

Cisco Packet Tracer - C:\Users\NulSpecter\Downloads\DMZ_PROJECT.pka - Guest - 2025-08-22 17:51:06

File Edit Options View Tools Extensions Window Help

Activity Results

Time Elapsed: 02:15:17

Congratulations Guest! You completed the activity.

Overall Feedback Assessment Items Connectivity Tests

Below are the results of your connectivity tests:

	Status	Test Condition	Points	Source	Destination	Type
1	Correct	Successful	1	PC_Internal	192.168.1.1 : 192.168.1.1	ICMP
2	Correct	Successful	1	Web_DMZ	192.168.2.1 : 192.168.2.1	ICMP
3	Correct	Successful	1	PC_External	192.168.3.1 : 192.168.3.1	TCP
4	Correct	Successful	1	PC_Internal	192.168.2.10 : 192.168.2.10	TCP
5	Correct	Fail	2	Web_DMZ	PC_Internal : 192.168.1.10	ICMP
6	Correct	Fail	3	PC_External	192.168.3.1 : 192.168.3.1	ICMP
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						

Close

Cisco Packet Tracer - C:\Users\NulSpecter\Downloads\DMZ_PROJECT.pka - Guest - 2025-08-22 17:51:06

File Edit Options View Tools Extensions Window Help

Activity Results

Time Elapsed: 02:15:30

Congratulations Guest! You completed the activity.

