

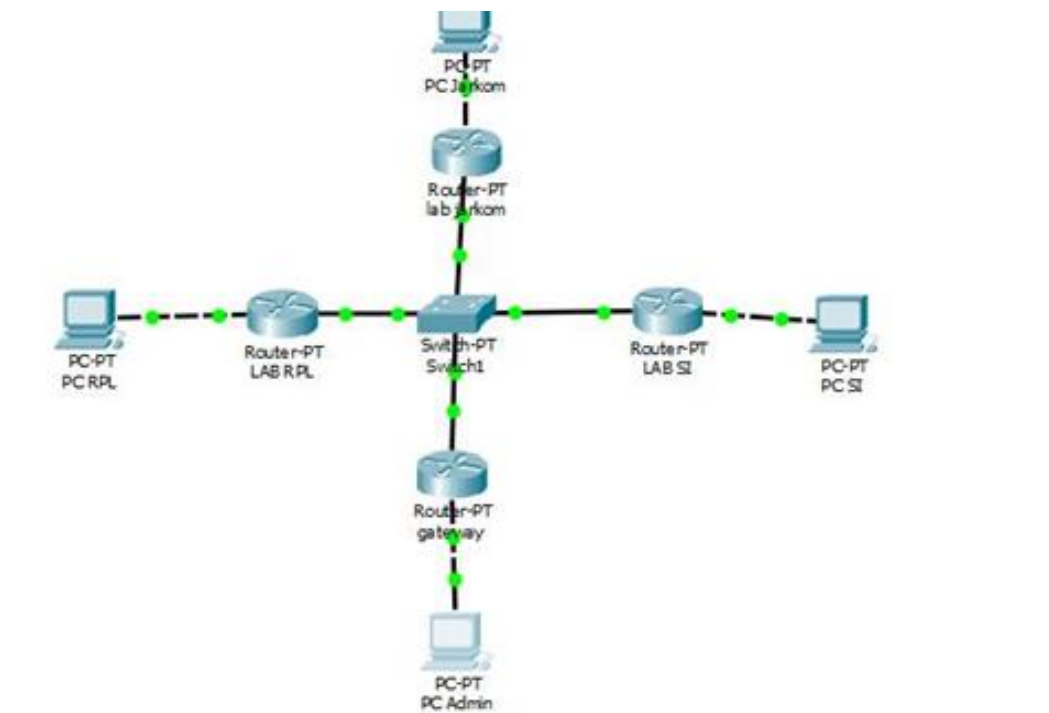
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Kelas : D

Laporan Praktikum Jaringan Komputer

Tugas Modul 11



Konfigurasi Router Jarkom

```
Router>en
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa /0
      ^
% Invalid input detected at '^' marker.

Router(config)#int fa 0/0
Router(config-if)#ip address 172.16.0.1 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#int fa 1/0
Router(config-if)#ip address 172.15.0.1 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

Router(config-if)#ex
Router(config)#hostname jarkom
jarkom(config)#
```

Konfigurasi Router RPL

```
Router>en
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa 0/0
Router(config-if)#ip address 172.16.0.1 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0,
changed state to up

Router(config-if)#int fa 1/0
Router(config-if)#ip address 172.15.0.3 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0,
changed state to up

Router(config-if)#
```

Konfigurasi Router SI

```
Router>en
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname SI
SI(config)#int fa 0/0
SI(config-if)#ip address 172.17.0.1 255.255.255.0
SI(config-if)#no shutdown

SI(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0,
changed state to up

SI(config-if)#int fa 1/0
SI(config-if)#ip address 172.15.0.2 255.255.255.0
SI(config-if)#no shutdown

SI(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0,
changed state to up

SI(config-if)#
```

