

Internet dan Aplikasinya
TUG TUGAS 11 : Web Service



Oleh :

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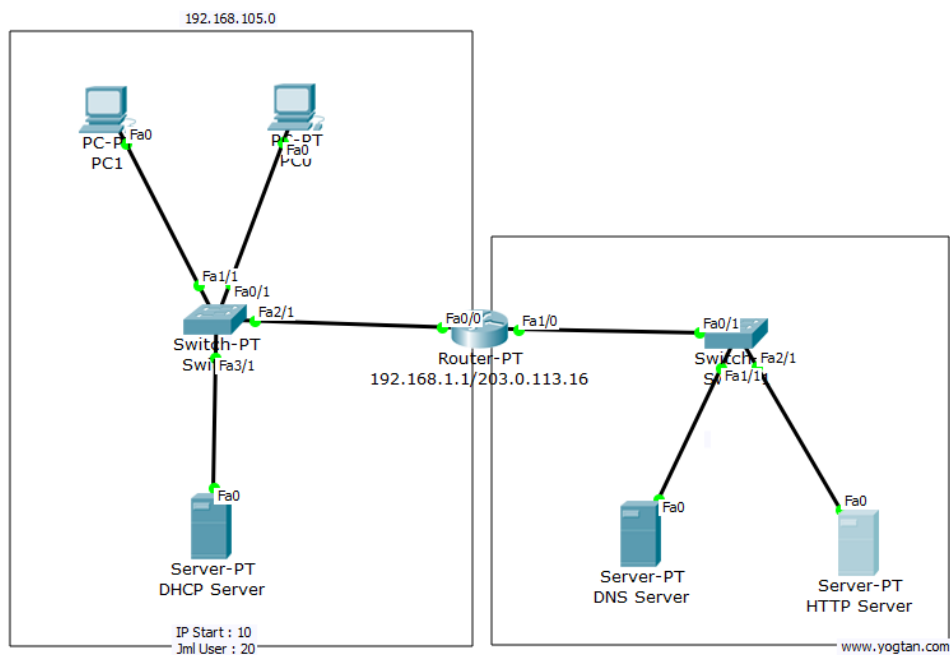
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PROGRAM STUDI INFORMATIKA
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YOGYAKARTA

2022

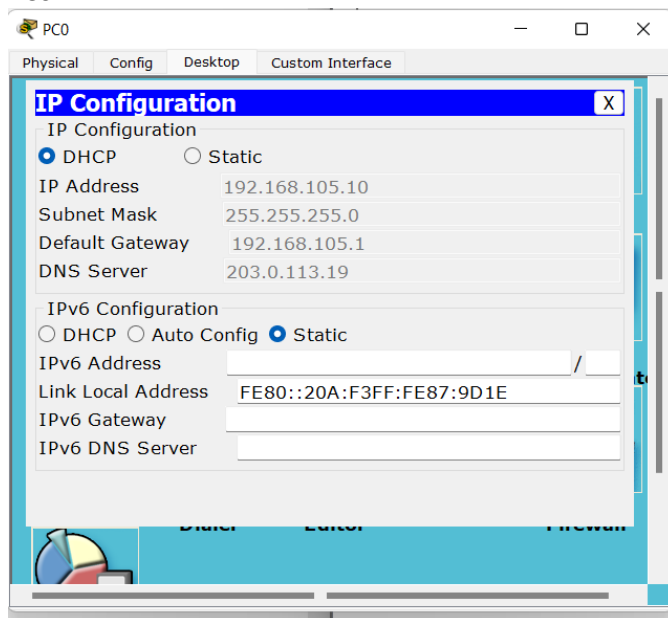
Tugas

1. Buat topologi seperti di atas beri IP address untuk router dan semua server. Pastikan dengan perintah ping semuanya telah terkoneksi