Overall Feedback Assessment Items Connectivity Tests

Expand/Collapse All Show Incorrect Items

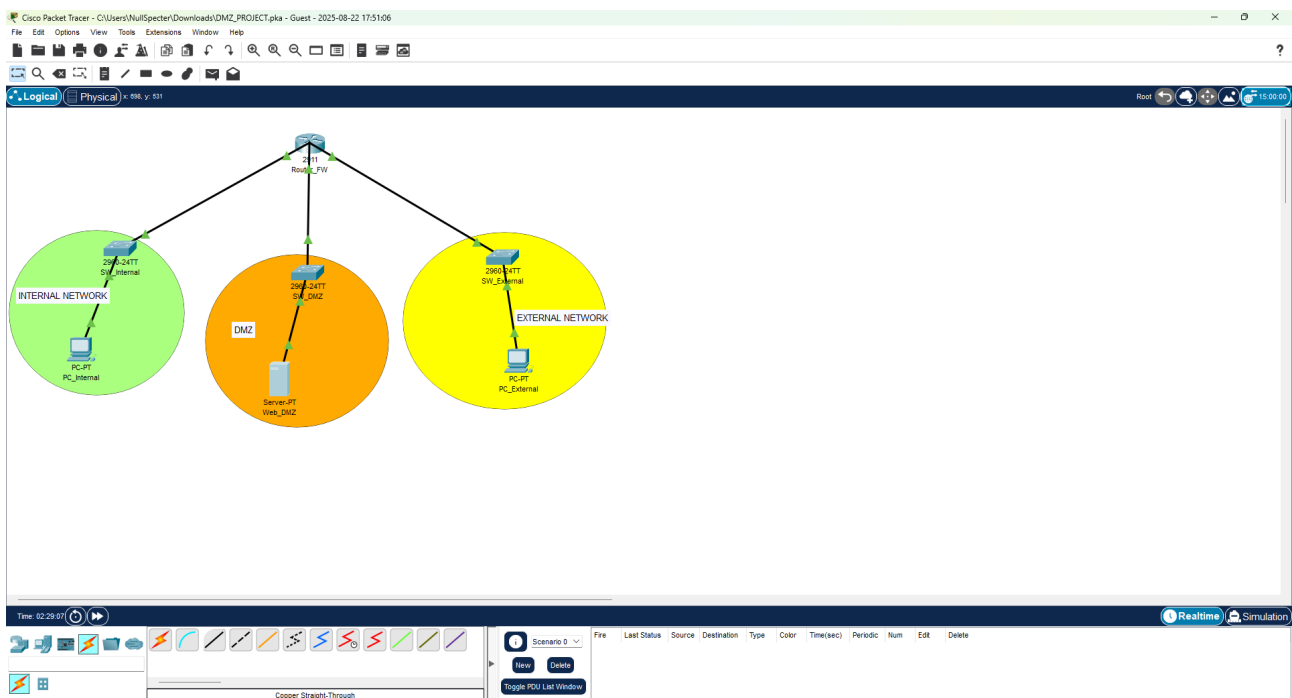
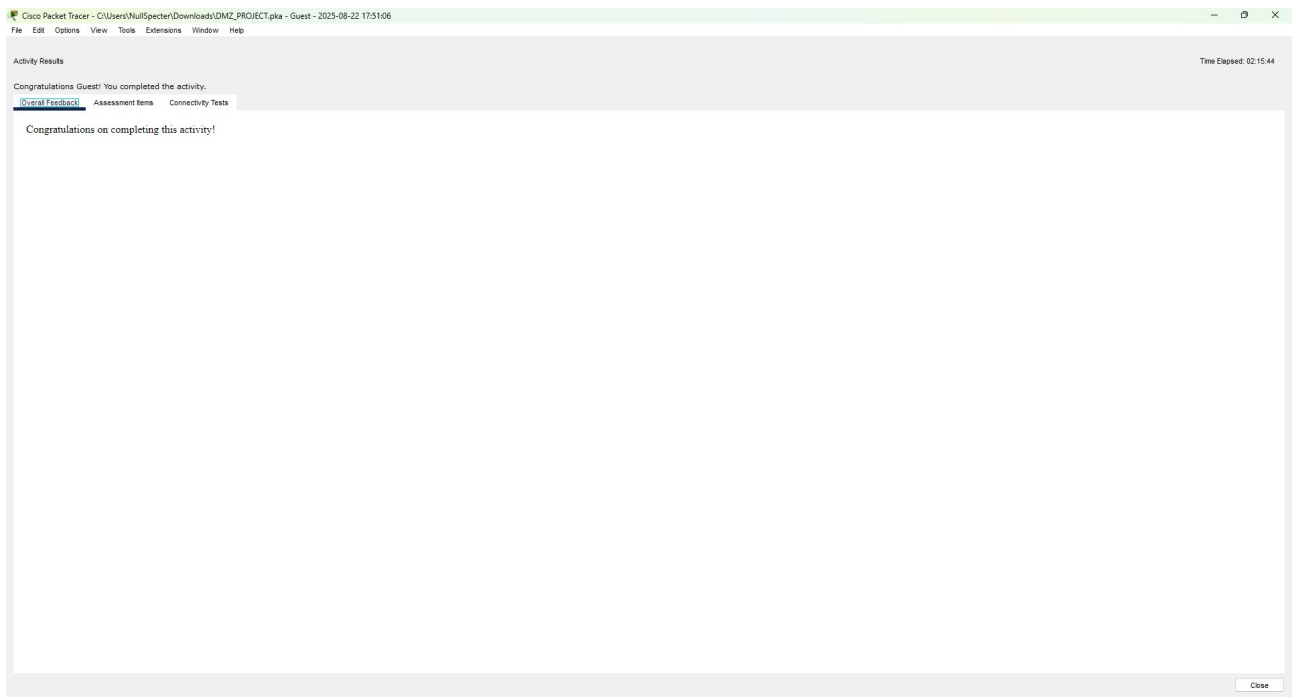
Assessment Items /	Status	Points	Component(s)	Feedback
✔ Network	Correct	0	Other	

