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NIM   : L200170071

Kelas   : B

Modul 8

Router0

Physical | Config | CLI | Attributes

GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0

FastEthernet1/0

Port Status ☑ On

Bandwidth ◉ 100 Mbps ○ 10 Mbps ☑ Auto

Duplex ○ Half Duplex ◉ Full Duplex ☑ Auto

MAC Address 0004.9AA9.E11E

IP Configuration

IP Address 192.168.110.254

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
```

☐ Top

Router2

Physical | Config | CLI | Attributes

GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0

FastEthernet0/0

Port Status ☑ On
Bandwidth ◉ 100 Mbps ○ 10 Mbps ☑ Auto
Duplex ○ Half Duplex ◉ Full Duplex ☑ Auto
MAC Address 00E0.A395.20EA

IP Configuration
IP Address 192.168.10.2
Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
```

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Router2

Physical | Config | CLI | Attributes

GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0

FastEthernet1/0

Port Status ☑ On
Bandwidth ◉ 100 Mbps ○ 10 Mbps ☑ Auto
Duplex ○ Half Duplex ◉ Full Duplex ☑ Auto
MAC Address 0005.5ED1.A21D

IP Configuration
IP Address 192.168.120.254
Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
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 FastEthernet1/0
Router(config-if)#
```

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PC1
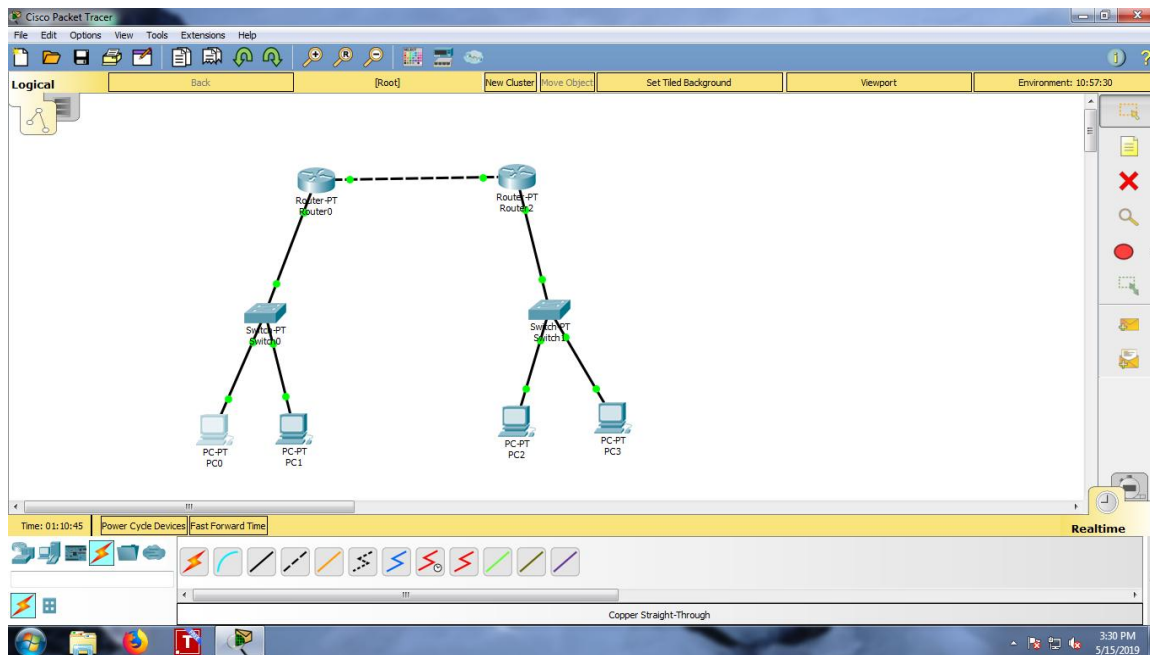
Physical | Config | Desktop | Programming | Attributes

IP Configuration   X

IP Configuration

○ DHCP   ● Static

IP Address	192.168.110.4
Subnet Mask	255.255.255.0
Default Gateway	192.168.110.254
DNS Server	0.0.0.0

IPv6 Configuration

○ DHCP   ○ Auto Config   ● Static

IPv6 Address	/
Link Local Address	FE80::20B:BEFF:FE68:A3B
IPv6 Gateway	
IPv6 DNS Server	

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PC2

Physical | Config | Desktop | Programming | Attributes

IP Configuration   X

IP Configuration

○ DHCP   ● Static

IP Address	192.168.120.3
Subnet Mask	255.255.255.0
Default Gateway	192.168.120.254
DNS Server	0.0.0.0

IPv6 Configuration

○ DHCP   ○ Auto Config   ● Static

IPv6 Address	/
Link Local Address	FE80::230:F2FF:FE03:243D
IPv6 Gateway	
IPv6 DNS Server	

☐ Top

PC3

Physical | Config | Desktop | Programming | Attributes

IP Configuration   X

IP Configuration

- ○ DHCP   ● Static

IP Address	192.168.120.4
Subnet Mask	255.255.255.0
Default Gateway	192.168.120.254
DNS Server	0.0.0.0

IPv6 Configuration

- ○ DHCP   ○ Auto Config   ● Static

IPv6 Address	/
Link Local Address	FE80::20C:CFFF:FEA9:A175
IPv6 Gateway	
IPv6 DNS Server	
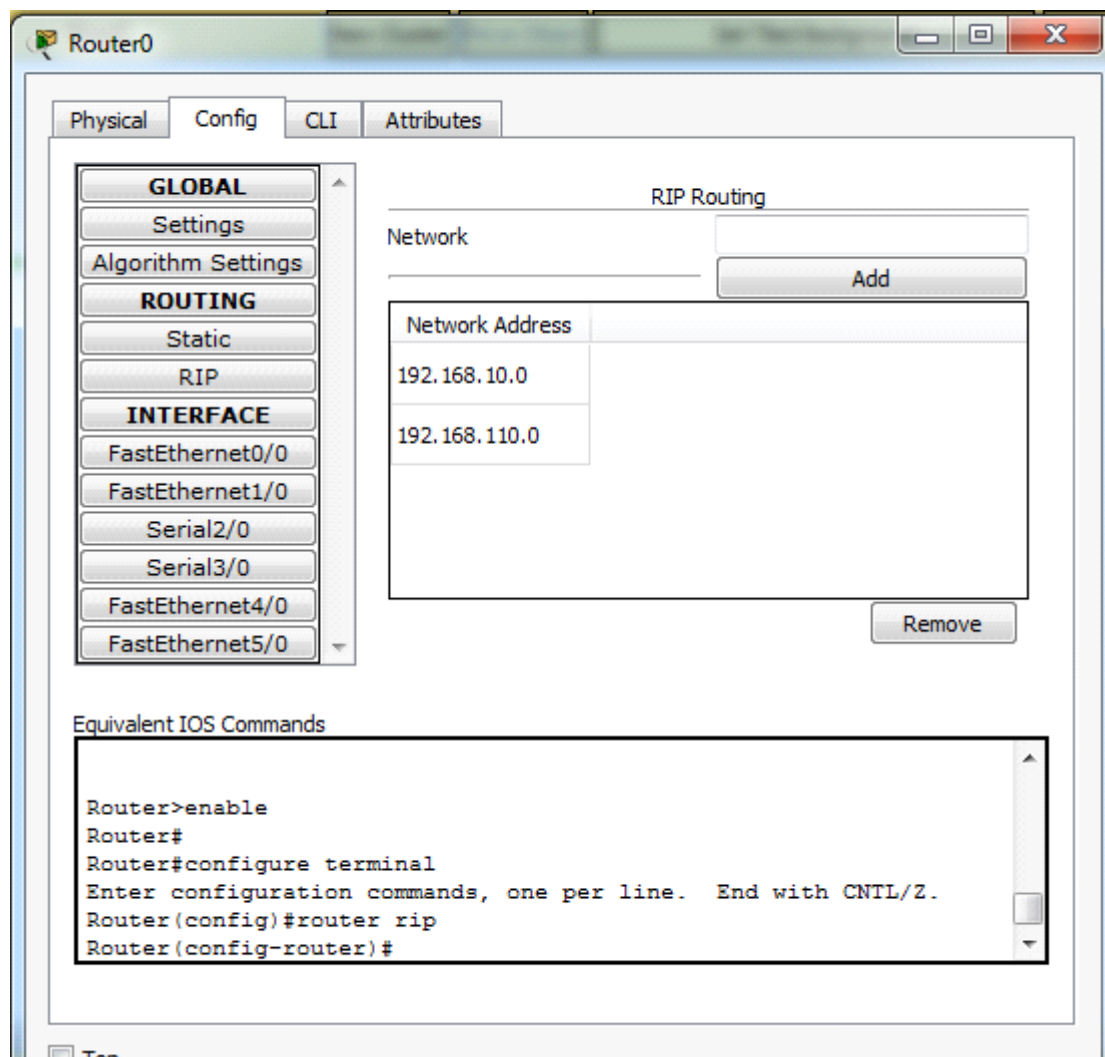
☐ Top

Router0

Physical | Config | CLI | Attributes

GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0

RIP Routing

Network [ ]

Add

| Network Address |
| --- |
| 192.168.10.0 |
| 192.168.110.0 |

Remove

Equivalent IOS Commands

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
```

