

L200160067

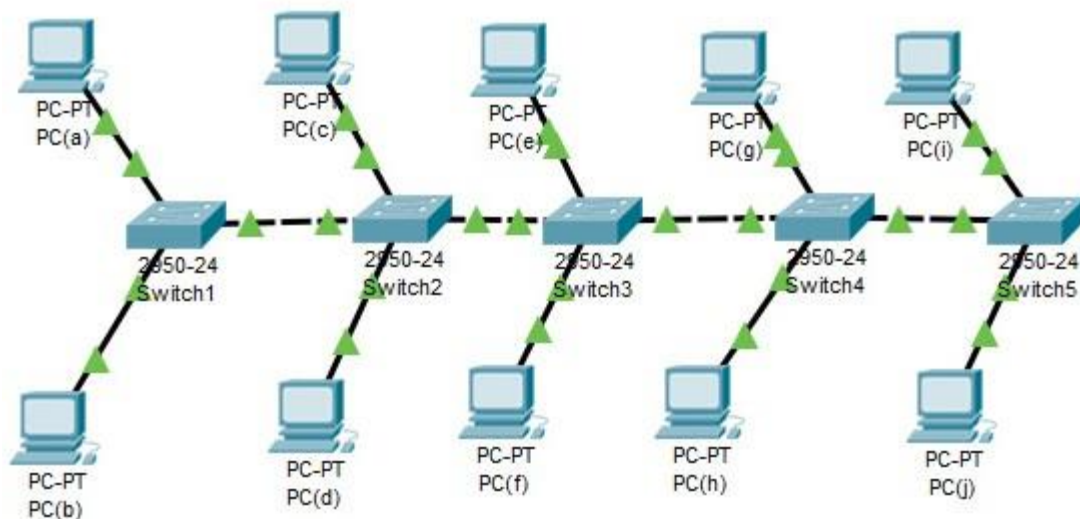
Alfarez Syahputra Kuri

A

Modul 3

Tugas

Konfigurasi Untuk pemasangan PC



PC baris atas merupakan Host Min Dan PC Baris Bawah merupakan Host Max

Menentukan Subnet Mask dan Subnet Address

IP Address : 202.155.19.0/27

11111111 11111111 11111111 11100000

Subnet Mask : 255.255.255.224

1. Jumlah Subnet : $2^x = 2^3 = 8$
2. Jumlah Host / Subnet : $2^y - 2 = 2^5 - 2 = 32 - 2 = 30$
3. Block Subnet : $256 - 224 = 32$

Tabel Subnet

Network	202.155.19.0	202.155.19.32	202.155.19.64	202.155.19.96	202.155.19.128	202.155.19.160	202.155.19.192	202.155.19.224
Host Min	202.155.19.1	202.155.19.33	202.155.19.65	202.155.19.97	202.155.19.129	202.155.19.161	202.155.19.193	202.155.19.225
Host Max	202.155.19.30	202.155.19.62	202.155.19.94	202.155.19.126	202.155.19.158	202.155.19.190	202.155.19.222	202.155.19.254
Broadcast	202.155.19.31	202.155.19.63	202.155.19.95	202.155.19.127	202.155.19.159	202.155.19.191	202.155.19.223	202.155.19.255

Jadi Untuk Konfigurasi IP nya

The screenshot shows the configuration window for PC(a) with the 'Desktop' tab selected. The 'Static' radio button is chosen for the IP configuration. The IP Address is set to 202.155.19.1, Subnet Mask to 255.255.255.224, Default Gateway to 0.0.0.0, and DNS Server to 0.0.0.0. The IPv6 Configuration section shows 'Static' selected, with IPv6 Address, Link Local Address (FE80::207:ECFF:FE11:CAC4), IPv6 Gateway, and IPv6 DNS Server fields. The 802.1X section has 'Use 802.1X Security' unchecked, Authentication set to MD5, and empty Username and Password fields. A 'Top' button is at the bottom left.