Close

Score : 9/9

Item Count : 6/9

Component	Items/Total	Score
Connectivity		
Connectivity Tests	6/6	9/9



PC_Internal

Physical

Config

Desktop

Programming

Attributes

IP Configuration

Interface

FastEthernet0

IP Configuration

☐ DHCP

☒ Static

IPv4 Address

192.168.1.10

Subnet Mask

255.255.255.0

Default Gateway

192.168.1.1

DNS Server

0.0.0.0

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

/

Link Local Address

FE80::201:97FF:FE84:2D10

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication

MD5

Username

Password

☐ Top

Web_DMZ

PhysicalConfigServicesDesktopProgrammingAttributes

IP Configuration

X

IP Configuration

☐ DHCP

☒ Static

IPv4 Address

192.168.2.10

Subnet Mask

255.255.255.0

Default Gateway

192.168.2.1

DNS Server

0.0.0.0

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

/

Link Local Address

FE80::2D0:58FF:FE48:3BC0

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication

MD5

Username

Password

☐ Top

PC_External

Physical

Config

Desktop

Programming

Attributes

IP Configuration

X

InterfaceFastEthernet0

IP Configuration

☐ DHCP

☒ Static

IPv4 Address192.168.3.10

Subnet Mask255.255.255.0

Default Gateway192.168.3.1

DNS Server0.0.0.0

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address/

Link Local AddressFE80::2D0:BCFF:FE53:B9C9

Default Gateway

Router_FW

Physical

Config

CLI

Attributes

IOS Command Line Interface

Router_FW>enable

Router_FW#show running-config

Building configuration...

Current configuration : 1215 bytes

!

version 15.1

no service timestamps log datetime msec

no service timestamps debug datetime msec

no service password-encryption

!

hostname Router_FW

!

!

!

!

!

!

!

ip cef

no ipv6 cef

!

!

!

license udi pid CISCO2911/K9 sn FTX1524Y853-

!

!

!

!

!


!

--More--

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☐ Top

 Router_FW

Physical

Config

CLI

Attributes


IOS Command Line Interface

```
!
license udi pid CISCO2911/K9 sn FTX1524Y853-
!
!
!
!
!
!
!
!
!
!
spanning-tree mode pvst
!
!
!
!
!
interface GigabitEthernet0/0
ip address 192.168.1.1 255.255.255.0
duplex auto
speed auto
!
interface GigabitEthernet0/1
ip address 192.168.2.1 255.255.255.0
ip access-group 120 in
ip nat inside
duplex auto
speed auto
!
interface GigabitEthernet0/2
ip address 192.168.3.1 255.255.255.0
ip access-group 110 in
ip nat outside
--More--
```