☐ Top

Router2

Physical | Config | CLI | Attributes

GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0

RIP Routing

Network

Add

Network Address
192.168.10.0
192.168.120.0

Remove

Equivalent IOS Commands

```
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#
```

☐ Top

Router0

Physical | Config | CLI | Attributes

IOS Command Line Interface

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
%SYS-5-CONFIG_I: Configured from console by console

Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
```

Ctrl+F6 to exit CLI focus

Copy   Paste

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Router2

Physical | Config | **CLI** | Attributes

IOS Command Line Interface

```
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is not set

C    192.168.10.0/24 is directly connected, FastEthernet0/0
C    192.168.120.0/24 is directly connected, FastEthernet1/0

Router#
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
%SYS-5-CONFIG_I: Configured from console by console
no network 192.168.110.0
Router(config-router)#network 192.168.120.0
Router(config-router)#
```

Ctrl+F6 to exit CLI focus

Copy | Paste

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PC0

Physical | Config | Desktop | Programming | Attributes

Command Prompt   X

```
Pinging 192.168.120.3 with 32 bytes of data:

Reply from 192.168.120.3: bytes=32 time=1ms TTL=126
Reply from 192.168.120.3: bytes=32 time<1ms TTL=126
Reply from 192.168.120.3: bytes=32 time<1ms TTL=126
Reply from 192.168.120.3: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.120.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.120.4

Pinging 192.168.120.4 with 32 bytes of data:

Reply from 192.168.120.4: bytes=32 time<1ms TTL=126
Reply from 192.168.120.4: bytes=32 time=1ms TTL=126
Reply from 192.168.120.4: bytes=32 time=1ms TTL=126
Reply from 192.168.120.4: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.120.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

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