) network interface(s)
191K bytes of NVRAM.
32768K bytes of ATA CompactFlash (Read/Write)
Cisco IOS Software, 1841 Software (C1841-IPBASE-M), Version 12.3(14)T7, RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2006 by Cisco Systems, Inc.
Compiled Mon 15-May-06 14:54 by pt_team

Press RETURN to get started!


%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up

%DUAL-5-NBRCHANGE: IP-EIGRP 1: Neighbor 172.31.0.2 (Serial0/0/0) is up: new adjacency

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
%DHCPD-4-PING_CONFLICT: DHCP address conflict:  server pinged 192.168.2.1.


Router0>show ip interface brief
Interface              IP-Address      OK? Method Status                Protocol
FastEthernet0/0        192.168.2.1     YES manual up                    up
FastEthernet0/1        10.0.0.1        YES manual up                    up
Serial0/0/0            172.31.0.1      YES manual up                    up
Serial0/0/1            unassigned      YES unset  administratively down down
Vlan1                  unassigned      YES unset  administratively down down
Router0>
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top


Cloud
Router0
Router1
Cable Modem
Wireless Router
Configuration Terminal
netacad.pka
Switch
Home PC
Family PC
Home Printer


Панель управления\Сеть и Интернет\Сетевые подключения
Панель управления › Сеть и Интернет › Сетевые
Поиск: Сетевые по...
Упорядочить
Подключение к
Отключение сетевого устройства
Ethernet
Сетевой кабель не подключен
Realtek PCIe GbE Family Controller
Ethernet 6
Сетевой кабель не по
BroVPN
Элементов: 3 | Выбран 1 элемент |
Общие
Подключение
IPv4-подключение: Интернет
IPv6-подключение: Без доступа к сети
Состояние среды: Подключено
SSID: Galaxy Phone
Длительность: 00:04:47
Скорость: 72.2 Мбит/с
Качество сигнала:
Сведения...
Свойства беспроводной сети
Активность
Отправлено
Принято
Байт: 3 020 705 29 801 041
Свойства
Отключить
Диагностика
Закрыть
Свойства беспроводной сети Galaxy Phone
Подключение
Безопасность
Тип безопасности: WPA2-Personal
Тип шифрования: AES
Ключ безопасности сети
Отображать вводимые знаки
Дополнительные параметры
OK
Отмена

East

Physical Config CLI

IOS Command Line Interface

```
  ARP type: ARPA, ARP Timeout 04:00:00,
  Last input 00:00:08, output 00:00:05, output hang never
  Last clearing of "show interface" counters never
  Input queue: 0/75/0 (size/max/drops); Total output drops: 0
  Queueing strategy: fifo
  Output queue :0/40 (size/max)
  5 minute input rate 0 bits/sec, 0 packets/sec
  5 minute output rate 0 bits/sec, 0 packets/sec
     0 packets input, 0 bytes, 0 no buffer
     Received 0 broadcasts, 0 runts, 0 giants, 0 throttles
     0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored, 0 abort
     0 watchdog, 1017 multicast, 0 pause input
     0 input packets with dribble condition detected
     0 packets output, 0 bytes, 0 underruns
     0 output errors, 0 collisions, 1 interface resets
     0 unknown protocol drops
     0 babbles, 0 late collision, 0 deferred
     0 lost carrier, 0 no carrier
     0 output buffer failures, 0 output buffers swapped out

East#show interface serial 0/0/0
Serial0/0/0 is down, line protocol is down (disabled)
  Hardware is HD64570
  Internet address is 10.10.10.1/30
  MTU 1500 bytes, BW 1544 Kbit, DLY 20000 usec,
     reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation HDLC, loopback not set, keepalive set (10 sec)
  Last input never, output never, output hang never
  Last clearing of "show interface" counters never
  Input queue: 0/75/0 (size/max/drops); Total output drops: 0
  Queueing strategy: weighted fair
  Output queue: 0/1000/64/0 (size/max total/threshold/drops)
     Conversations  0/0/256 (active/max active/max total)
     Reserved Conversations 0/0 (allocated/max allocated)
     Available Bandwidth 1158 kilobits/sec
  5 minute input rate 0 bits/sec, 0 packets/sec
  5 minute output rate 0 bits/sec, 0 packets/sec
     0 packets input, 0 bytes, 0 no buffer
     Received 0 broadcasts, 0 runts, 0 giants, 0 throttles
     0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored, 0 abort
     0 packets output, 0 bytes, 0 underruns
     0 output errors, 0 collisions, 0 interface resets
     0 output buffer failures, 0 output buffers swapped out

East#
East#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
East(config)#interface Serial0/0/0
East(config-if)#
East(config-if)#exit
East(config)#interface Serial0/0/0
East(config-if)#
```

