

Nama : Zulfa Fajrul Falah

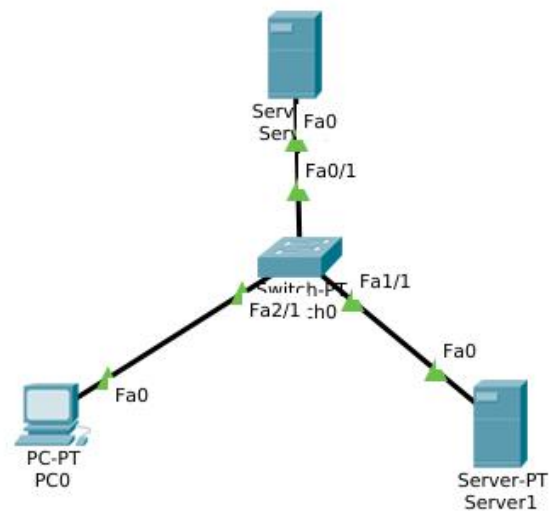
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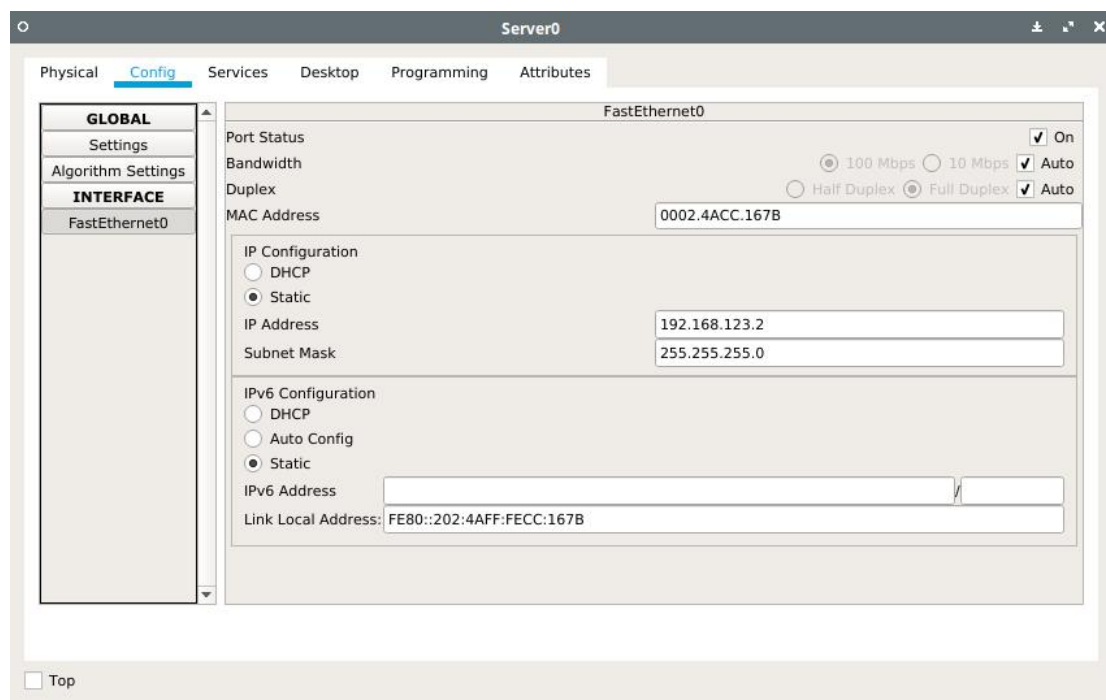
LAPORAN PRAKTIKUM JARINGAN KOMPUTER

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, 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.

