

Experiment 8:

Configure Web Server, DNS within a LAN

Date _____
Page _____

Domain Name Service

Aim: To Configure web server, DNS within a lan.

Topology:

```
graph TD; Switch[switch] --- PC[PC  
10.0.0.1]; Switch --- Server[...  
server  
10.0.0.10]
```

The diagram illustrates a simple LAN topology. At the top, a switch is connected to two devices below it. On the left is a PC with the IP address 10.0.0.1. On the right is a server, represented by a box with three dots at the top, the word 'server' in the middle, and the IP address 10.0.0.10 at the bottom.

Procedure.

- Place an end device, a switch and server in the logical interface
- Connect the devices to switch using a copper straight through wire.
- Configure ip address for the end device and server.
- Open the services tab in server settings and navigate to DNS
- Add a new domain for the ip address of the server.
- Navigate to HTTP to edit the web page files
- Edit the index.html file according to requirements

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- Open the desktop in the pc and navigate to web browser.
 - Type the domain name set in the address bar to view the web page.

Output:

web browser

URL: <http://www.akram.com>

Go Stop

My Resume

Name	Akram
USN	IBM21CS013
SEM	4
CGPA	9.35
	Web development
Skills	React JS
	Node JS
	MERN Stack

Observation: It can be observed the web pages are served from the server through a domain name instead of ip address.

10/10
25/7/23

Topology and output screenshots:

