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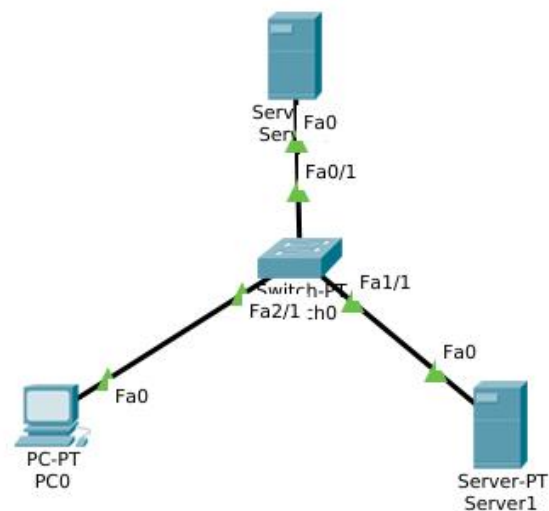
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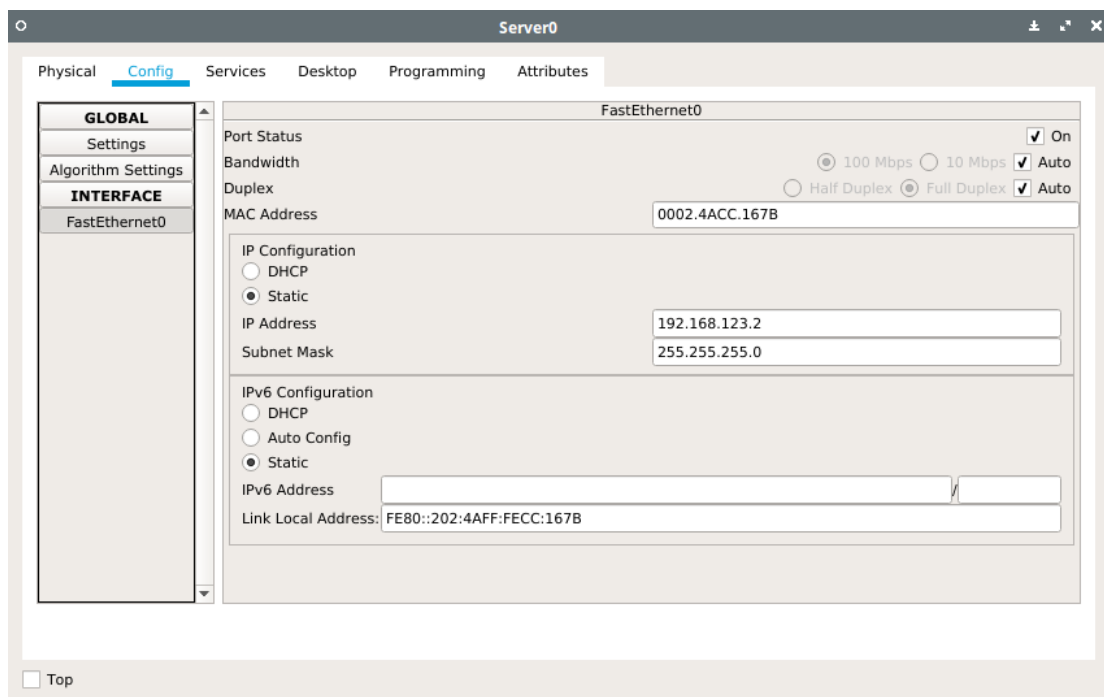
LAPORAN PRAKTIKUM JARINGAN KOMPUTER

MODUL 10

1. Buat topologi jaringan pada packet tracer



2. Setting IP pada server



3. Konfigurasi DNS server

The screenshot shows the 'Server0' configuration window with the 'Services' tab selected. On the left, a 'SERVICES' list includes HTTP, DHCP, DHCPv6, TFTP, DNS (highlighted), SYSLOG, AAA, NTP, EMAIL, FTP, IoT, VM Management, and Radius EAP. The main area is titled 'DNS' and contains the following settings:

- DNS Service:** ☒ On ☐ Off
- Resource Records:**
 - Name:**
 - Type:** A Record (dropdown)
 - Address:**
 - Buttons:** Add, Save, Remove
- Table:**

No.	Name	Type	Detail
0	informatikaums.com	A Record	192.168.123.1
- DNS Cache:**

At the bottom left, there is a 'Top' button.