Konfigurasi Router Gateway

```
Router>en
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname UMS
UMS(config)#int fa 0/0
UMS(config-if)#ip address 172.19.0.1 255.255.255.0
UMS(config-if)#no shutdown

UMS(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0,
changed state to up

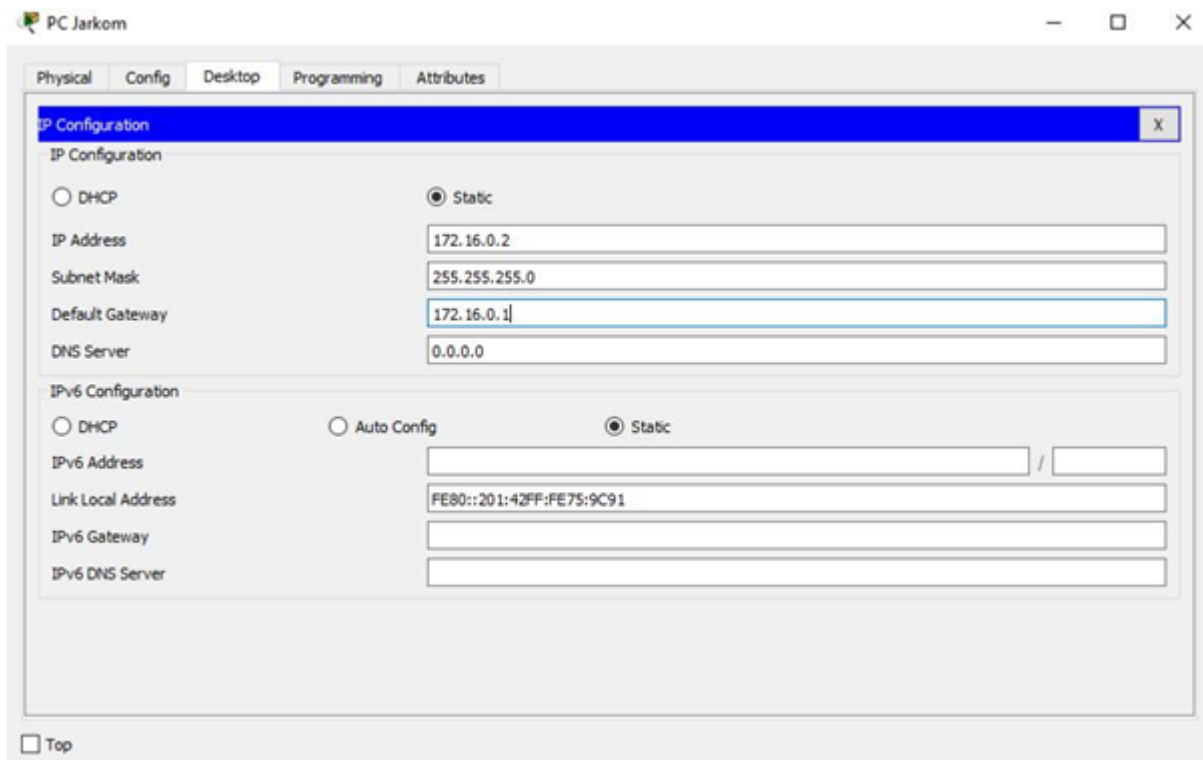
UMS(config-if)#int fa 1/0
UMS(config-if)#ip address 172.15.0.4 255.255.255.0
UMS(config-if)#no shutdown

UMS(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0,
changed state to up

UMS(config-if)#
```

Konfigurasi PC Jarkom



The screenshot shows the 'PC Jarkom' configuration window with the 'Config' tab selected. The 'IP Configuration' section is active, showing 'Static' as the selected option. The IP Address is 172.16.0.2, Subnet Mask is 255.255.255.0, Default Gateway is 172.16.0.1, and DNS Server is 0.0.0.0. The 'IPv6 Configuration' section is also visible, with 'Static' selected and a Link Local Address of FE80::201:42FF:FE75:9C91.

PC Jarkom

Physical Config Desktop Programming Attributes

IP Configuration

☐ DHCP ☒ Static

IP Address: 172.16.0.2

Subnet Mask: 255.255.255.0

Default Gateway: 172.16.0.1

DNS Server: 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

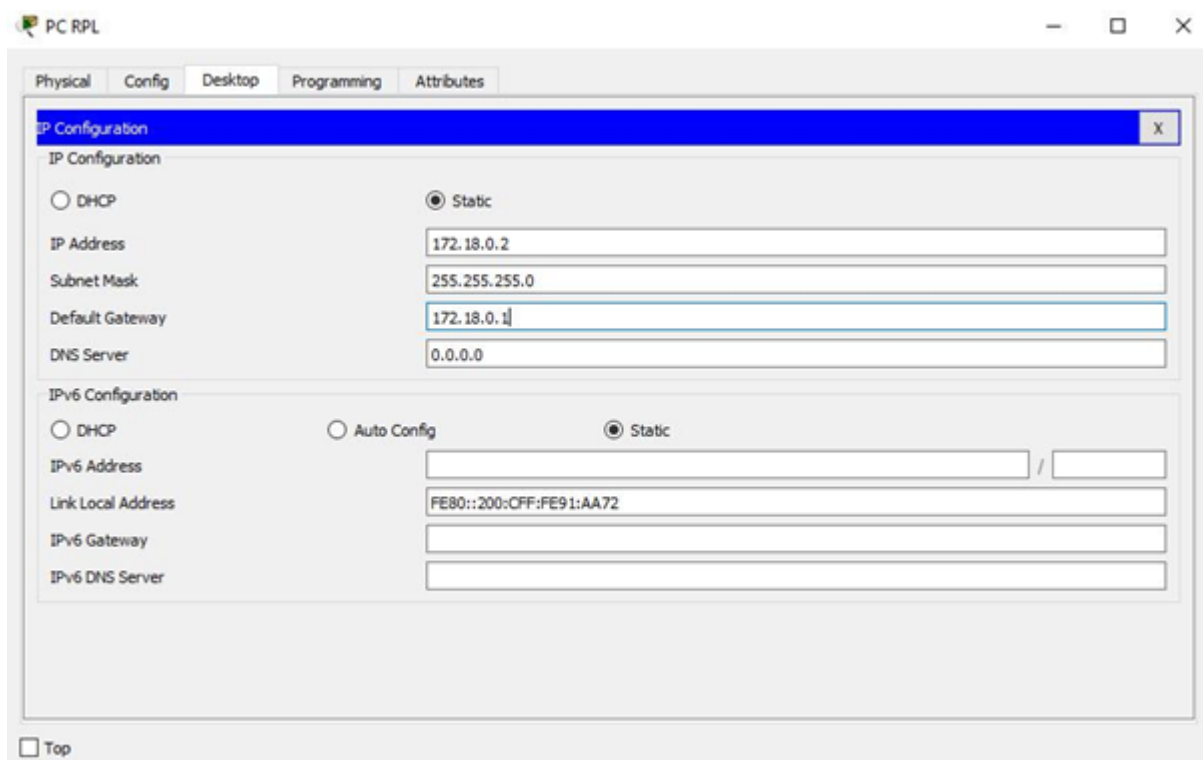
Link Local Address: FE80::201:42FF:FE75:9C91

IPv6 Gateway:

IPv6 DNS Server:

☐ Top

Konfigurasi PC RPL



The screenshot shows the 'PC RPL' configuration window with the 'Config' tab selected. The 'IP Configuration' section is active, showing 'Static' as the selected option. The IP Address is 172.18.0.2, Subnet Mask is 255.255.255.0, Default Gateway is 172.18.0.1, and DNS Server is 0.0.0.0. The 'IPv6 Configuration' section is also visible, with 'Static' selected and a Link Local Address of FE80::200:0FF:FE91:AA72.

PC RPL

Physical Config Desktop Programming Attributes

IP Configuration

☐ DHCP ☒ Static

IP Address: 172.18.0.2

Subnet Mask: 255.255.255.0

Default Gateway: 172.18.0.1

DNS Server: 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

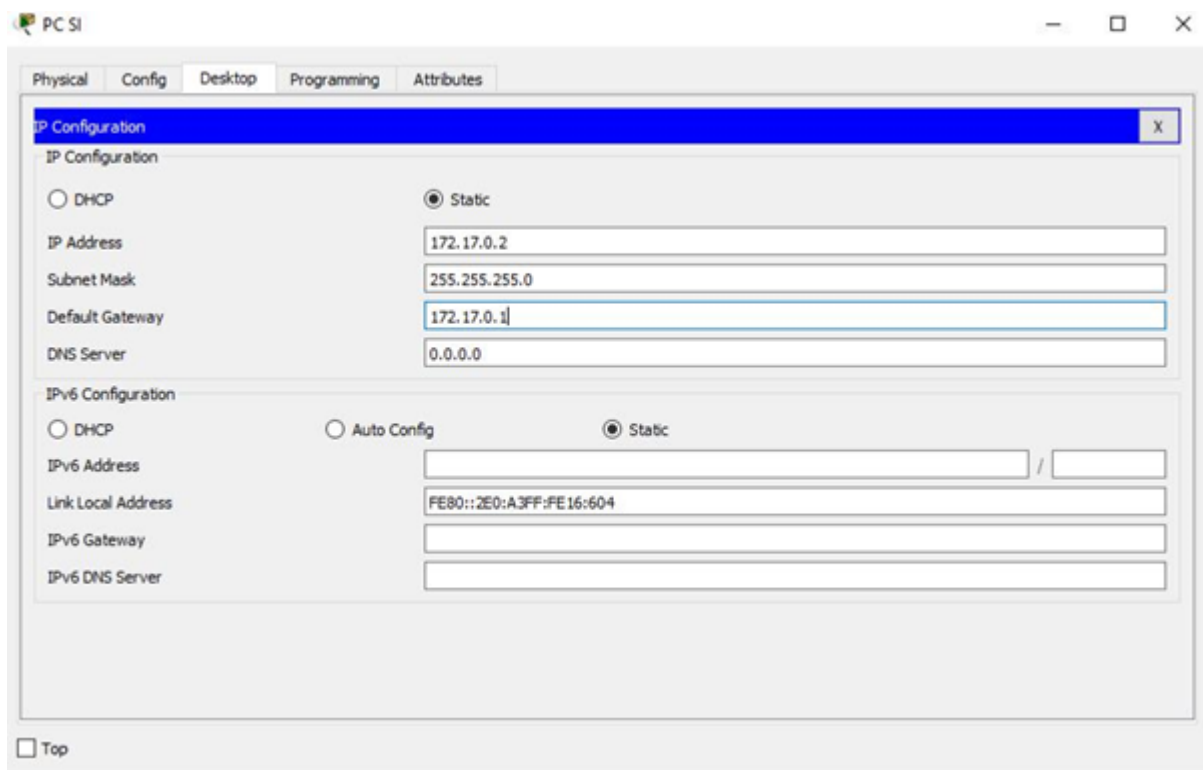
Link Local Address: FE80::200:0FF:FE91:AA72

