

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Mon 1 Sep 12:50 PM

Cisco Packet Tracer

Logical

Physical

x: 472, y: 210

Root

14:15:00

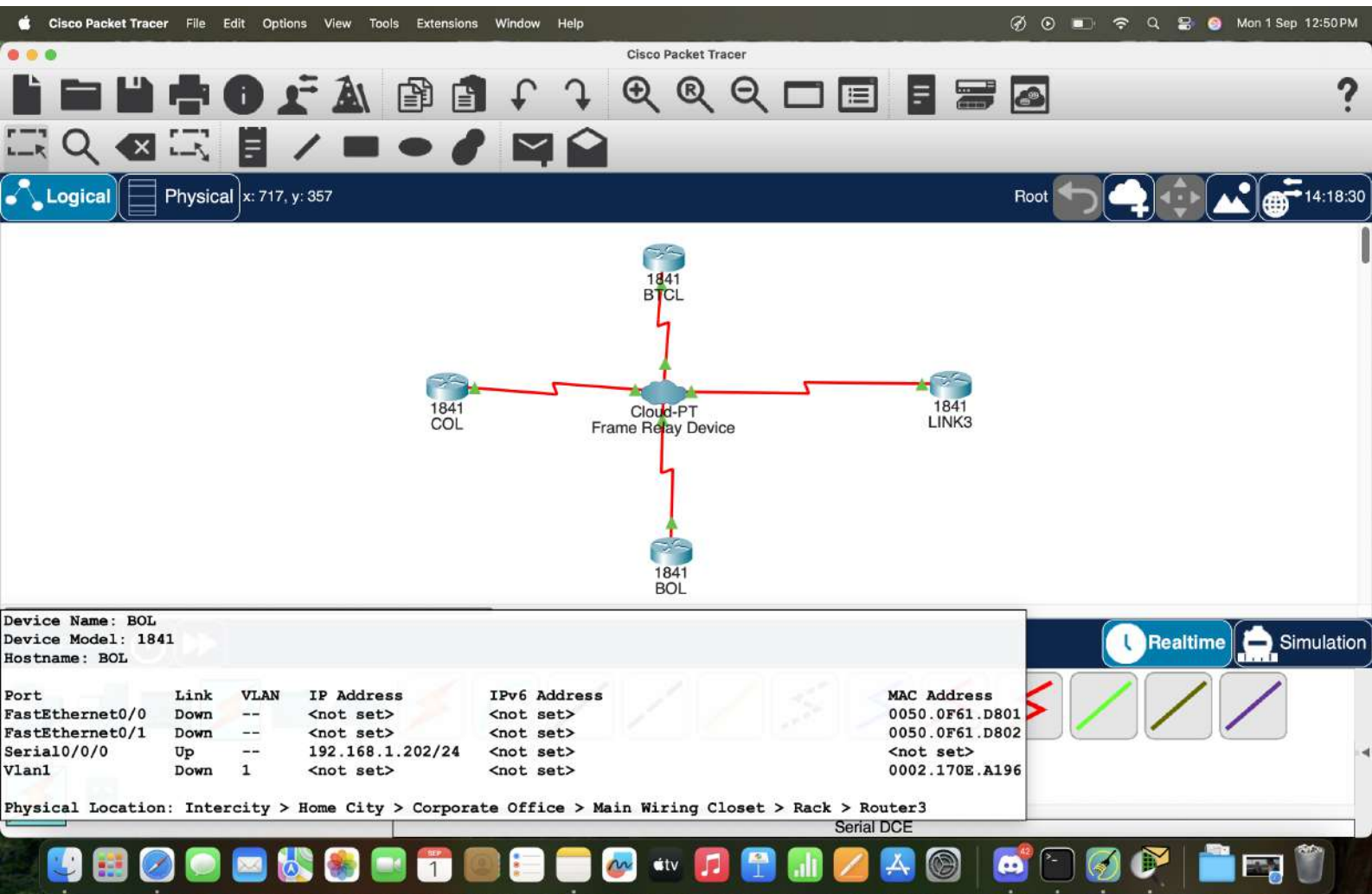
Device Name: COL
Device Model: 1841
Hostname: COL

Port	Link	VLAN	IP Address	IPv6 Address	MAC Address
FastEthernet0/0	Down	--	<not set>	<not set>	0001.C79B.CB01
FastEthernet0/1	Down	--	<not set>	<not set>	0001.C79B.CB02
Serial0/0/0	Up	--	192.168.1.201/24	<not set>	<not set>
Serial0/0/1	Down	--	<not set>	<not set>	<not set>
Vlan1	Down	1	<not set>	<not set>	0060.70E4.B8A8

Physical Location: Intercity > Home City > Corporate Office > Main Wiring Closet > Rack > Router5

Serial DCE

Realtime Simulation




```

Router>en
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname BTCL
BTCL(config)#interface ethernet 0/0/0
%Invalid interface type and number
BTCL(config)#interface fastEthernet 0/0/0
%Invalid interface type and number
BTCL(config)#interface serial 0/0/0
BTCL(config-if)#ip address 192.168.1.100 255.255.255.0
BTCL(config-if)#no shutdown

BTCL(config-if)#
%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up

BTCL(config-if)#exit
BTCL(config)#exit
BTCL#
%SYS-5-CONFIG_I: Configured from console by console
wr
Building configuration...
[OK]
BTCL#
BTCL#interface serial 0/0/0
      ^
% Invalid input detected at '^' marker.

BTCL#en
BTCL#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
BTCL(config)#interface serial 0/0/0
BTCL(config-if)#encapsulation frame-relay ietf
BTCL(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up

BTCL(config-if)#frame-relay interface-dlci 16
      ^
% Invalid input detected at '^' marker.

BTCL(config-if)#frame-relay interface-dlci 16
BTCL(config-if)#frame-relay interface-dlci 17
BTCL(config-if)#frame-relay interface-dlci 18
BTCL(config-if)#frame relay lmi-type cisco
      ^
% Invalid input detected at '^' marker.

BTCL(config-if)#frame-relay lmi-type cisco
BTCL(config-if)#exit
BTCL(config)#exit
BTCL#
%SYS-5-CONFIG I: Configured from console by console

```

```
Router>en
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#hostname COL
COL(config)#interface serial 0/0/0
COL(config-if)#ip address 192.168.1.201 255.255.255.0
COL(config-if)#exit
COL(config)#exit
COL#
%SYS-5-CONFIG_I: Configured from console by console

COL#wr
Building configuration...
[OK]
COL#
COL#
```

```
[OK]
COL#en
COL#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
COL(config)#interface serial 0/0/0
COL(config-if)#encapsulation frame-relay ietf
COL(config-if)#frame-relay interface-dlci 19
COL(config-if)#frame-relay lmi-type cisco
COL(config-if)#exit
COL(config)#exit
COL#
%SYS-5-CONFIG_I: Configured from console by console
wr
Building configuration...
[OK]
COL#
```



```
BOL>en
BOL#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
BOL(config)#interface serial 0/0/0
BOL(config-if)#frame-relay interface-dlci 20
Must set encapsulation to FrameRelay before using FrameRelay subcommands
BOL(config-if)#encapsulation frame-relay ietf
BOL(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up

BOL(config-if)#frame-relay interface-dlci 20
BOL(config-if)#exit
BOL(config)#exit
BOL#
%SYS-5-CONFIG_I: Configured from console by console

BOL#wr
Building configuration...
[OK]
BOL#
```

```
BOL(config)#interface serial 0/0/0
BOL(config-if)#encapsulation frame-relay ietf
BOL(config-if)#frame-relay interface-dlci 20
BOL(config-if)#frame-relay lmi-type cisco
BOL(config-if)#exit
BOL(config)#exit
BOL#
%SYS-5-CONFIG_I: Configured from console by console
wr
Building configuration...
[OK]
BOL#
```

```
Router>en
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#hostname Link3
Link3(config)#interface serial 0/0/0
Link3(config-if)#ip address 192.168.1.203 255.255.255.0
Link3(config-if)#no shutdown

Link3(config-if)#
%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up

Link3(config-if)#exit
Link3(config)#exit
Link3#
%SYS-5-CONFIG_I: Configured from console by console
wr
Building configuration...
[OK]
Link3#
```

% Invalid input detected at marker.

Link3(config)#interface serial 0/0/0

Link3(config-if)#encapsulation frame-relay ietf

Link3(config-if)#

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

Link3(config-if)#frame-relay interface-dlci 21

Link3(config-if)#frame-relay lmi-type cisco

Link3(config-if)#exit

Link3(config)#exit

Link3#

%SYS-5-CONFIG_I: Configured from console by console

wr

Building configuration...

[OK]

Link3#



Frame Relay Device

Physical Config Attributes**GLOBAL**

Settings

TV Settings

CONNECTIONS

Frame Relay

DSL

Cable

INTERFACE

Serial0

Serial1

Serial2

Serial3

Frame Relay: Serial0

Port Status

☒ On

LMI

Cisco

DLCI

Name

Add

Remove

DLCI

Name

16

BTCL-1

17

BTCL-2

18

BTCL-3

Frame Relay Device

PhysicalConfigAttributes

GLOBAL

Settings

TV Settings

CONNECTIONS

Frame Relay

DSL

Cable

INTERFACE

Serial0

Serial1

Serial2

Serial3

Frame Relay: Serial1

Port Status

LMI

Cisco

DLCI

Name

Add

Remove

DLCI	Name
19	COL

Frame Relay Device

PhysicalConfigAttributes

GLOBAL

Settings

TV Settings

CONNECTIONS

Frame Relay

DSL

Cable

INTERFACE

Serial0

Serial1

Serial2

Serial3

Frame Relay: Serial2

Port Status

LMI

Cisco

DLCI

Name

Add

Remove

DLCI

20

Name

BOL

Frame Relay Device

Physical

Config

Attributes

GLOBAL

Settings

TV Settings

CONNECTIONS

Frame Relay

DSL

Cable

INTERFACE

Serial0

Serial1

Serial2

Serial3

Frame Relay: Serial3

Port Status

LMI

Cisco

DLCI

Name

Add

DLCI	Name
21	LINK3

GLOBAL
Settings
TV Settings
CONNECTIONS
Frame Relay
DSL
Cable
INTERFACE
Serial0
Serial1
Serial2
Serial3

Frame Relay				
	Serial0	BTCL-1	<->	Serial0
Port	Sublink		Port	Su
	From Port	Sublink	To Port	Sublink
1	Serial0	BTCL-1	Serial1	COL
2	Serial0	BTCL-2	Serial2	BOL
3	Serial0	BTCL-3	Serial3	LINK3

COL#en

COL#ping 192.168.1.100

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.1.100, timeout is 2 seconds:

!!!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 19/24/33 ms

COL#ping 192.168.1.202

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.1.202, timeout is 2 seconds:

.....

Success rate is 0 percent (0/5)

COL#ping 192.168.1.201

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.1.201, timeout is 2 seconds:

.....

Success rate is 0 percent (0/5)