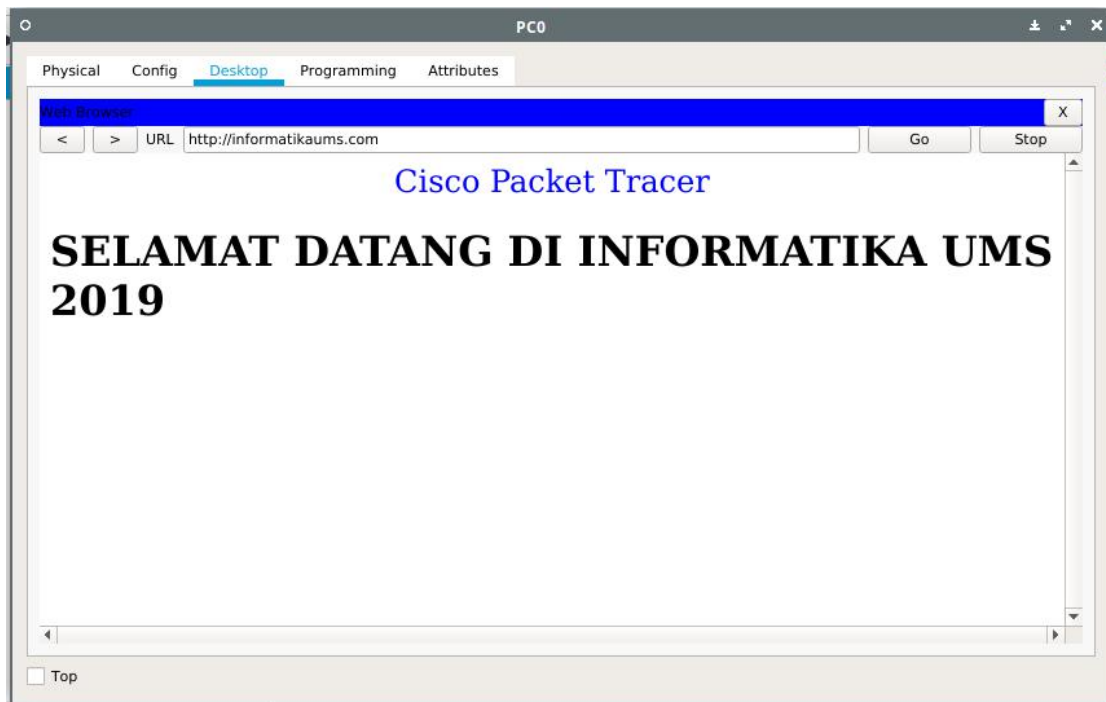
4. Setting ip address pada pc client

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

- IP Configuration:**
 - 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:**
 - 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:**

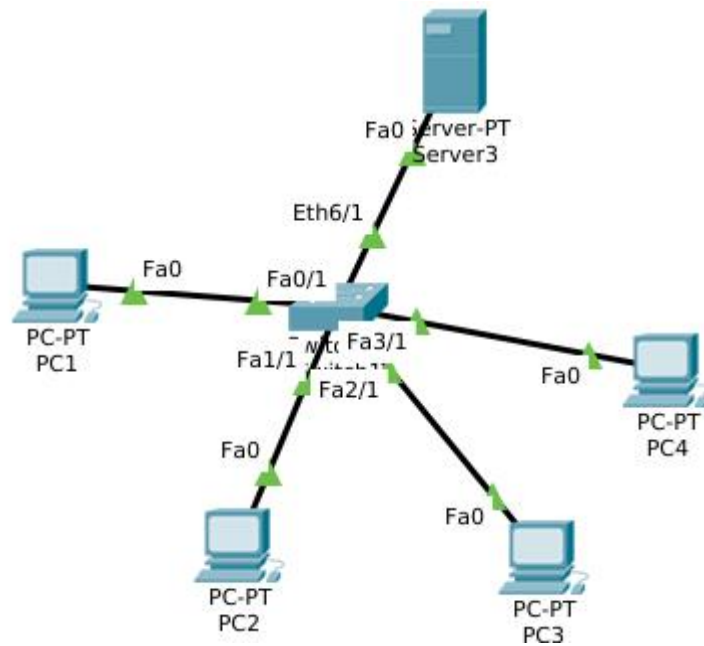
At the bottom left, there is a 'Top' button.

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

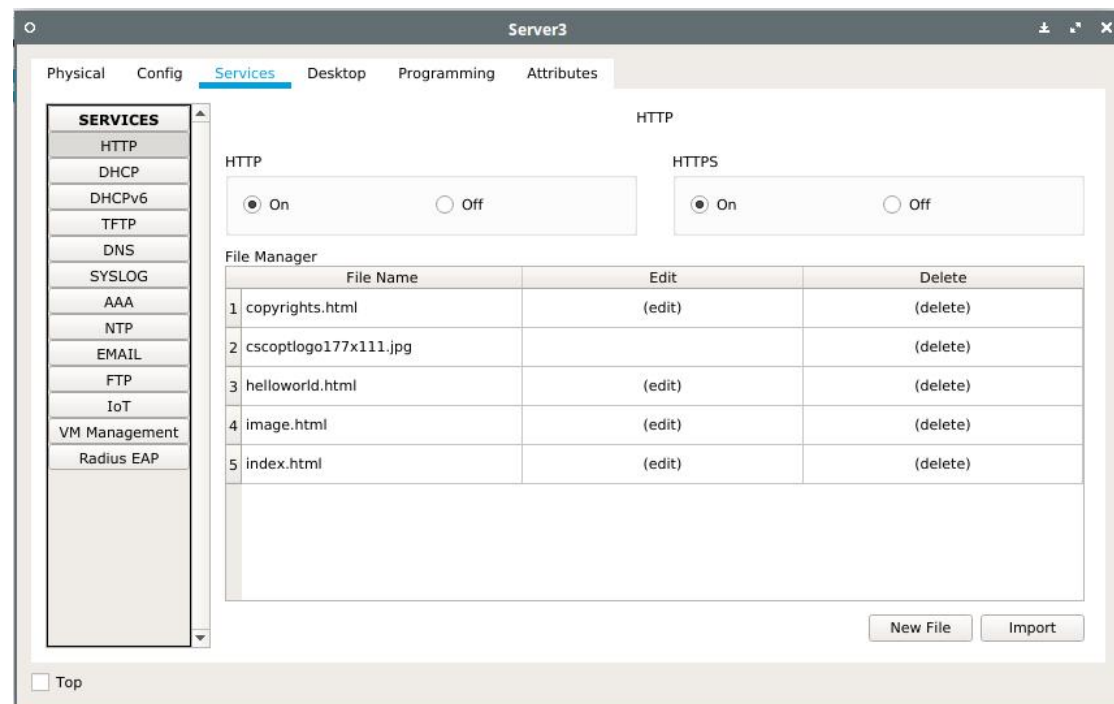


Tugas

1. Buat lah topologi jaringan di packet tracer



2. Setting HTTP server nya



3. Setting DNS servernya

The screenshot shows the 'Server3' configuration window with the 'Services' tab selected. On the left, a 'SERVICES' list has 'DNS' highlighted. The main area is titled 'DNS' and contains the following fields and controls:

- DNS Service:** A radio button set with 'On' selected and 'Off' unselected.
- Resource Records:** A section with a 'Name' input field, a 'Type' dropdown menu set to 'A Record', and an 'Address' input field.
- Buttons:** 'Add', 'Save', and 'Remove' buttons are located below the resource record fields.
- Table:** A table with 4 columns: 'No.', 'Name', 'Type', and 'Detail'. It contains one entry:

No.	Name	Type	Detail
0	palah.com	A Record	192.168.123.1
- DNS Cache:** A button located at the bottom left of the main area.

A 'Top' link is visible at the bottom left of the window.

4. Setting DHCP servernya

The screenshot shows the 'Server3' configuration window with the 'Services' tab selected. On the left, a 'SERVICES' list has 'DHCP' highlighted. The main area is titled 'DHCP' and contains the following fields and controls:

- Interface:** A dropdown menu set to 'FastEthernet0'.
- Service:** A radio button set with 'On' selected and 'Off' unselected.
- Pool Name:** An input field containing 'serverPool'.
- Default Gateway:** An input field containing '0.0.0.0'.
- DNS Server:** An input field containing '192.168.123.1'.
- Start IP Address:** Four input fields containing '192', '168', '123', and '0'.
- Subnet Mask:** Four input fields containing '255', '255', '255', and '0'.
- Maximum Number of Users:** An input field containing '255'.
- TFTP Server:** An input field containing '0.0.0.0'.
- WLC Address:** An input field containing '0.0.0.0'.
- Buttons:** 'Add', 'Save', and 'Remove' buttons are located below the DHCP fields.
- Table:** A table with 8 columns: 'Pool Name', 'Default Gateway', 'DNS Server', 'Start IP Address', 'Subnet Mask', 'Max User', 'TFTP Server', and 'WLC Address'. It contains one entry:

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

A 'Top' link is visible at the bottom left of the window.

5. Setting ip client

The screenshot shows the 'PC1' configuration window with the 'Desktop' tab selected. Under the 'DHCP' radio button, the following fields are filled: IP Address (192.168.123.4), Subnet Mask (255.255.255.0), Default Gateway (0.0.0.0), and DNS Server (192.168.123.1). The 'Static' radio button is unselected. Below this, the 'IPv6 Configuration' section has 'Static' selected, with fields for IPv6 Address, Link Local Address (FE80::209:7CFF:FE2B:5723), IPv6 Gateway, and IPv6 DNS Server. The '802.1X' section has 'Use 802.1X Security' unchecked, 'Authentication' set to 'MD5', and an empty '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 following text:

```
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:\>
```

A 'Top' button is visible at the bottom left of the configuration window.

7. Tes DNS

