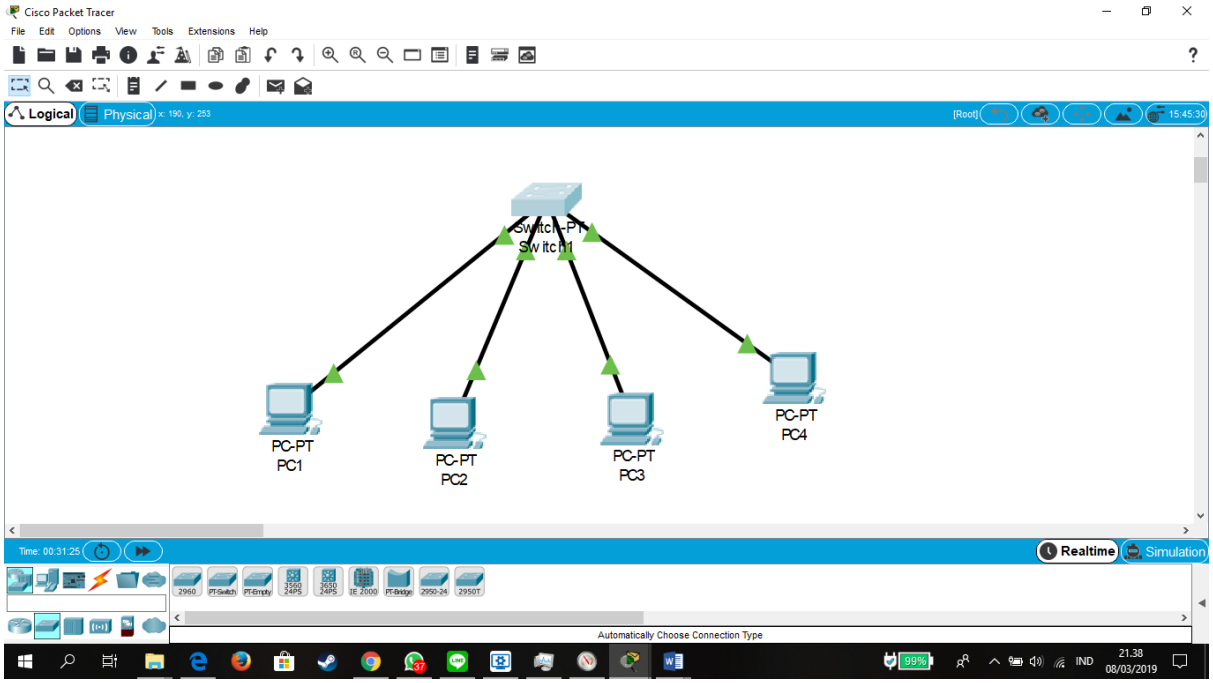
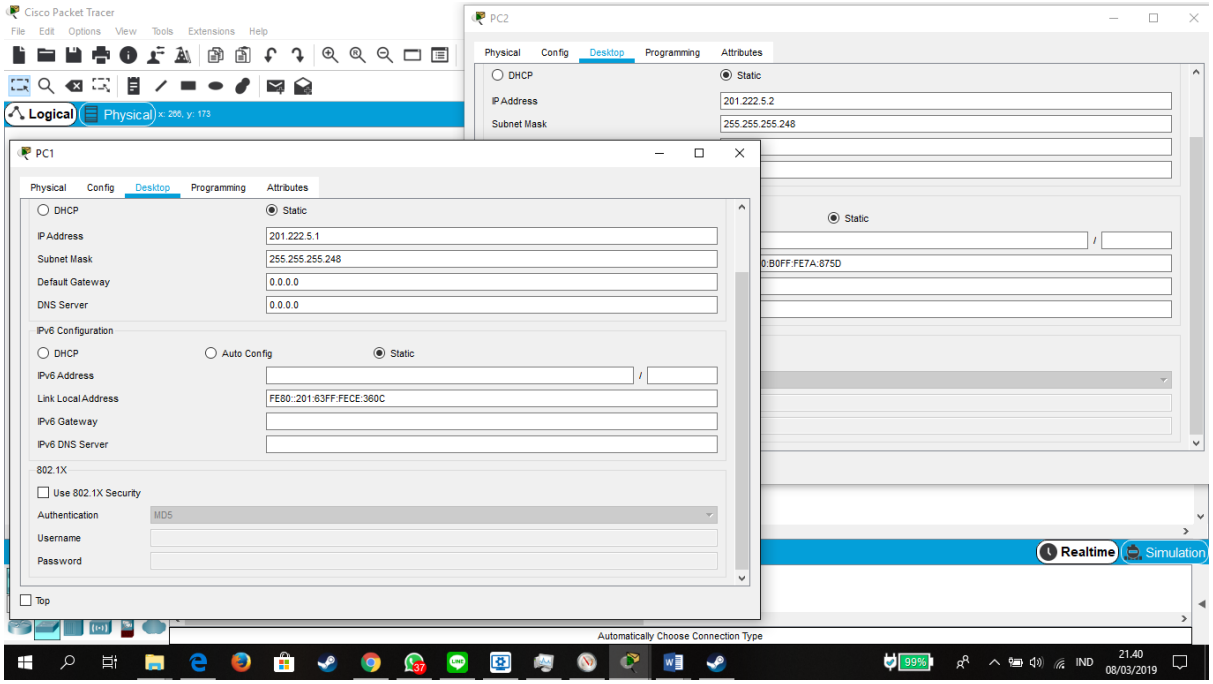