IPv6 Gateway:

IPv6 DNS Server:

☐ Top

Konfigurasi PC SI



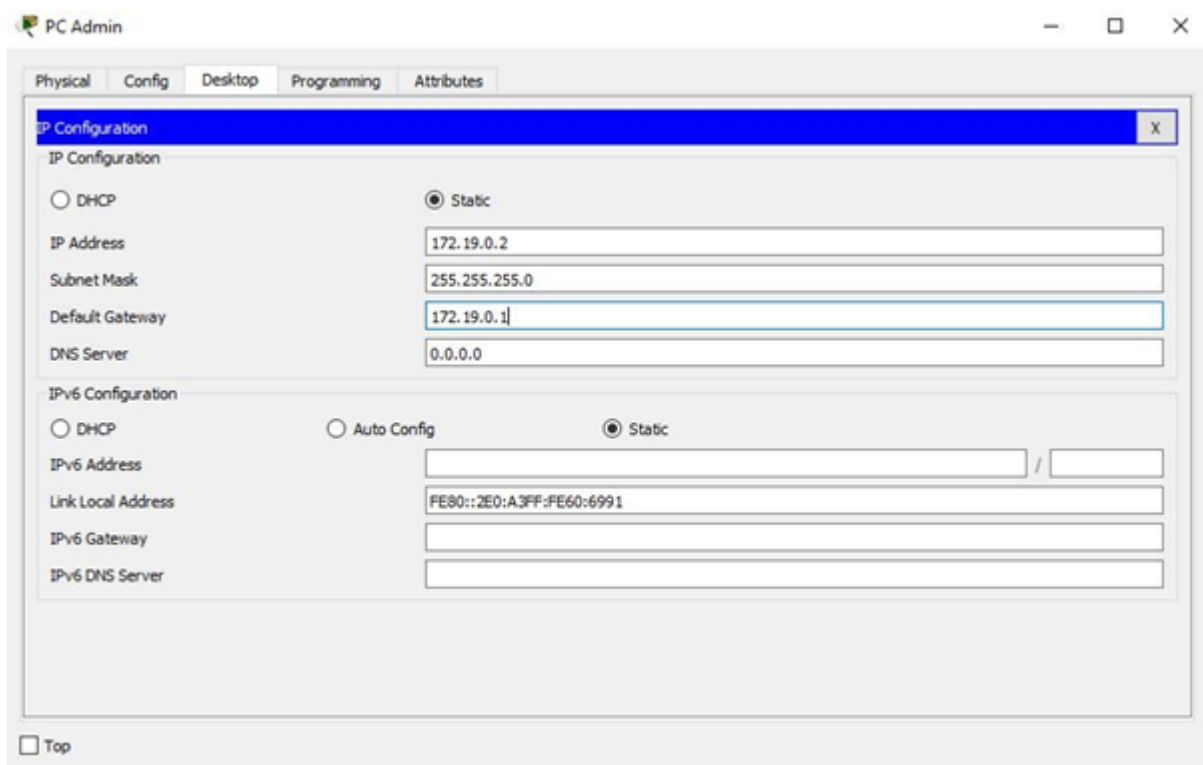
The screenshot shows the 'PC SI' configuration window with the 'Config' tab selected. The 'IP Configuration' section is active, showing settings for both IPv4 and IPv6. The IPv4 configuration is set to 'Static' with an IP address of 172.17.0.2, subnet mask of 255.255.255.0, and default gateway of 172.17.0.1. The IPv6 configuration is also set to 'Static' with a link local address of FE80::2E0:A3FF:FE16:604. The 'Top' button is visible at the bottom left.