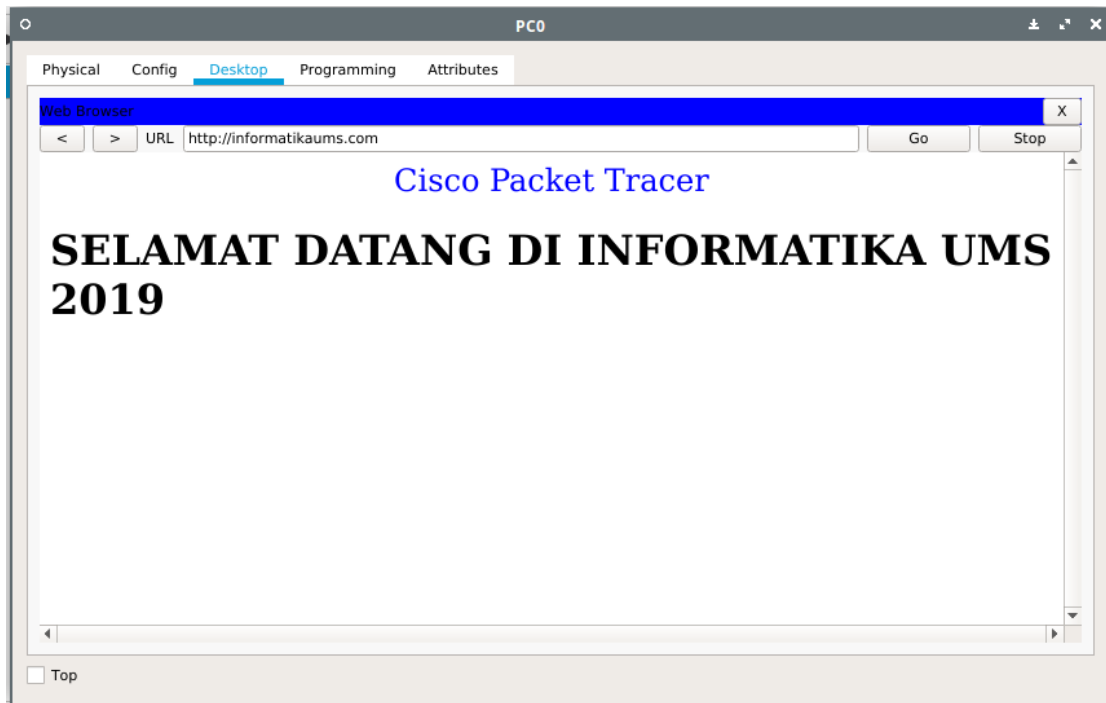
4. Setting ip address pada pc client

The screenshot shows the 'PC0' configuration window with the 'Desktop' tab selected. The configuration is divided into three sections:

- IP Configuration:**
 - Mode:** ☐ DHCP ☒ Static
 - IP Address:** 192.168.123.3
 - Subnet Mask:** 255.255.255.0
 - Default Gateway:** 0.0.0.0
 - DNS Server:** 192.168.123.2
- IPv6 Configuration:**
 - Mode:** ☐ DHCP ☐ Auto Config ☒ Static
 - IPv6 Address:** /
 - Link Local Address:** FE80::20C:85FF:FE1D:B884
 - IPv6 Gateway:**
 - IPv6 DNS Server:**
- 802.1X:**
 - Use 802.1X Security:** ☐
 - Authentication:** MD5 (dropdown)
 - Username:**

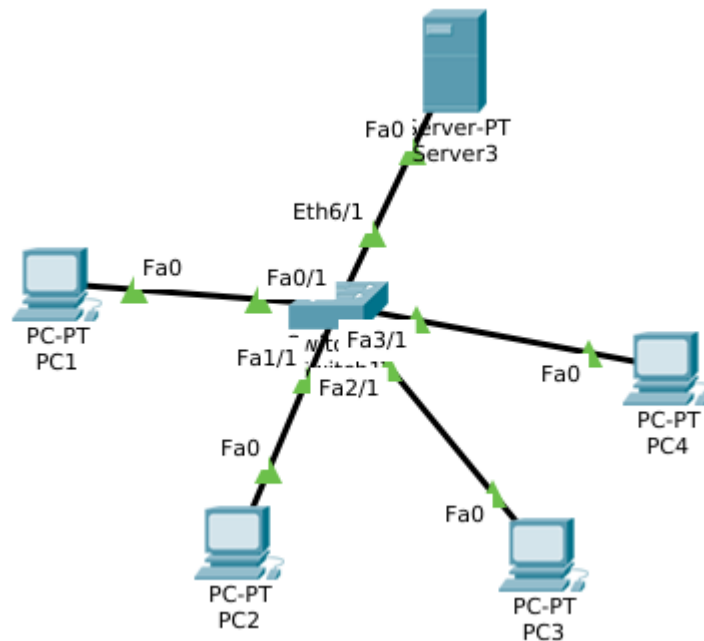
At the bottom left, there is a 'Top' button.

