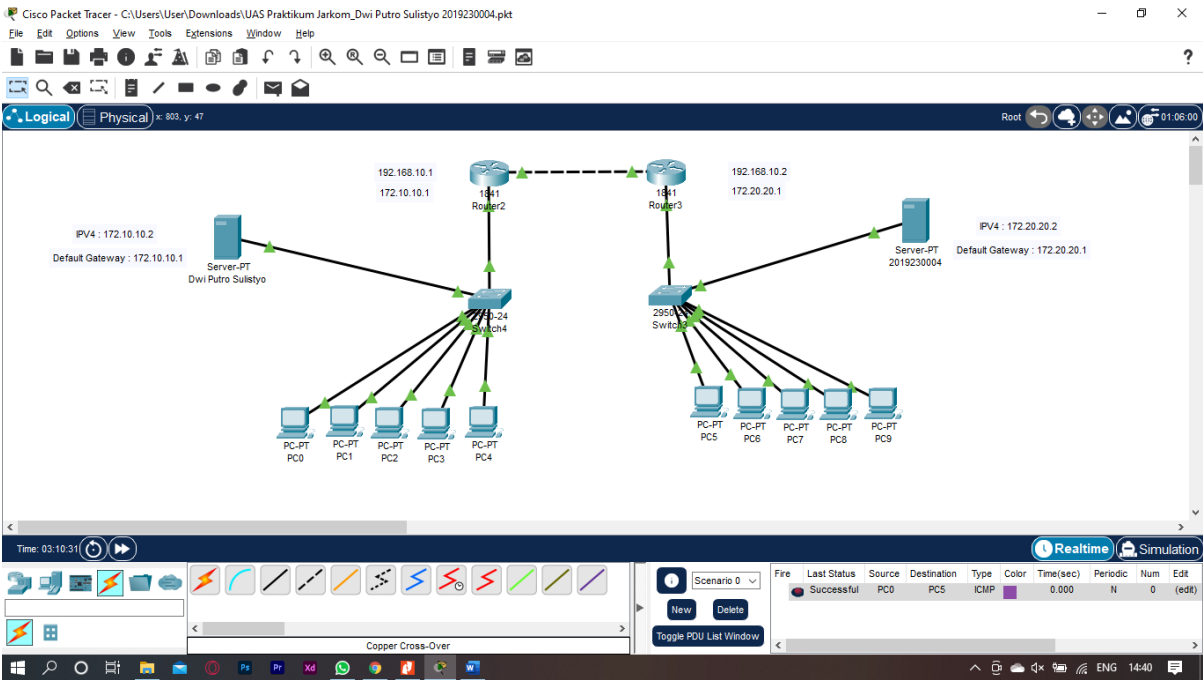




1. Tampilan Konsep Jaringan UAS_Dwi Putro Sulistyo



2. Setting IP Server 1

Dwi Putro Sulistyo

Physical Config Services Desktop Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 172.10.10.2

Subnet Mask: 255.255.0.0

Default Gateway: 172.10.10.1

DNS Server: 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::201:97FF:FE0B:A26C

Default Gateway:

DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username:

Password:

3. Sertting IP Server 2

2019230004

Physical

Config

Services

Desktop

Programming

Attributes

IP Configuration

X

IP Configuration

DHCP

Static

IPv4 Address

172.20.20.2

Subnet Mask

255.255.0.0

Default Gateway

172.20.20.1

DNS Server

0.0.0.0

IPv6 Configuration

Automatic

Static

IPv6 Address

/

Link Local Address

FE80::20D:BDFF:FEC5:E8DB

Default Gateway

DNS Server

802.1X

Use 802.1X Security

Authentication

MD5

Username

Password

Top

4. Setting DHCP Server 1

Dwi Putro Sulistyo

Physical

Config

Services

Desktop

Programming

Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

DHCP

Interface

FastEthernet0

Service

On

Off

Pool Name

serverPool

Default Gateway

172.10.10.1

DNS Server

0.0.0.0

Start IP Address :

172

10

0

0

Subnet Mask:

255

255

0

0

Maximum Number of Users :

50

TFTP Server:

0.0.0.0

WLC Address:

0.0.0.0

Add

Save

Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	172.10.1...	0.0.0.0	172.10.0.0	255.255...	50	0.0.0.0	0.0.0.0

Top

5. Setting DHCP Server 2

2019230004

Physical

Config

Services

Desktop

Programming

Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

DHCP

Interface

FastEthernet0

Service

On

Off

Pool Name

serverPool

Default Gateway

172.20.20.1

DNS Server

0.0.0.0

Start IP Address :

172

20

0

0

Subnet Mask:

255

255

0

0

Maximum Number of Users :

50

TFTP Server:

0.0.0.0

WLC Address:

0.0.0.0

Add

Save

Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	172.20.2...	0.0.0.0	172.20.0.0	255.255...	50	0.0.0.0	0.0.0.0

Top

6. Setting IP (Menggunakan DHCP) PC Client 0 Server 1 (Sebelah Kiri)

PC0

Physical

Config

Desktop

Programming

Attributes

IP Configuration

X

Interface

FastEthernet0

IP Configuration

DHCP

Static

IPv4 Address

172.10.10.7

Subnet Mask

255.255.0.0

Default Gateway

172.10.10.1

DNS Server

0.0.0.0

IPv6 Configuration

Automatic

Static

IPv6 Address /

Link Local Address

FE80::2E0:A3FF:FE91:A6E6

Default Gateway

DNS Server

802.1X

Use 802.1X Security

Authentication

MD5

Username

Password

Top

7. Setting IP (Menggunakan DHCP) PC Client 5 Server 2 (Sebelah Kanan)

PC5

Physical

Config

Desktop

Programming

Attributes

IP Configuration

X

Interface

FastEthernet0

IP Configuration

DHCP

Static

IPv4 Address

172.20.20.7

Subnet Mask

255.255.0.0

Default Gateway

172.20.20.1

DNS Server

0.0.0.0

IPv6 Configuration

Automatic

Static

IPv6 Address /

Link Local Address

FE80::209:7CFF:FE34:54DE

Default Gateway

DNS Server

802.1X

Use 802.1X Security

Authentication

MD5

Username

Password

Top

8. Setting IP Router 1 Eth 0

Router 1

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet0/0

Port Status

☒ On

Bandwidth

☒ 100 Mbps

☐ 10 Mbps

☒ Auto

Duplex

☐ Half Duplex

☒ Full Duplex

☒ Auto

MAC Address

0040.0B67.6A01

IP Configuration

IPv4 Address

192.168.10.1

Subnet Mask

255.255.255.0

Tx Ring Limit

10

Equivalent IOS Commands

%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

Router(config-if)## Bad secrets

Router(config-if)## Bad secrets

Router(config-if)## Bad secrets

Router(config-if)#

Router(config-if)#exit

Router(config)#interface FastEthernet0/0

Router(config-if)#

☐ Top

9. Setting IP Router 1 Eth 1

Router 1

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet0/1

Port Status

☒ On

Bandwidth

☒ 100 Mbps

☐ 10 Mbps

☒ Auto

Duplex

☐ Half Duplex

☒ Full Duplex

☒ Auto

MAC Address

0040.0B67.6A02

IP Configuration

IPv4 Address

172.10.10.1

Subnet Mask

255.255.0.0

Tx Ring Limit

10

Equivalent IOS Commands

Router(config-if)## Bad secrets

Router(config-if)## Bad secrets

Router(config-if)## Bad secrets

Router(config-if)#

Router(config-if)#exit

Router(config)#interface FastEthernet0/0

Router(config-if)#

Router(config-if)#exit

Router(config)#interface FastEthernet0/1

Router(config-if)#

☐ Top

10. Setting IP Router 2 Eth 0

Router 2

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet0/0

Port Status

☒ On

Bandwidth

☒ 100 Mbps

☐ 10 Mbps

☒ Auto

Duplex

☐ Half Duplex

☒ Full Duplex

☒ Auto

MAC Address

0010.1199.5E01

IP Configuration

IPv4 Address

192.168.10.2

Subnet Mask

255.255.255.0

Tx Ring Limit

10

Equivalent IOS Commands

Password:

Password:

Router>

Router>

Router>en

Password:

Router#Router#

Router#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#interface FastEthernet0/0

Router(config-if)#

☐ Top

11. Setting IP Router 2 Eth 1

Router 2

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet0/1

Port Status

☒ On

Bandwidth

☒ 100 Mbps

☐ 10 Mbps

☒ Auto

Duplex

☐ Half Duplex

☒ Full Duplex

☒ Auto

MAC Address

0010.1199.5E02

IP Configuration

IPv4 Address

172.20.20.1

Subnet Mask

255.255.0.0

Tx Ring Limit

10

Equivalent IOS Commands

Router>

Router>

Router>

Router>en

Password:

Router#Router#

Router#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#interface FastEthernet0/0

Router(config-if)#

Router(config-if)#exit

Router(config)#interface FastEthernet0/1

Router(config-if)#

☐ Top

12. Setting RIP Router 1

Router 1

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

RIP Routing

Network

Network Address

172.10.0.0

192.168.10.0

Add

Remove

Equivalent IOS Commands

Router(config-if)# Bad secrets

Router(config-if)# Bad secrets

Router(config-if)#

Router(config-if)#exit

Router(config)#interface FastEthernet0/0

Router(config-if)#

Router(config-if)#exit

Router(config)#interface FastEthernet0/1

Router(config-if)#

Router(config-if)#exit

Router(config)#router rip

Router(config-router)#

Top

13. Setting RIP Router 2

Router 2

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

RIP Routing

Network

Network Address

172.20.0.0

192.168.10.0

Add

Remove

Equivalent IOS Commands

Press RETURN to get started!

User Access Verification

Password:

Router>en

Password:

Router#Router#

Router#configure terminal

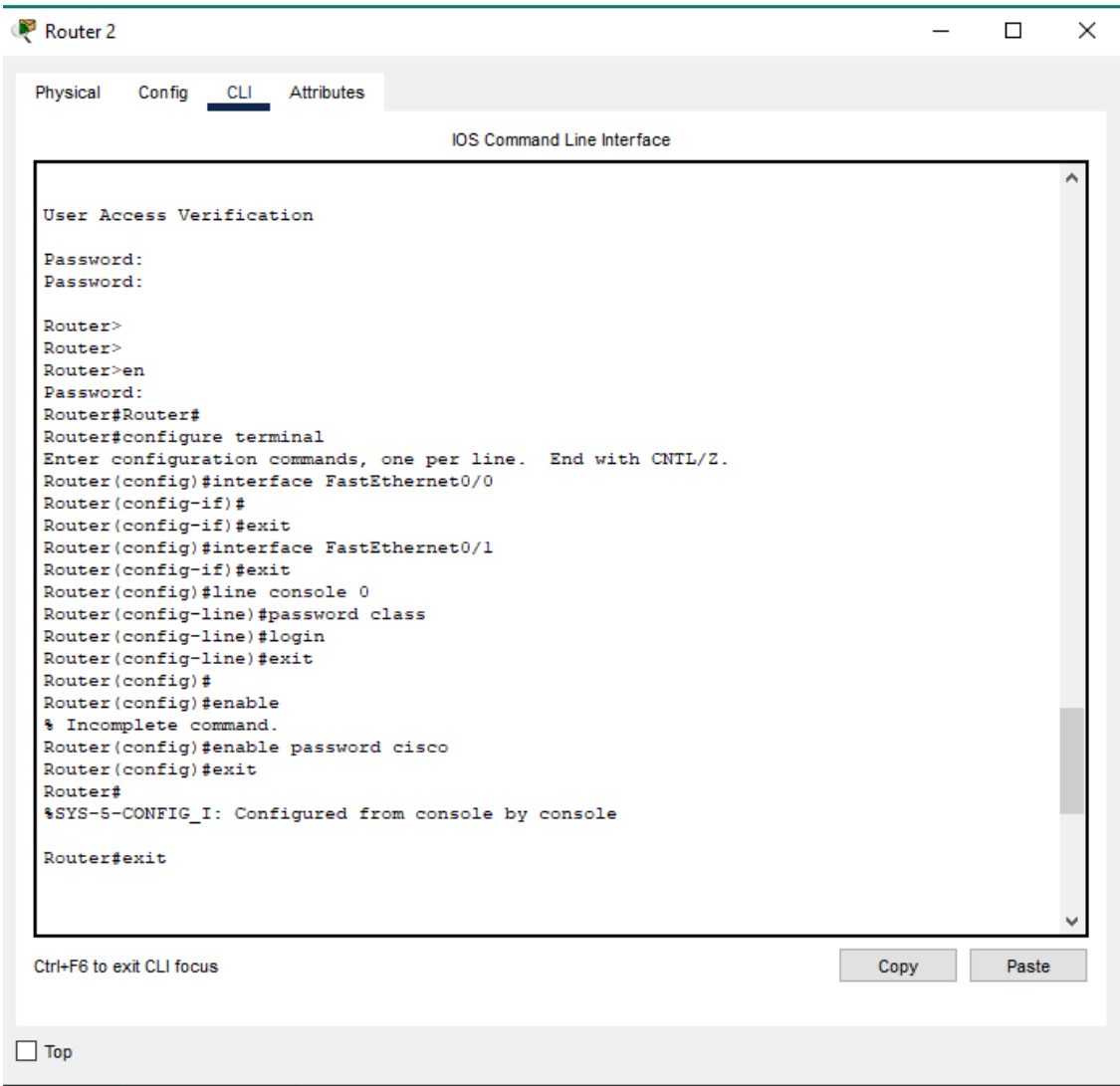
Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#router rip