IP Configuration	
<input type="radio"/> DHCP <input checked="" type="radio"/> Static	
IP Address	172.17.0.2
Subnet Mask	255.255.255.0
Default Gateway	172.17.0.1
DNS Server	0.0.0.0

IPv6 Configuration	
<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static	
IPv6 Address	/
Link Local Address	FE80::2E0:A3FF:FE16:604
IPv6 Gateway	
IPv6 DNS Server	

☐ Top

Konfigurasi PC Admin



The screenshot shows the 'PC Admin' configuration window with the 'Config' tab selected. The 'IP Configuration' section is active, showing settings for both IPv4 and IPv6. The IPv4 configuration is set to 'Static' with an IP address of 172.19.0.2, subnet mask of 255.255.255.0, and default gateway of 172.19.0.1. The IPv6 configuration is also set to 'Static' with a link local address of FE80::2E0:A3FF:FE60:6991. The 'Top' button is visible at the bottom left.

IP Configuration	
<input type="radio"/> DHCP <input checked="" type="radio"/> Static	
IP Address	172.19.0.2
Subnet Mask	255.255.255.0
Default Gateway	172.19.0.1
DNS Server	0.0.0.0

IPv6 Configuration	
<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static	
IPv6 Address	/
Link Local Address	FE80::2E0:A3FF:FE60:6991
IPv6 Gateway	
IPv6 DNS Server	

☐ Top

Routing Router Jarkom

```
jarkom>en
jarkom#conf term
Enter configuration commands, one per line. End with CNTL/Z.
jarkom(config)#ip route 172.18.0.0 255.255.255.0 172.15.0.3
jarkom(config)#ip route 172.17.0.0 255.255.255.0 172.15.0.2
jarkom(config)#ip route 172.19.0.0 255.255.255.0 172.15.0.4
jarkom(config)#
```

Routing Router RPL

```
RPL(config)#ip route 172.16.0.0 255.255.255.0 172.15.0.1
RPL(config)#ip route 172.17.0.0 255.255.255.0 172.15.0.2
RPL(config)#ip route 172.19.0.0 255.255.255.0 172.15.0.4
RPL(config)#
```

Routing Router SI

```
SI>en
SI#conf term
Enter configuration commands, one per line. End with CNTL/Z.
SI(config)#ip route 172.16.0.0 255.255.255.0 172.15.0.1
SI(config)#ip route 172.18.0.0 255.255.255.0 172.15.0.3
SI(config)#ip route 172.19.0.0 255.255.255.0 172.15.0.4
SI(config)#
```

Routing Router Gateway

```
UMS(config)#ip route 172.16.0.0 255.255.255.0 172.15.0.1
UMS(config)#ip route 172.18.0.0 255.255.255.0 172.15.0.3
UMS(config)#ip route 172.17.0.0 255.255.255.0 172.15.0.2
UMS(config)#
```

Tes koneksi

```
Pinging 172.16.0.2 with 32 bytes of data:
Reply from 172.16.0.2: bytes=32 time<1ms TTL=126
Reply from 172.16.0.2: bytes=32 time=10ms TTL=126
Reply from 172.16.0.2: bytes=32 time=16ms TTL=126
Reply from 172.16.0.2: bytes=32 time=11ms TTL=126

Ping statistics for 172.16.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 16ms, Average = 9ms

C:\>ping 172.17.0.2

Pinging 172.17.0.2 with 32 bytes of data:
Reply from 172.17.0.2: bytes=32 time<1ms TTL=126
Reply from 172.17.0.2: bytes=32 time<1ms TTL=126
Reply from 172.17.0.2: bytes=32 time=6ms TTL=126
Reply from 172.17.0.2: bytes=32 time=12ms TTL=126

Ping statistics for 172.17.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 12ms, Average = 4ms

C:\>ping 172.18.0.2

Pinging 172.18.0.2 with 32 bytes of data:
Reply from 172.18.0.2: bytes=32 time<1ms TTL=126
Reply from 172.18.0.2: bytes=32 time=12ms TTL=126
Reply from 172.18.0.2: bytes=32 time=12ms TTL=126
Reply from 172.18.0.2: bytes=32 time=11ms TTL=126

Ping statistics for 172.18.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 12ms, Average = 8ms
```