

DNS Configuration:

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1BM19CS404

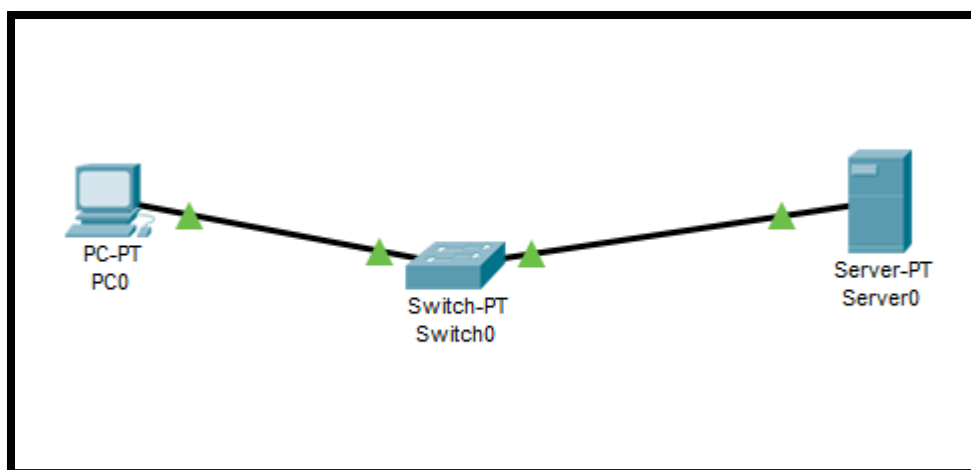
Aim: Configuring DNS Server.

Procedure:

1. Create a topology as shown in the figure below.
2. Add DNS as 10.0.0.2 to the PC0 & The IP Address as 10.0.0.1 & Gateway 10.0.0.2
3. Click on Server & click on Services → HTTP & HTTPS click on 'ON' then select the DNS click on 'ON' & add **Name:** test.com **Address:** 10.0.0.2
4. Now go to config → fast Ethernet - IP Address: 10.0.0.2 subnet Mask: 255.0.0.0
5. Now go to settings in the config Gateway – 10.0.0.2 & DNS server: 10.0.0.2

Observation: PC communicated with the server using the IP Address as well as using the Domain Name.

Topology:



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DNS Server config:

The screenshot shows the 'Services' tab in a network management tool. The 'DNS' service is selected in the left sidebar. The main panel is titled 'DNS' and contains the following fields and controls:

- DNS Service:** A toggle switch set to 'On'.
- Resource Records:** A section for adding and managing DNS records.
- Name:** A text input field.
- Type:** A dropdown menu set to 'A Record'.
- Address:** A text input field.
- Buttons:** 'Add', 'Save', and 'Remove' buttons.
- Table:** A table with columns 'No.', 'Name', 'Type', and 'Detail'. It contains one record: No. 0, Name 'mdyaseen.com', Type 'A Record', and Detail '10.0.0.2'.
- DNS Cache:** A button at the bottom left.

Gateway & DNS Server:

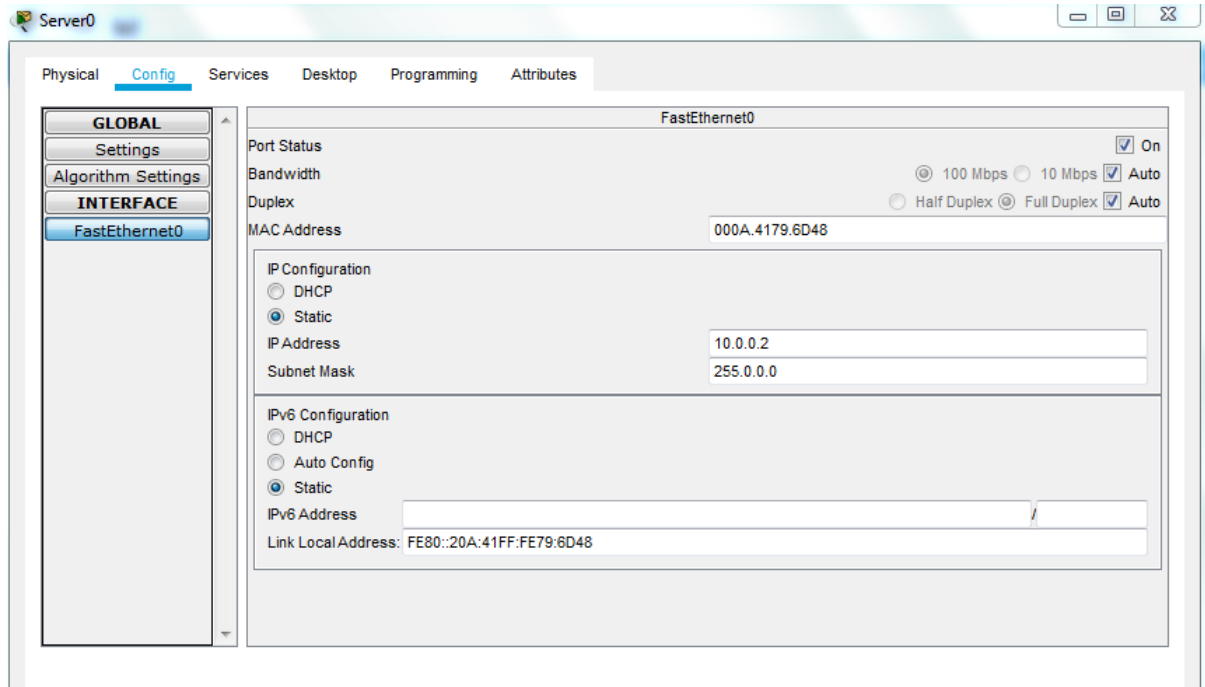
The screenshot shows the 'Config' tab in a network management tool. The 'Global Settings' section is selected in the left sidebar. The main panel is titled 'Global Settings' and contains the following fields and controls:

- Display Name:** A text input field set to 'Server0'.
- Gateway/DNS IPv4:** A section with a radio button set to 'Static'. It includes fields for 'Gateway' (10.0.0.2) and 'DNS Server' (10.0.0.2).
- Gateway/DNS IPv6:** A section with radio buttons for 'DHCP', 'Auto Config', and 'Static' (selected). It includes fields for 'IPv6 Gateway' and 'IPv6 DNS Server'.

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Server IP Address:



PC Communicating Using IP Address:



DNS Configuration:

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PC Communicating Using Domain Name:

