Data and Digital Communications

PTACT3 Source Code and Output Screenshot
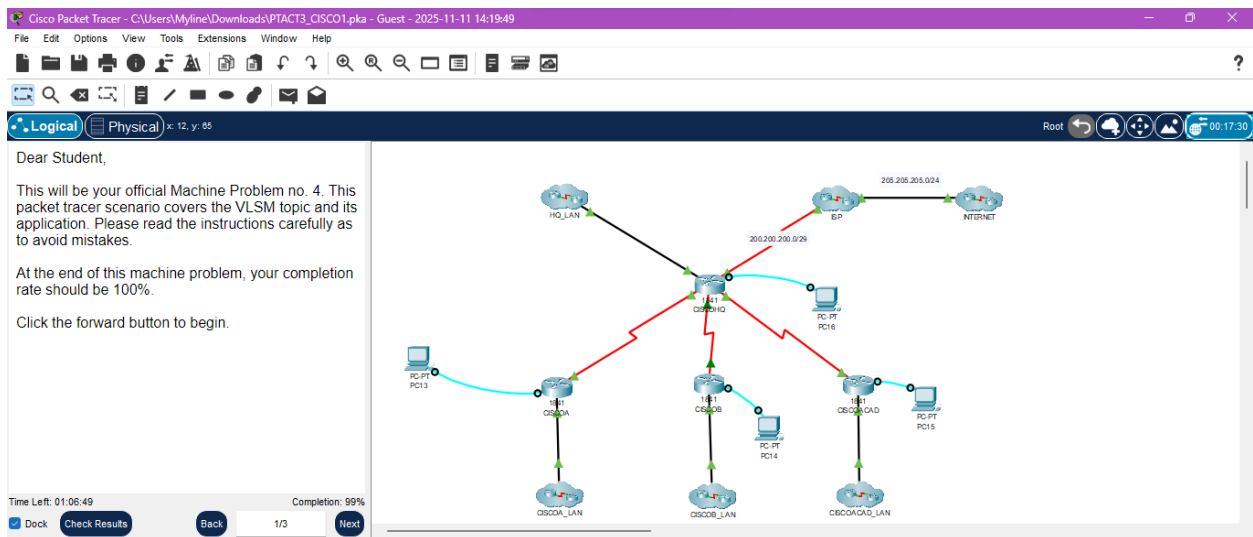
Delima, Sheena Mae D.

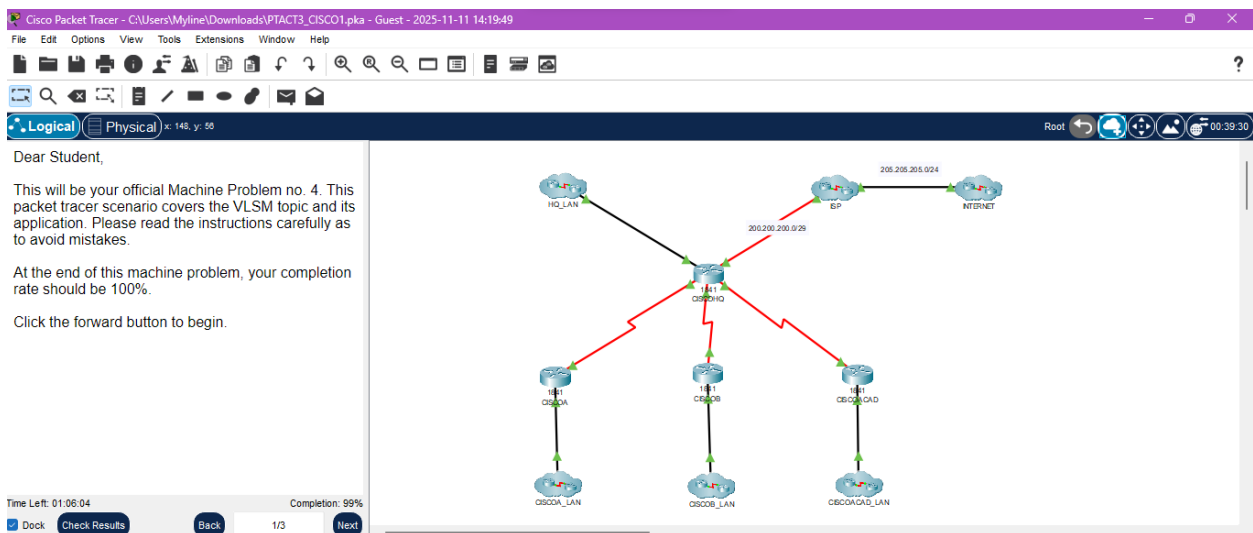BSCPE 3-3

11/17/2025

PTACT3 OUTPUT SS

Before

After

File Edit Options View Tools Extensions Window Help

Activity Results

Time Left: 01:05:37

You did not complete the activity. Please close this window and try again.

Overall Feedback | Assessment Items | Connectivity Tests

Expand/Collapse All | Show Incorrect Items

Score : 113/114
Item Count : 113/114

Component	Items/Total	Score
Ip	48/49	48/49
Other	24/24	24/24
Physical	28/28	28/28
Routing	13/13	13/13

Assessment Items	Status	Points	Component(s)	Feedback
Network				
ADMIN				
Default Gateway	Correct	1	Ip	
DNS Server IP	Correct	1	Ip	
Ports				
FastEthernet0				
IP Address	Correct	1	Ip	
Subnet Mask	Correct	1	Ip	
CISCOA				
Console Line				
Logging Synch	Correct	1	Physical	
Login	Correct	1	Physical	
Password	Correct	1	Other	
Enable Secret	Correct	1	Other	
Host Name	Correct	1	Other	
Ports				
FastEthernet0/0				
Helper Addresses		0	Routing	
Helper Address	Correct	1	Routing	
IP Address	Correct	1	Ip	
Subnet Mask	Correct	1	Ip	
Serial0/0/0				
IP Address	Correct	1	Ip	
Subnet Mask	Correct	1	Ip	
RIP				
Networks		0	Routing	
(deprecated) Route0	Correct	1	Routing	
Version	Correct	1	Routing	
Service Password Encryption	Correct	1	Other	
VTY Lines				