Ctrl+F6 to exit CLI focus

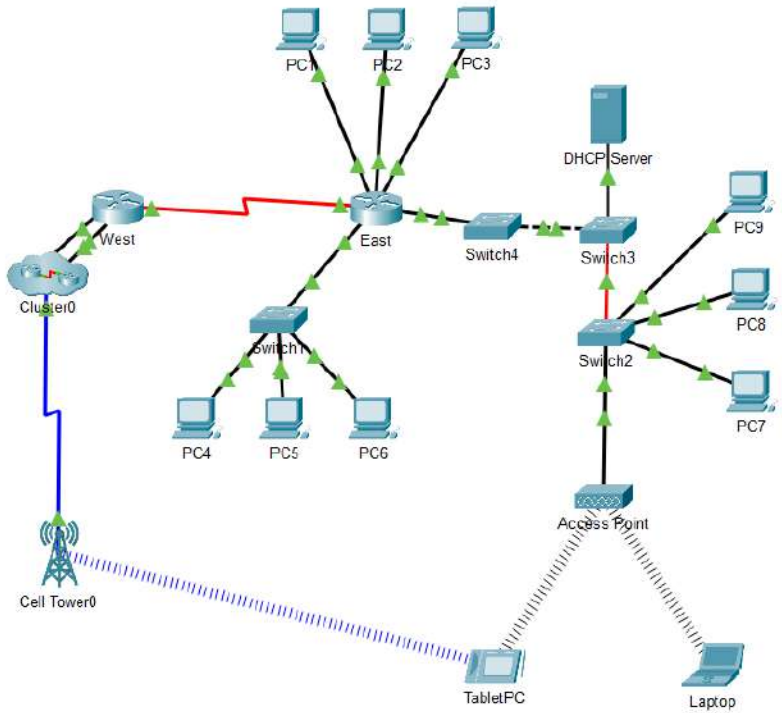
Copy Paste

Top

Cisco Packet Tracer - C:\Users\Nur\Downloads\4.7.1-packet-tracer---connect-the-physical-layer.pka

File Edit Options View Tools Extensions Window Help

Logical | Physical x: 1707, y: 574



PT Activity: 00:43:13

Packet Tracer - Connect the Physical Layer

Objectives

Part 1: Identify Physical Characteristics of Internetworking Devices

Part 2: Select Correct Modules for Connectivity

...will also be required to determine which options provide ...t modules and connect the devices.

...recorded answers to the questions posed in the ...d consult with your instructor to determine your final

...e?

...llowing commands:

...rface is a virtual interface that only exists in software.

Completion: 100%

Back 1/1 Next

East

Physical Config CLI

IOS Command Line Interface

```
  hosts          IP domain-name, lookup style, nameservers, and host table
  interfaces     Interface status and configuration
  ip             IP information
  ipv6           IPv6 information
  lldp           LLDP information
  policy-map     Show QoS Policy Map
  pppoe          PPPoE information
  privilege      Show current privilege level
  protocols      Active network routing protocols
  queue          Show queue contents
  queueing       Show queueing configuration
  sessions       Information about Telnet connections
  ssh            Status of SSH server connections
  tcp            Status of TCP connections
  terminal       Display terminal configuration parameters
  users          Display information about terminal lines

East>show ip interface brief
Interface              IP-Address      OK? Method Status
Protocol
GigabitEthernet0/0     172.30.1.1      YES NVRAM  up                    up
GigabitEthernet0/1     172.31.1.1      YES NVRAM  up                    up
Serial0/0/0            10.10.10.1      YES NVRAM  up                    up
Serial0/0/1            unassigned      YES NVRAM  down                  down
FastEthernet0/1/0      unassigned      YES unset  up                    up
FastEthernet0/1/1      unassigned      YES unset  up                    up
FastEthernet0/1/2      unassigned      YES unset  up                    up
FastEthernet0/1/3      unassigned      YES unset  up                    down
Vlan1                  172.29.1.1      YES NVRAM  up                    up
East>
```

Ctrl+F6 to exit CLI focus

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Time: 00:43:04

Realtime Simulation

Serial DCE

Scenario 0

New Delete

Toggle PDU List Window

Fire | Last Status | Source | Destination | Type | Color | Time(sec) | Periodic | Num | Edit | Delete