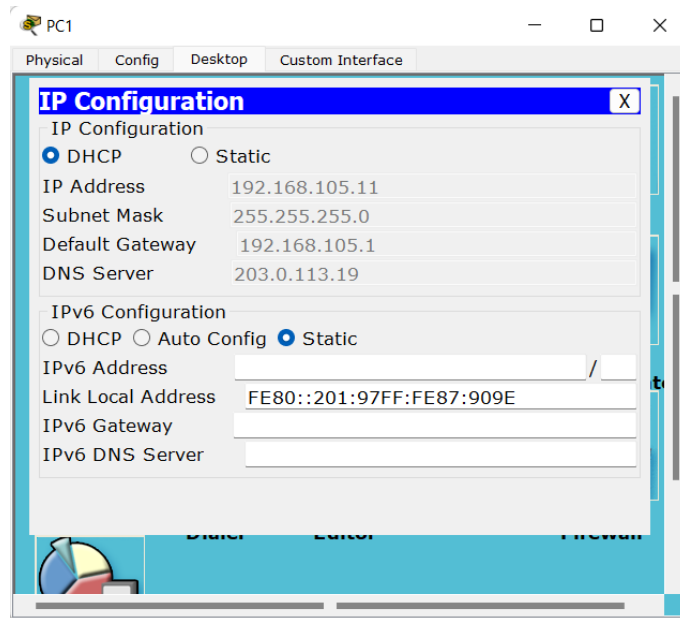


IP CONFIG

PC0



PC1



BUKTI PING

PC0 > PC1

```
PC>ping 192.168.105.11

Pinging 192.168.105.11 with 32 bytes of data:

Reply from 192.168.105.11: bytes=32 time=0ms TTL=128
Reply from 192.168.105.11: bytes=32 time=0ms TTL=128
Reply from 192.168.105.11: bytes=32 time=0ms TTL=128
Reply from 192.168.105.11: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.105.11:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

PC0 > DHCP

```
PC>ping 192.168.105.100

Pinging 192.168.105.100 with 32 bytes of data:

Reply from 192.168.105.100: bytes=32 time=0ms TTL=128
Reply from 192.168.105.100: bytes=32 time=1ms TTL=128
Reply from 192.168.105.100: bytes=32 time=1ms TTL=128
Reply from 192.168.105.100: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.105.100:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

PC0 > DNS

```
PC>ping 203.0.113.19

Pinging 203.0.113.19 with 32 bytes of data:

Reply from 203.0.113.19: bytes=32 time=0ms TTL=127
Reply from 203.0.113.19: bytes=32 time=0ms TTL=127
Reply from 203.0.113.19: bytes=32 time=0ms TTL=127
Reply from 203.0.113.19: bytes=32 time=0ms TTL=127

Ping statistics for 203.0.113.19:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

PC0 > HTTP

```
PC>ping 203.0.113.18

Pinging 203.0.113.18 with 32 bytes of data:

Reply from 203.0.113.18: bytes=32 time=0ms TTL=127
Reply from 203.0.113.18: bytes=32 time=1ms TTL=127
Reply from 203.0.113.18: bytes=32 time=2ms TTL=127
Reply from 203.0.113.18: bytes=32 time=1ms TTL=127

Ping statistics for 203.0.113.18:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 1ms
```

2. Setting DHCP Server :

The top screenshot shows the 'IP Configuration' dialog for the 'FastEthernet0' interface. The 'Static' option is selected under 'IP Configuration'. The 'IPv6 Configuration' section also has 'Static' selected.

The bottom screenshot shows the 'DHCP' configuration page. The 'Service' is set to 'On'. The 'Pool Name' is 'serverPool'. The 'Default Gateway' is '192.168.105.1'. The 'DNS Server' is '203.0.113.19'. The 'Start IP Address' is '192.168.105.10' and the 'Subnet Mask' is '255.255.255.0'. The 'Maximum number of Users' is '20'. The 'TFTP Server' is '0.0.0.0'.

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server
serverPool	192.168.105.1	203.0.113.19	192.168.105.10	255.255.255.0	20	0.0.0.0

3. Setting DNS Server :

DNS Server

Physical Config Services Desktop Custom Interface

IP Configuration X

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IP Address: 203.0.113.19

Subnet Mask: 255.255.255.240

Default Gateway: 203.0.113.17

DNS Server:

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

Link Local Address: FE80::2D0:FFFF:FE8A:22E9

IPv6 Gateway:

IPv6 DNS Server:

DNS Server

Physical Config Services Desktop Custom Interface

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP

DNS

DNS Service ☒ On ☐ Off

Resource Records

Name: Type: A Record

Address:

Add Save Remove

No.	Name	Type	Detail
0	www.yogtan.com	A Record	203.0.113.18

DNS Cache

4. Setting HTTP Server