PC(a)

Physical Config **Desktop** Programming Attributes

☐ DHCP ☒ Static

IP Address: 202.155.19.1

Subnet Mask: 255.255.255.224

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

Link Local Address: FE80::207:ECFF:FE11:CAC4

IPv6 Gateway:

IPv6 DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username:

Password:

☐ Top

Untuk Host Min PC(a)

PC(b)

Physical Config **Desktop** Programming Attributes

☐ DHCP ☒ Static

IP Address 202.155.19.30

Subnet Mask 255.255.255.224

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::20C:85FF:FE8A:C470

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

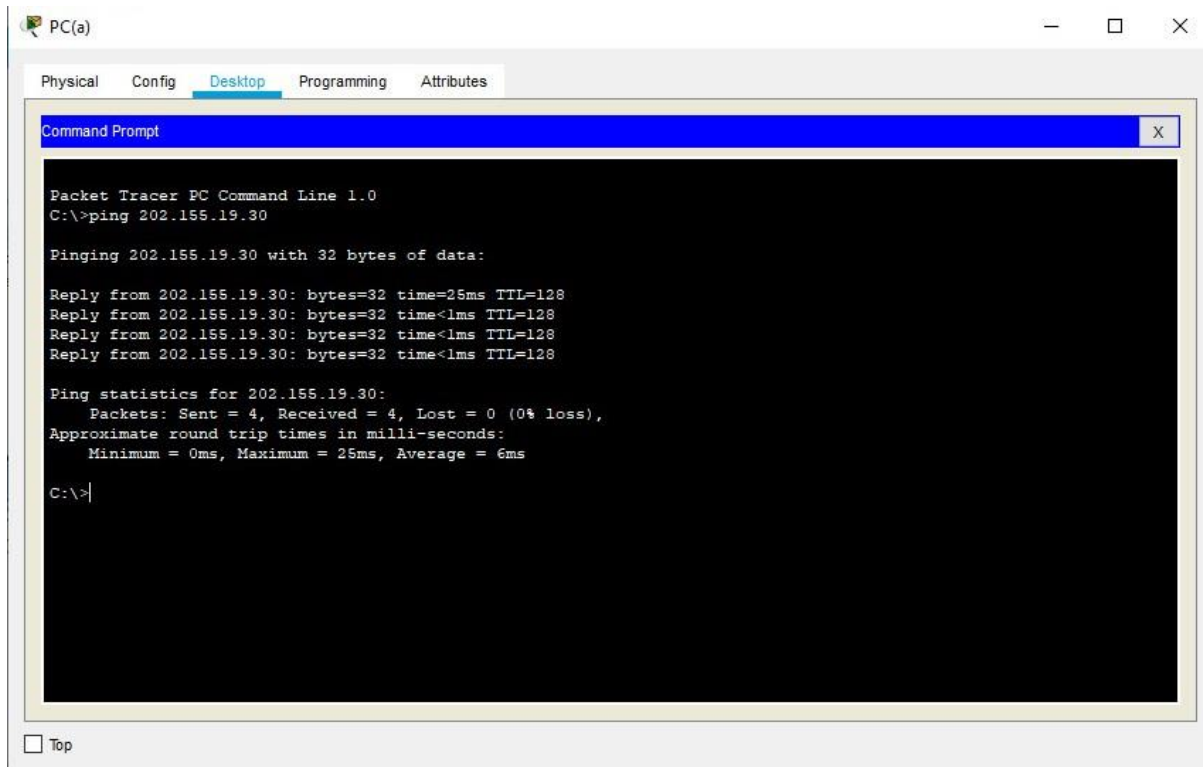
☐ Top

Untuk Host Max PC(b) dan selanjutnya mengikuti tabel yang ada diatas pengisian IP komputer sisanya

Melakukan tes antar komputer

1. Tes antar computer di dalam satu switch

Melakukan ping dari PC dengan IP Address 202.155.19.1 ke PC dengan IP Address 202.155.19.30 hasilnya berjalan dengan normal.



The screenshot shows a Packet Tracer PC Command Line window for a PC named PC(a). The window has tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, displaying a Command Prompt window. The Command Prompt shows the execution of a ping command from IP 202.155.19.1 to IP 202.155.19.30. The output indicates that the ping was successful, with 4 packets sent, 4 received, and 0% loss. The round trip times are also displayed.

```
Packet Tracer PC Command Line 1.0
C:\>ping 202.155.19.30

Pinging 202.155.19.30 with 32 bytes of data:

Reply from 202.155.19.30: bytes=32 time=25ms TTL=128
Reply from 202.155.19.30: bytes=32 time<1ms TTL=128
Reply from 202.155.19.30: bytes=32 time<1ms TTL=128
Reply from 202.155.19.30: bytes=32 time<1ms TTL=128

Ping statistics for 202.155.19.30:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 25ms, Average = 6ms

C:\>|
```

☐ Top

2. Tes antar computer yang ada di switch satu dengan computer yang ada di switch lain

Melakukan ping dari PC dengan IP Address 202.155.19.33 ke PC dengan IP Address 202.155.19.1 hasilnya timed out, karena beda subnettinya.