Close

Time Left: 01:05:28

Score : 113/114
Item Count : 113/114

Component	Items/Total	Score
Ip	48/49	48/49
Other	24/24	24/24
Physical	28/28	28/28
Routing	13/13	13/13

PTACT3 SOURCE CODE

===CISCO A===

```
ena

conf t

hostname CISCOA

line con 0

pass cisco1

login

logging synchronous

line vty 0 4

pass cisco1

login

exit

enable pass sheenamae

ena sec vlsm

banner motd #LEARN AS MUCH AS YOU CAN CISCO1 STUDENTS!!!#

service password-encryption

do wr


en

config t

int fa0/0

description CISCO_A_LAN

ip address 172.16.64.1 255.255.224.0

no shut

ip helper-address 172.16.100.2
```

```
int se0/0/0

description to CISCO_HQ

ip address 172.16.100.66 255.255.255.252

no shut

exit


router rip

version 2

no auto-summary

network 172.16.64.0

network 172.16.100.64

do wr



===CISCOACAD===

ena

conf t

hostname CISCOACAD

line con 0

pass cisco1

login

logging synchronous

line vty 0 4

pass cisco1

login

exit

enable pass sheenamae

ena sec vlsm

banner motd #LEARN AS MUCH AS YOU CAN CISCO1 STUDENTS!!!#

service password-encryption

do wr
```

```
en

config t

int fa0/0

description ACAD_LAN

ip address 172.16.0.1 255.255.192.0

no shut

ip helper-address 172.16.100.2

int se0/0/0

description to CISCO_HQ

ip address 172.16.100.74 255.255.255.252

no shut


router rip

version 2

no auto-summary

network 172.16.0.0

network 172.16.100.72

do wr


===CISCO B===

ena

conf t

hostname CISCOB

line con 0

pass cisco1

login

logging synchronous

line vty 0 4

pass cisco1

login
```

```
exit

enable pass sheenamae

ena sec vlsm

banner motd #LEARN AS MUCH AS YOU CAN CISCO1 STUDENTS!!!#

service password-encryption

do wr


en

config t

int fa0/0

description CISCO_B_LAN

ip address 172.16.96.1 255.255.252.0

no shut

ip helper-address 172.16.100.2

int se0/0/0

description to CISCO_HQ

ip address 172.16.100.70 255.255.255.252

no shut


router rip

version 2

no auto-summary

network 172.16.96.0

network 172.16.100.68

do wr


===CISCO HQ===

ena

conf t

hostname CISCOHQ

line con 0
```

```
pass cisco1

login

logging synchronous

exit

enable pass sheenamae

ena sec vlsm

banner motd #LEARN AS MUCH AS YOU CAN CISCO1 STUDENTS!!!#

service password-encryption

do wr


en

config t

ip domain-name ciscohq.local

crypto key generate rsa ?

768

ip ssh version 2

line vty 0 4

pass cisco1

login

transport input ssh

exit

ip domain-name CISCOHQ

do wr


en

config t

int fa0/0

description HQ_LAN

ip address 172.16.100.1 255.255.255.192

no shut

ip helper-address 172.16.100.2
```

```
int se0/0/0

description to CISCO_A (WAN A)

ip address 172.16.100.65 255.255.255.252

no shut

clock rate 64000

int se0/0/1

description to CISCO_B (WAN B)

ip address 172.16.100.69 255.255.255.252

no shut

clock rate 64000

int se0/1/0

description to CISCO_ACAD (WAN C)

ip address 172.16.100.73 255.255.255.252

no shut

clock rate 64000

int se0/1/1

description to ISP

ip address 200.200.200.1 255.255.255.248

no shut

do wr


en

config t

router rip

version 2

no auto-summary

network 172.16.0.0

default-information originate

exit

ip route 0.0.0.0 0.0.0.0 200.200.200.6

do wr
```

```
enable

copy running-config tftp

172.16.100.4

CISCOHQ

do wr
```

===ADMIN===

IP ADDRESS: 172.16.100.62

SUBNETMASK: 255.255.255.192

DEFAULT GATEWAY: 172.16.100.1

DNS SERVER IP: 172.16.100.3

===DHCP===

IP ADDRESS: 172.16.100.2

SUBNETMASK: 255.255.255.192

DEFAULT GATEWAY: 172.16.100.1

===DNS===

IP ADDRESS: 172.16.100.3

SUBNETMASK: 255.255.255.192

DEFAULT GATEWAY: 172.16.100.1

===TFTP===

IP ADDRESS: 172.16.100.4

SUBNETMASK: 255.255.255.192

DEFAULT GATEWAY: 172.16.100.1

===LaptopA===

IP ADDRESS: 172.16.95.254

SUBNETMASK: 255.255.224.0

DEFAULT GATEWAY: 172.16.64.1

DNS SERVER IP: 172.16.100.3

===LaptopB===

IP ADDRESS: 172.16.99.254

SUBNETMASK: 255.255.252.0

DEFAULT GATEWAY: 172.16.96.1

DNS SERVER IP: 172.16.100.3

===LaptopACAD===

IP ADDRESS: 172.16.63.254

SUBNETMASK: 255.255.192.0

DEFAULT GATEWAY: 172.16.0.1

DNS SERVER IP: 172.16.100.3

POWER ON ALL PCS THAT SET AS TURNED OFF