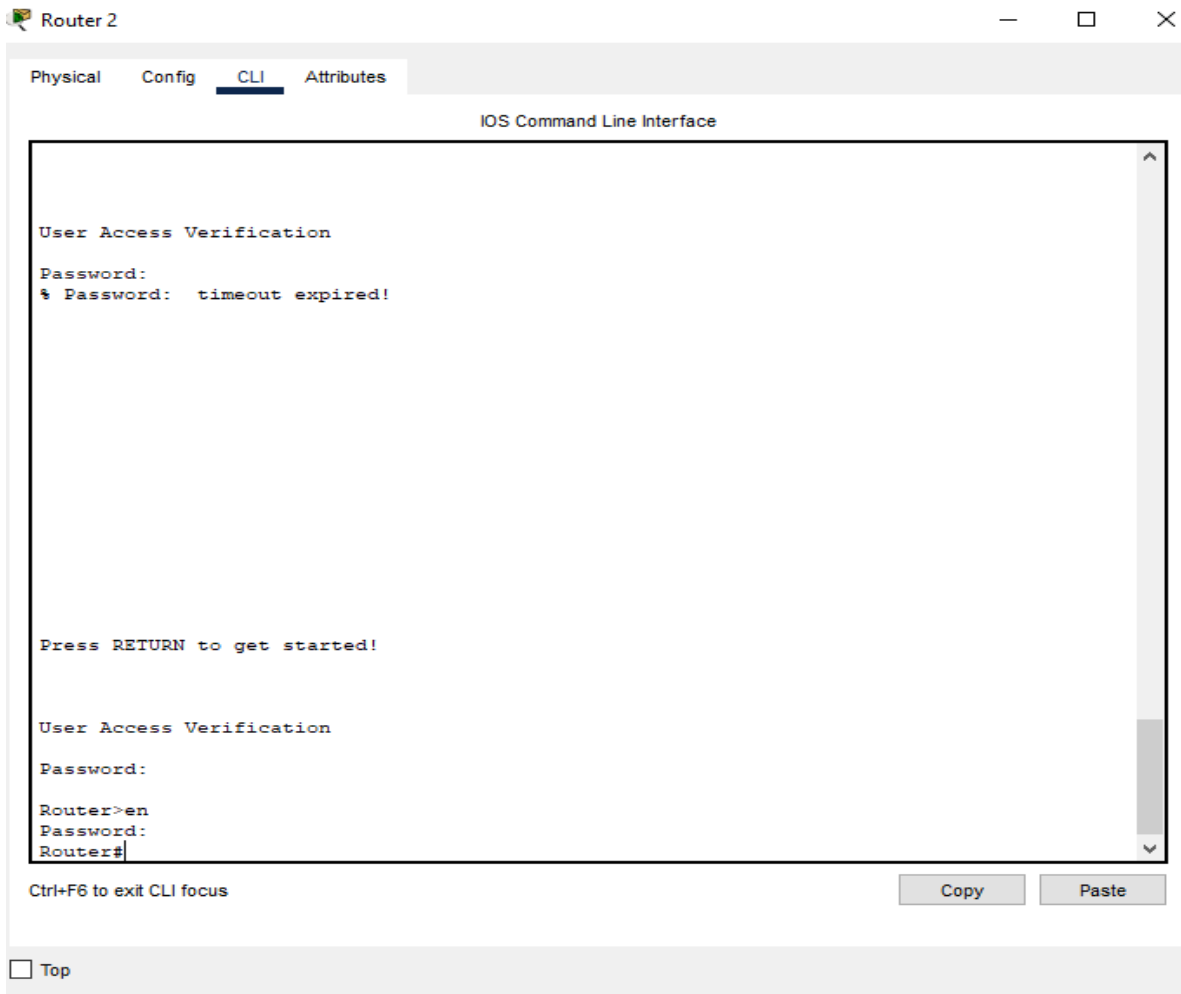
Router(config-router)#

Top