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 Router_FW

Physical

Config

CLI

Attributes

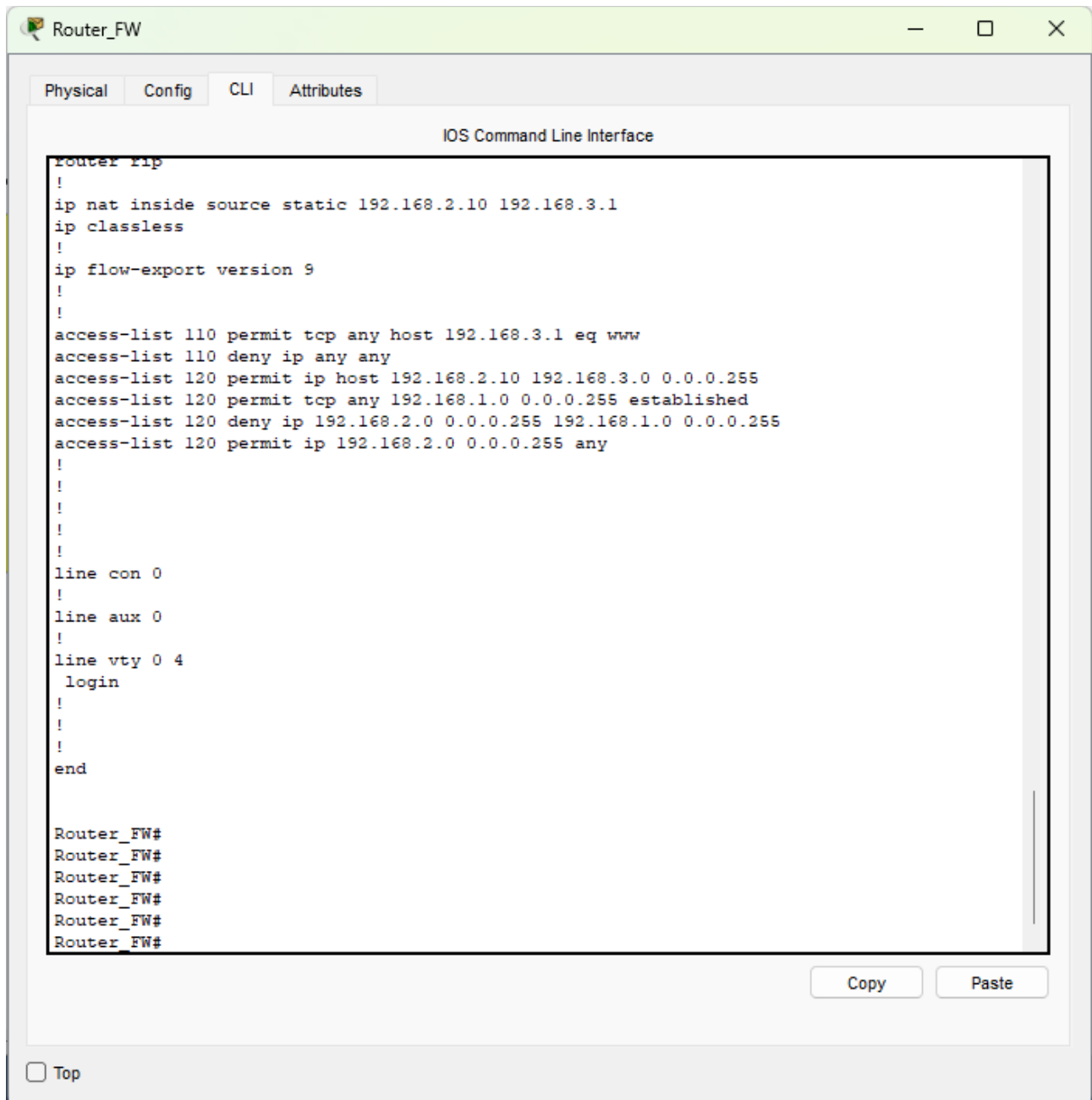
IOS Command Line Interface

```
!
interface GigabitEthernet0/0
ip address 192.168.1.1 255.255.255.0
duplex auto
speed auto
!
interface GigabitEthernet0/1
ip address 192.168.2.1 255.255.255.0
ip access-group 120 in
ip nat inside
duplex auto
speed auto
!
interface GigabitEthernet0/2
ip address 192.168.3.1 255.255.255.0
ip access-group 110 in
ip nat outside
duplex auto
speed auto
!
interface Vlan1
no ip address
shutdown
!
router rip
!
ip nat inside source static 192.168.2.10 192.168.3.1
ip classless
!
ip flow-export version 9
!
!
access-list 110 permit tcp any host 192.168.3.1 eq www
access-list 110 deny ip any any
access-list 120 permit ip host 192.168.2.10 192.168.3.0 0.0.0.255
access-list 120 permit tcp any 192.168.1.0 0.0.0.255 established
--More--
```

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Router FW

Router_FW

Physical

Config

CLI

Attributes

IOS Command Line Interface

```
!
line con 0
!
line aux 0
!
line vty 0 4
  login
!
!
!
end

Router_FW#
Router_FW#
Router_FW#
Router_FW#
Router_FW#
Router_FW#show ip nat translations
Pro  Inside global      Inside local      Outside local      Outside global
---  192.168.3.1          192.168.2.10      ---                ---
tcp  192.168.3.1:80     192.168.2.10:80   192.168.3.10:1024  192.168.3.10:1024
tcp  192.168.3.1:80     192.168.2.10:80   192.168.3.10:1025  192.168.3.10:1025
tcp  192.168.3.1:80     192.168.2.10:80   192.168.3.10:1026  192.168.3.10:1026
tcp  192.168.3.1:80     192.168.2.10:80   192.168.3.10:1029  192.168.3.10:1029

Router_FW#show access-lists
Extended IP access list 110
  10 permit tcp any host 192.168.3.1 eq www (91 match(es))
  20 deny ip any any (37 match(es))
Extended IP access list 120
  5 permit ip host 192.168.2.10 192.168.3.0 0.0.0.255 (15 match(es))
  10 permit tcp any 192.168.1.0 0.0.0.255 established (6 match(es))
  20 deny ip 192.168.2.0 0.0.0.255 192.168.1.0 0.0.0.255 (3 match(es))
  30 permit ip 192.168.2.0 0.0.0.255 any (3 match(es))

Router_FW#
```

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