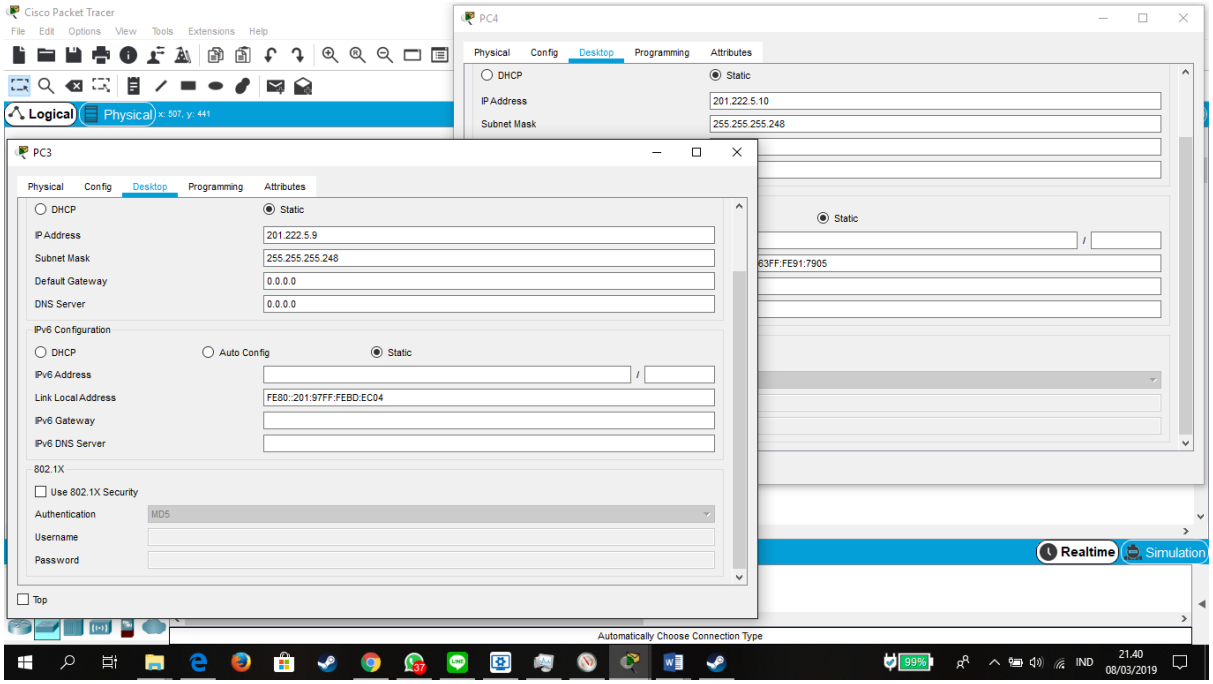
Zulfikar Bayu Budiman
L200170052
Kelas B
Modul 3

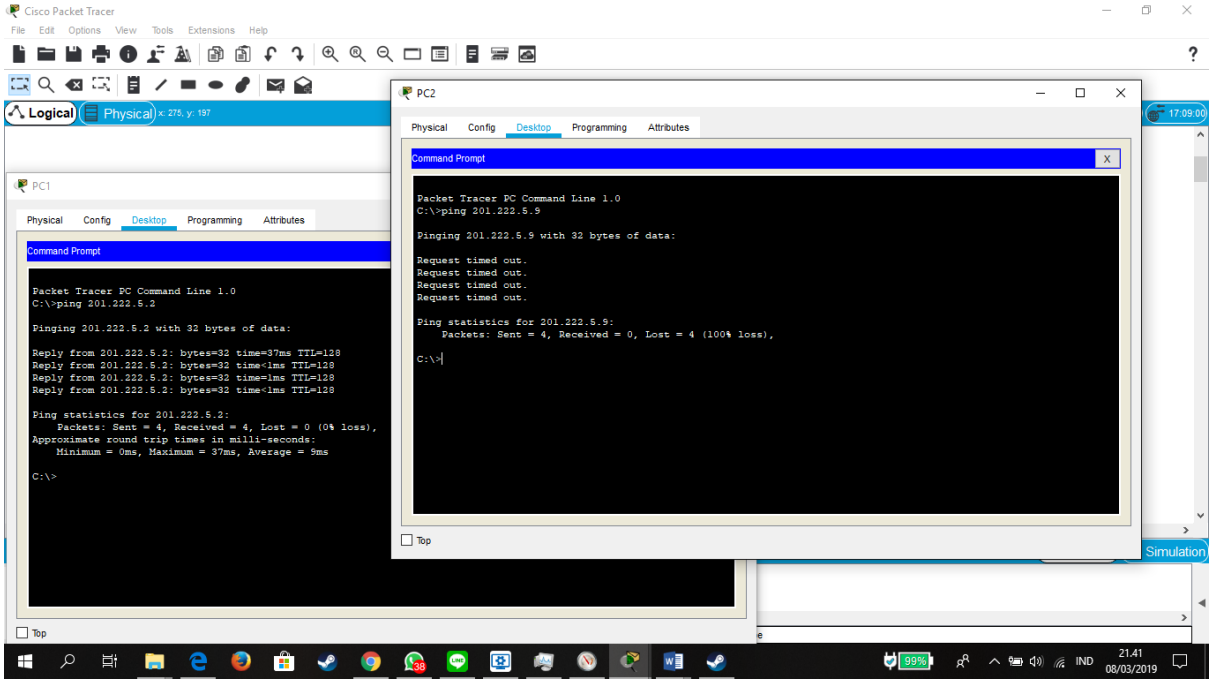
1. Kegiatan Praktikum

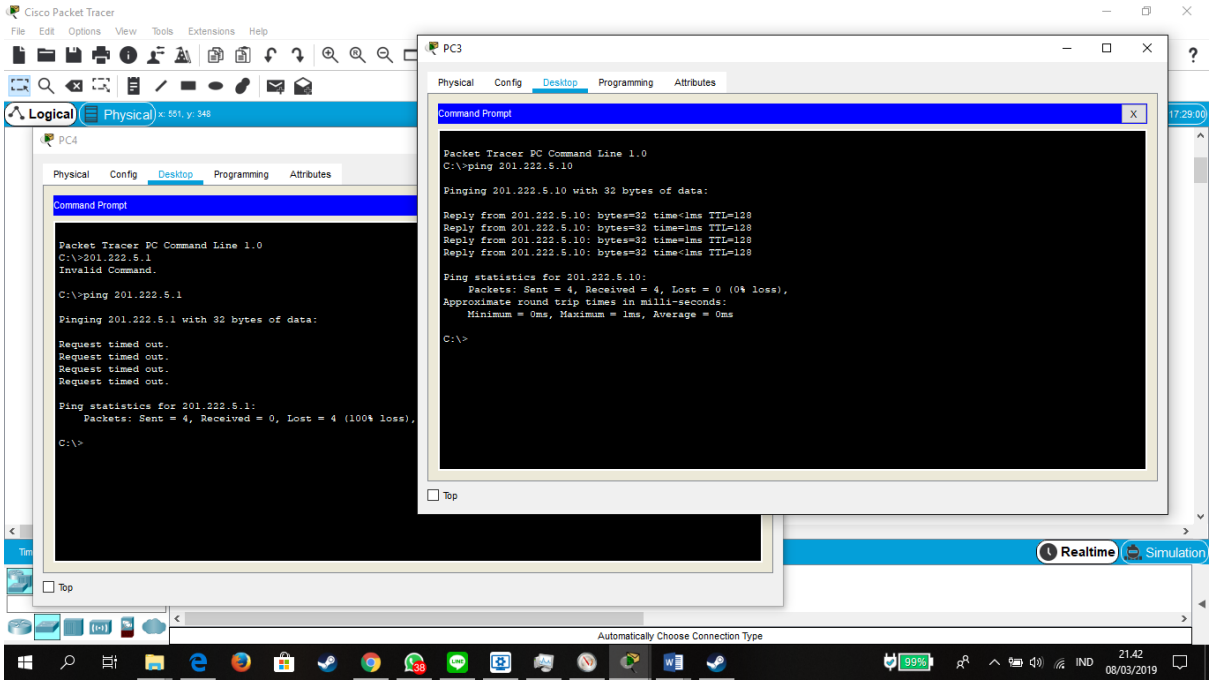


Pengaturan Alamat IP dan Test Koneksi Jaringan

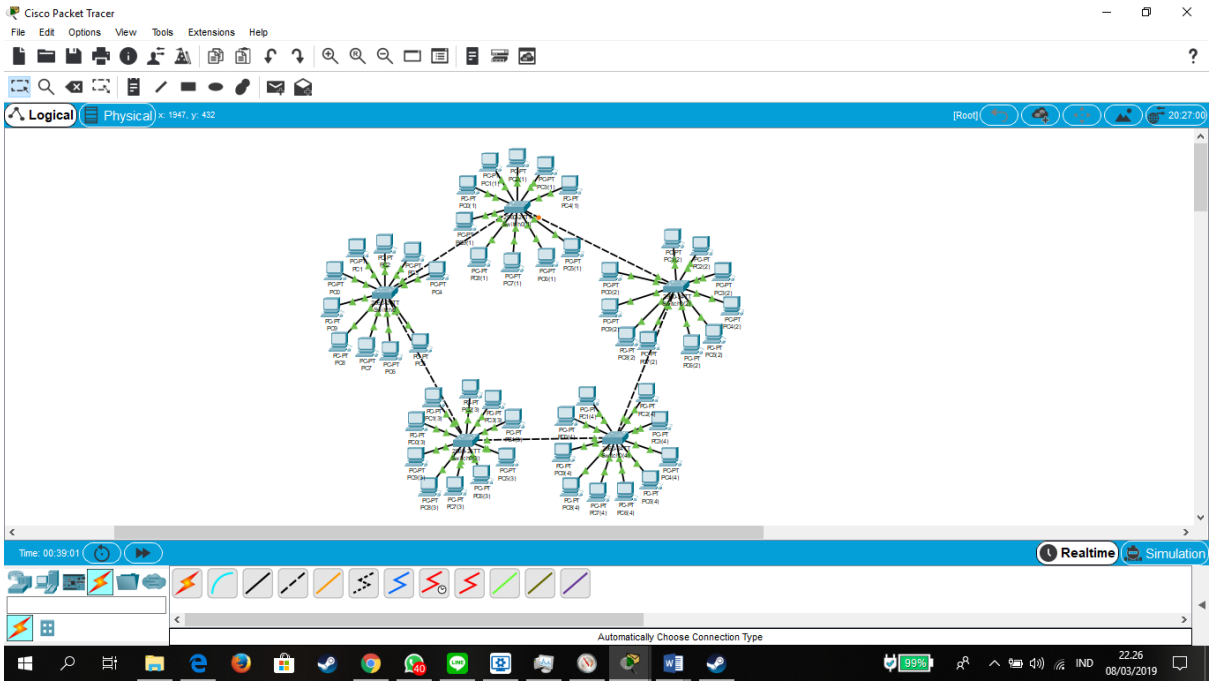



Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical Physical x: 507, y: 441
PC4
Physical Config Desktop Programming Attributes
DHCP
Static
IP Address
201.222.5.10
Subnet Mask
255.255.255.248
PC3
Physical Config Desktop Programming Attributes
DHCP
Static
IP Address
201.222.5.9
Subnet Mask
255.255.255.248
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::201:97FF:FEBD:EC04
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Username
Password
Top
Realtime
Simulation
Automatically Choose Connection Type
IND
21.40
08/03/2019

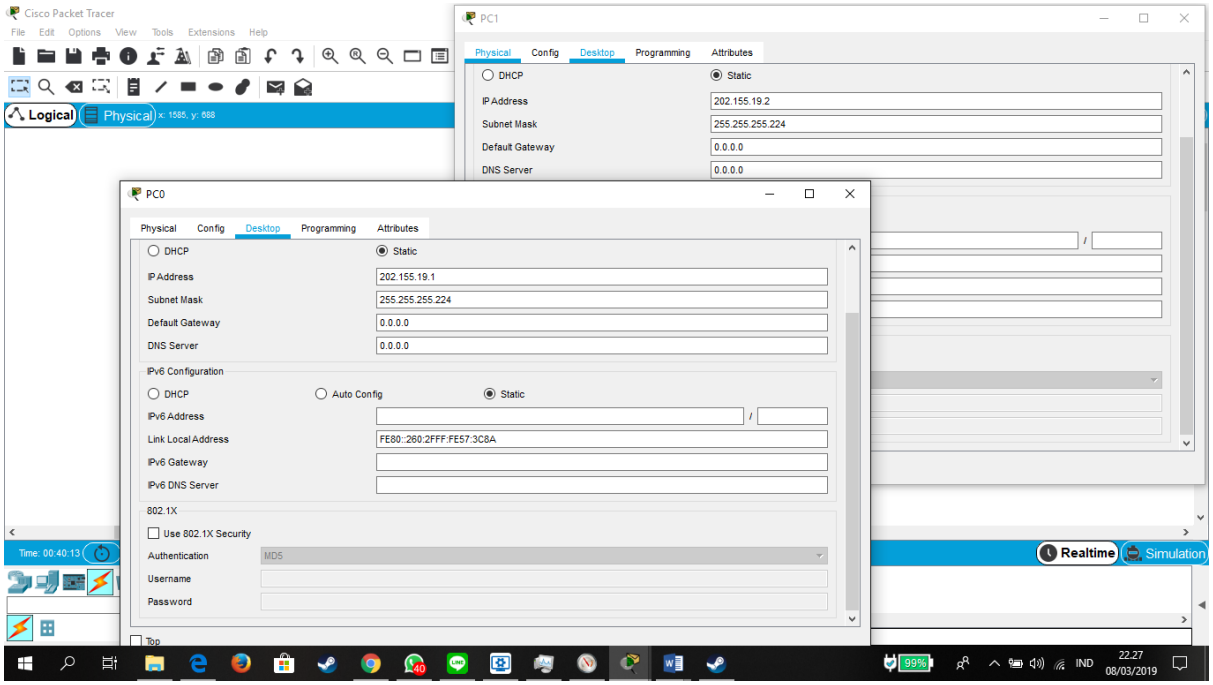

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical Physical x: 275, y: 197
PC2
Physical Config Desktop Programming Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ping 201.222.5.9
Pinging 201.222.5.9 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 201.222.5.9:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>
PC1
Physical Config Desktop Programming Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ping 201.222.5.2
Pinging 201.222.5.2 with 32 bytes of data:
Reply from 201.222.5.2: bytes=32 time=37ms TTL=128
Reply from 201.222.5.2: bytes=32 time<1ms TTL=128
Reply from 201.222.5.2: bytes=32 time=1ms TTL=128
Reply from 201.222.5.2: bytes=32 time<1ms TTL=128
Ping statistics for 201.222.5.2:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 37ms, Average = 9ms
C:\>
Top
Simulation
IND
21.41
08/03/2019