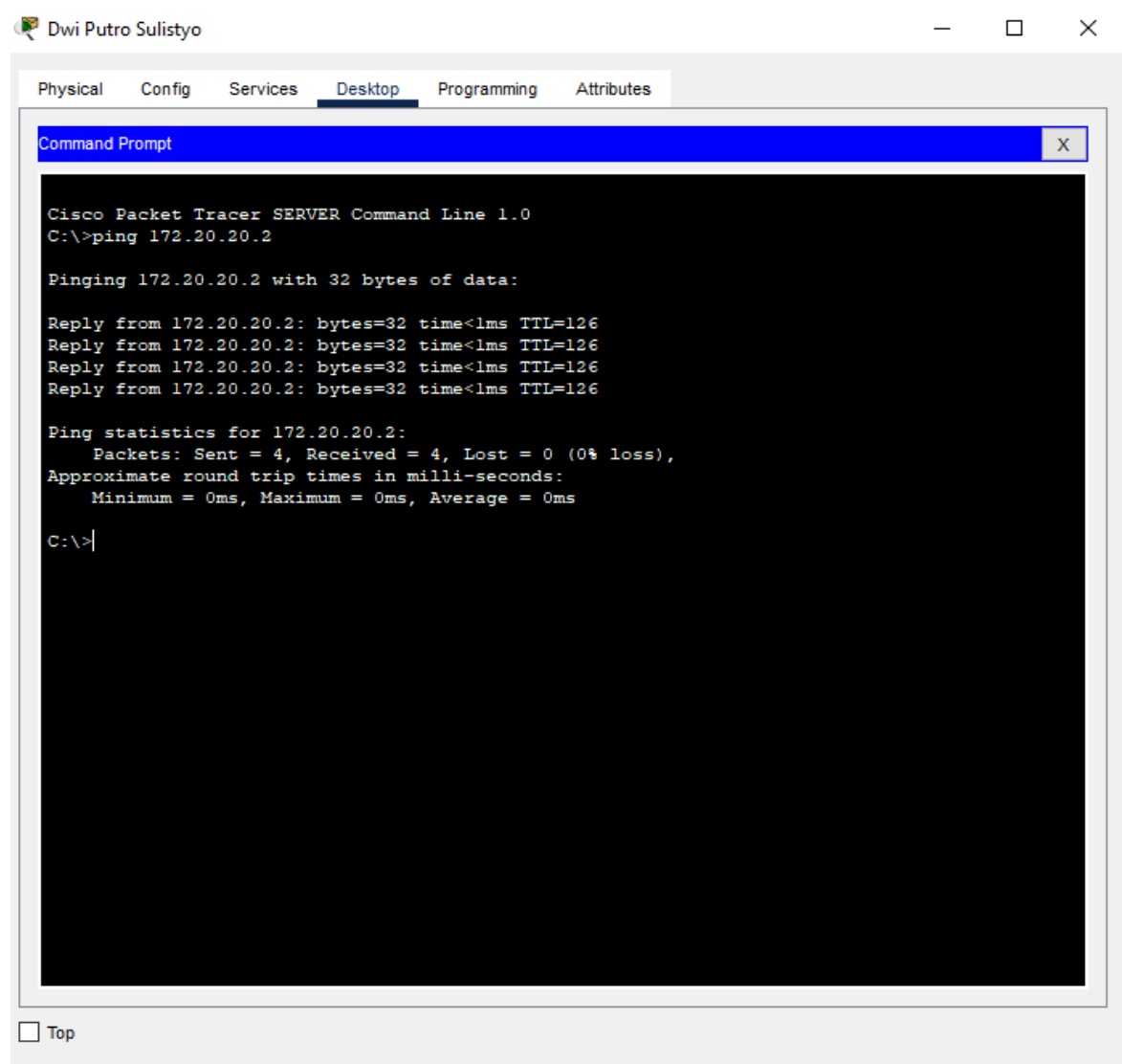
14. Setting Password Router 1 Dan 2