5. Lakukan Testing terhadap DNS server kita dengan cara mengetikkan domain yang telah kita set tadi di web browser pc client

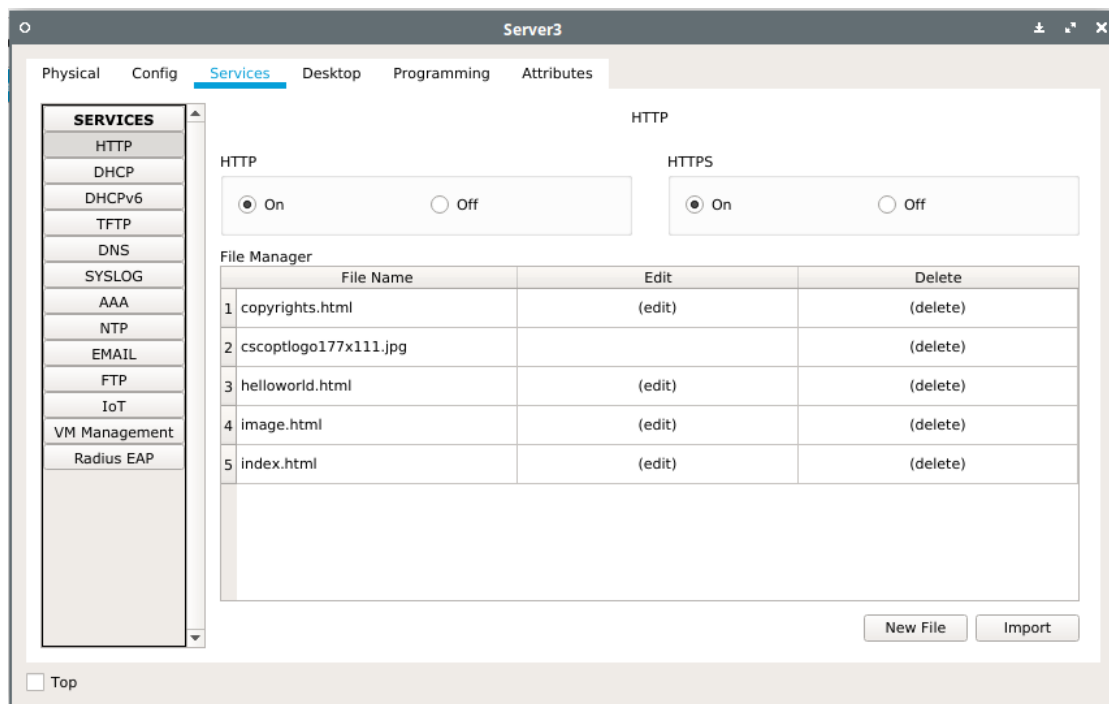


Tugas

1. Buat lah topologi jaringan di packet tracer



2. Setting HTTP server nya



3. Setting DNS servernya

The screenshot shows the 'Services' tab in the Server3 configuration window. The 'DNS' service is selected in the left sidebar. The main panel displays the 'DNS' configuration. The 'DNS Service' is set to 'On'. Under 'Resource Records', there is a table with one record:

No.	Name	Type	Detail
0	jarkom	A Record	192.168.123.1

Buttons for 'Add', 'Save', and 'Remove' are visible above the table. A 'DNS Cache' button is at the bottom. A 'Top' link is in the bottom left corner.

4. Setting DHCP servernya

The screenshot shows the 'Services' tab in the Server3 configuration window. The 'DHCP' service is selected in the left sidebar. The main panel displays the 'DHCP' configuration. The 'Interface' is set to 'FastEthernet0' and the 'Service' is set to 'On'. The 'Pool Name' is 'serverPool'. The 'Default Gateway' is '0.0.0.0'. The 'DNS Server' is '192.168.123.1'. The 'Start IP Address' is '192.168.123.0' and the 'Subnet Mask' is '255.255.255.0'. The 'Maximum Number of Users' is '255'. The 'TFTP Server' is '0.0.0.0' and the 'WLC Address' is '0.0.0.0'. Below the configuration fields, there is a table with one record:

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	0.0.0.0	192.168.12...	192.168.12...	255.255.25...	255	0.0.0.0	0.0.0.0

Buttons for 'Add', 'Save', and 'Remove' are visible above the table. A 'Top' link is in the bottom left corner.

5. Setting ip client

The screenshot shows the 'PC1' configuration window with the 'Desktop' tab selected. Under the 'Config' section, the 'DHCP' radio button is selected. The IP Address is set to 192.168.123.4, Subnet Mask to 255.255.255.0, Default Gateway to 0.0.0.0, and DNS Server to 192.168.123.1. The 'IPv6 Configuration' section has the 'Static' radio button selected, with an IPv6 Address field containing a slash and a Link Local Address of FE80::209:7CFF:FE2B:5723. The '802.1X' section has 'Use 802.1X Security' unchecked, 'Authentication' set to MD5, and a blank 'Username' field. A 'Top' button is at the bottom left.

Ket : Ip address akan secara otomatis di berikan oleh DHCP server

6. Tes koneksi

The screenshot shows the 'PC1' configuration window with the 'Desktop' tab selected. A 'Command Prompt' window is open, displaying the output of a ping command. The text in the Command Prompt is as follows:

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.123.5

Pinging 192.168.123.5 with 32 bytes of data:
Reply from 192.168.123.5: bytes=32 time=27ms TTL=128
Reply from 192.168.123.5: bytes=32 time=6ms TTL=128
Reply from 192.168.123.5: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.123.5:
    Packets: Sent = 3, Received = 3, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 27ms, Average = 11ms

Control-C
^C
C:\>
```

The 'PC1' configuration window is visible in the background, showing the same settings as in the previous screenshot. A 'Top' button is at the bottom left.