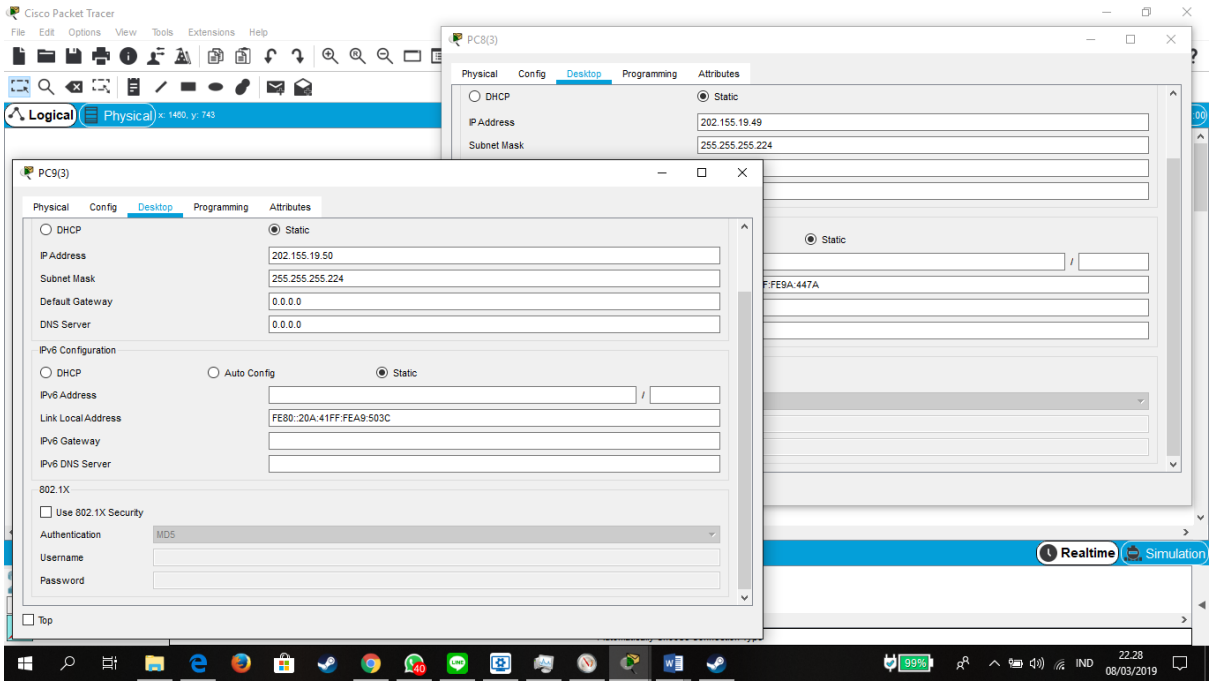

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical Physical
PC3
Physical Config Desktop Programming Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ping 201.222.5.10
Pinging 201.222.5.10 with 32 bytes of data:
Reply from 201.222.5.10: bytes=32 time<1ms TTL=128
Reply from 201.222.5.10: bytes=32 time=1ms TTL=128
Reply from 201.222.5.10: bytes=32 time=1ms TTL=128
Reply from 201.222.5.10: bytes=32 time<1ms TTL=128
Ping statistics for 201.222.5.10:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>
PC4