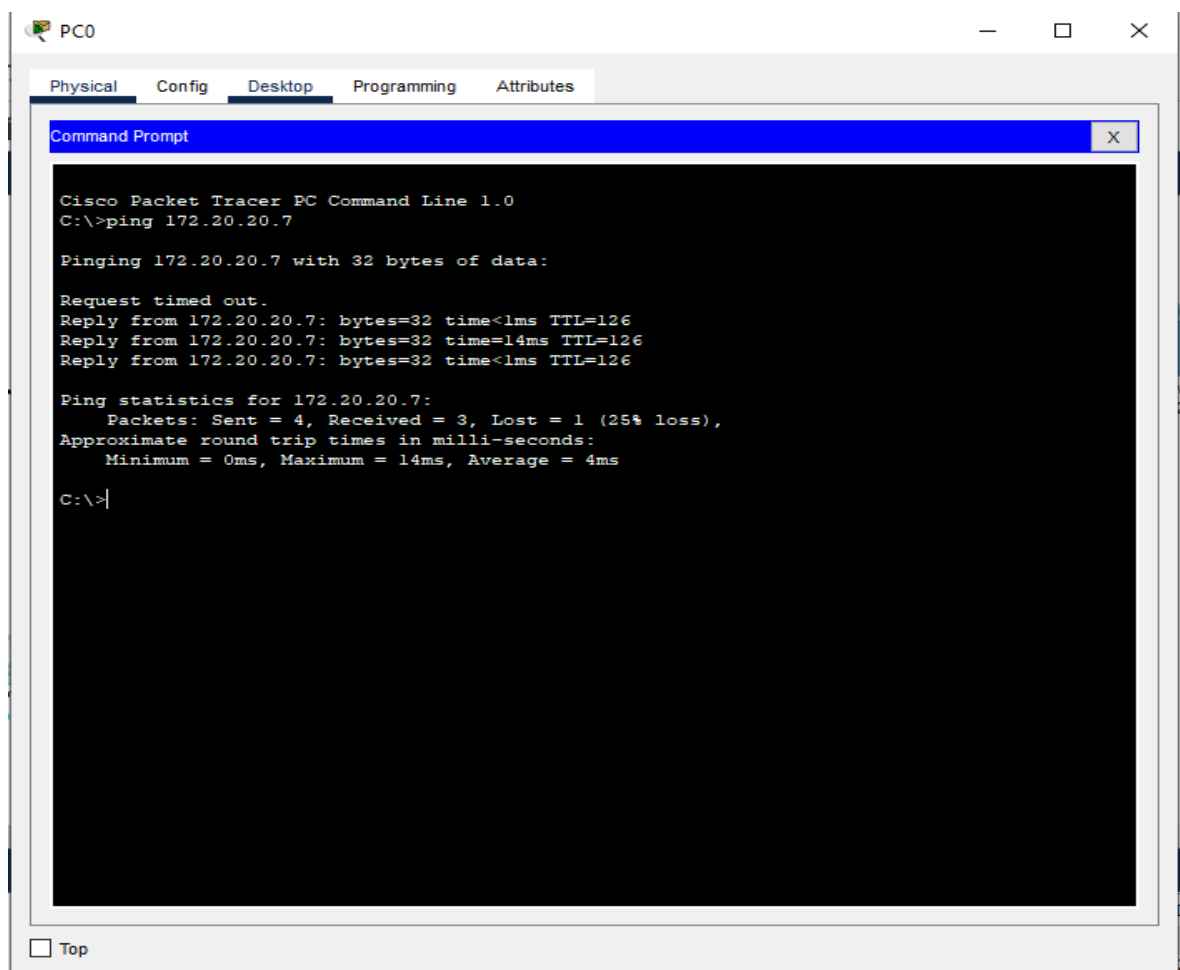
15. Hasil Setting Password Router 1 dan 2