Physical Config Desktop Programming Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>201.222.5.1
Invalid Command.
C:\>ping 201.222.5.1
Pinging 201.222.5.1 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 201.222.5.1:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>
Top
Realtime Simulation
Automatically Choose Connection Type
IND 21.42 08/03/2019

Tugas Modul

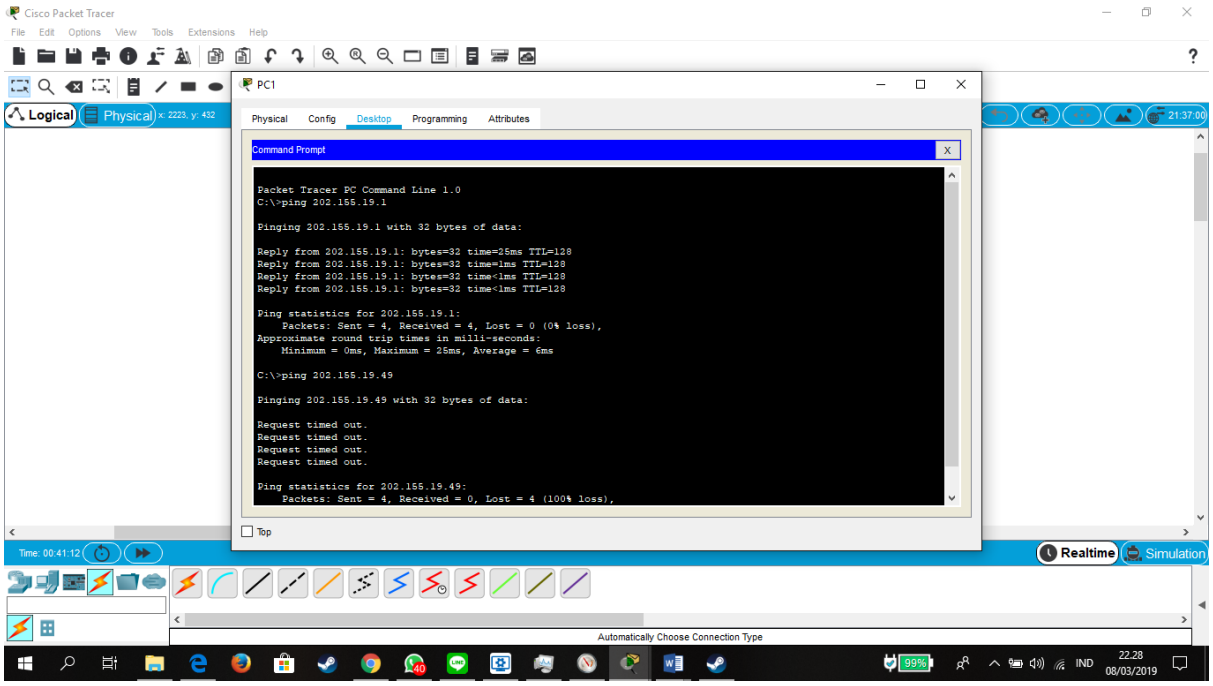

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical Physical
Time: 00:39:01
Realtime Simulation
Automatically Choose Connection Type
IND 22.26 08/03/2019