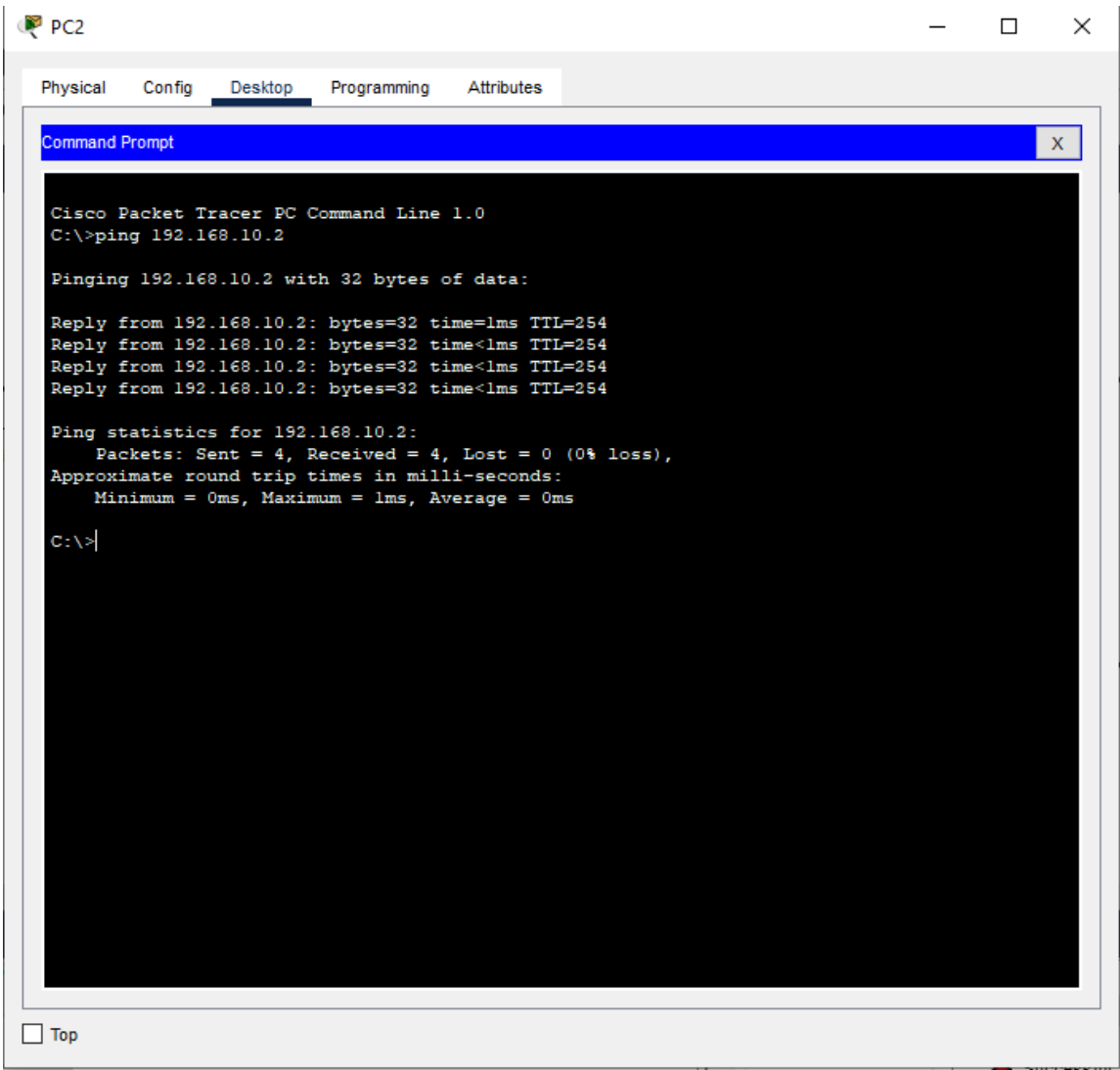
16. Percobaan Ping Dari Server 1 ke Server 2



17. Percobaan Ping PC 0 Ke PC 5



18. Percobaan Ping PC 2 Ke Router 2



19. Percobaan Ping Server 2 Ke Router 1