Test Pengujian Koneksi antara Komputer

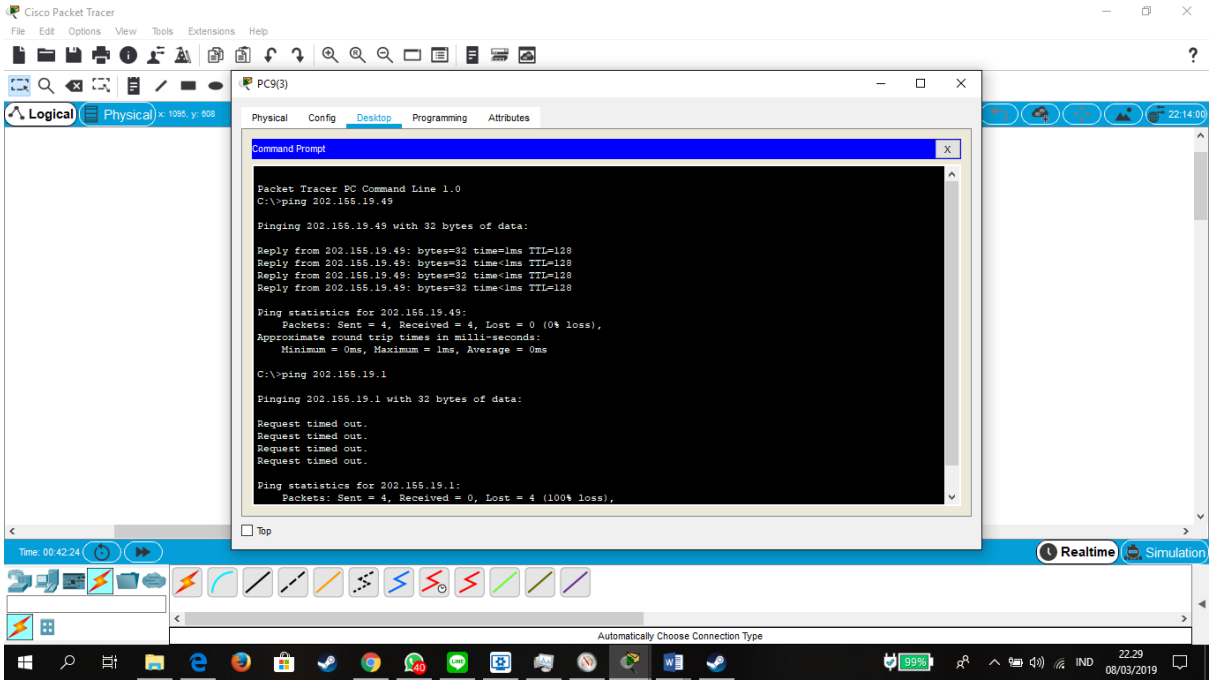




PC2 Ke PC1 dan PC2 ke PC49



PC50 ke PC 49 dan PC50 ke PC1



Subnet Mask : 255.255.255.224

Dikarena kan ada 5 Divisi/Subnet dari Bilangan Biner Subnet mask 11111111.11111111.11111111.11100000 . Lalu 3 digit biner 1 menjadikan nya (2^x) 2^3 = 8 Subnet. Sedangkan kalau 2^2 = 4 Subnet (kurang).

Jumlah Subnet : $2^3 = 8\, Subnet$
Host Subnet : $(2^y - 2)$ = $(2^5 - 2) = 30\, Host$
Block Subnet : $256 - 224 = 32\, IP$

Network	Host	Broadcast
202.155.19.0	202.155. 19.1 - 202.155. 19.30	202.155. 19.31
202.155.19.32	202.155. 19.33 - 202.155. 19.62	202.155. 19.63
202.155.19.64	202.155. 19.65 - 202.155. 19.94	202.155. 19.95
202.155.19.96	202.155. 19.97 - 202.155. 19.126	202.155. 19.127
202.155.19.128	202.155. 19.129 - 202.155. 19.158	202.155. 19.159
202.155.19.160	202.155. 19.161 - 202.155. 19.190	202.155. 19.191
202.155.19.192	202.155. 19.193 - 202.155. 19.222	202.155. 19.223
202.155.19.224	202.155. 19.225 - 202.155. 19.254	202.155. 19.255