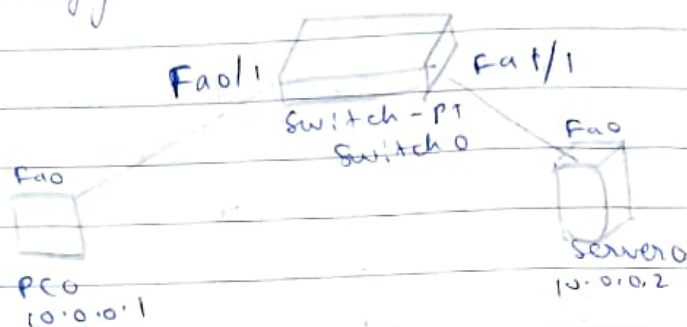


20/12/23

Experiment - 6

Configure web server, DNS within a LAN

Topology :-



Procedure:-

- i) Connect a PC, router & 1 server using copper straight through wire
- ii) Set the IP address of PC and server.
- iii) click on server → services → HTTP
- iv) click on index.html & change some text to BMS College of Engineering
- v) click on web browser of PC0 which we get from desktop
- vi) type in `http://10.0.0.2` in URL & press go
- vii) Notice the changes.
- viii) Now click on Server0 → services → DNS service on
- ix) Name in Resource records 'bmsece' and address 0.0.0.2 and press Add
- x) Now click on index.html & other links to make more changes. Make a CV.
- xi) Afterwards, click on PC → desktop → web browser
- xii) In the URL just give domain name, `bmsece` and press go.
- xiii) We can notice the changes.

in server 0, services, DNS

No	Name	Type	Detail
0	bmsecse	A Record	10.0.0.2

Result:

Web Browser

URL: <http://BMSECSE>

BMS College of Engineering

Adit's CV opening doors to new opportunities. Mind
Quick links: wind open

Languages I know

Image page

Image

URL: <http://BMSECSE/languages.html>

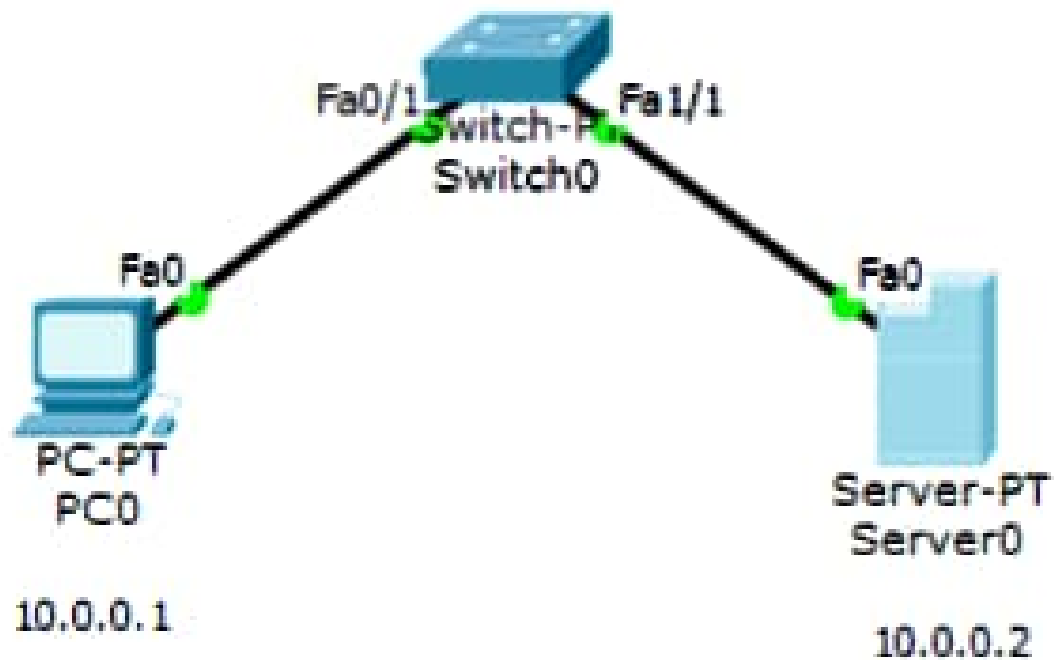
Languages: HTML, CSS, Java, C, SQL, MongoDB

Back

Observation:

DNS → Domain Name System.

- i) It turns domain names into IP addresses, which allows browsers to get to websites & other internet resources
- ii) So in the URL, we can just give the Domain Name instead of IP address
- iii) Benefit: can map to a new IP address if the host's IP address changes. They are easier to remember than IP addresses.



SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

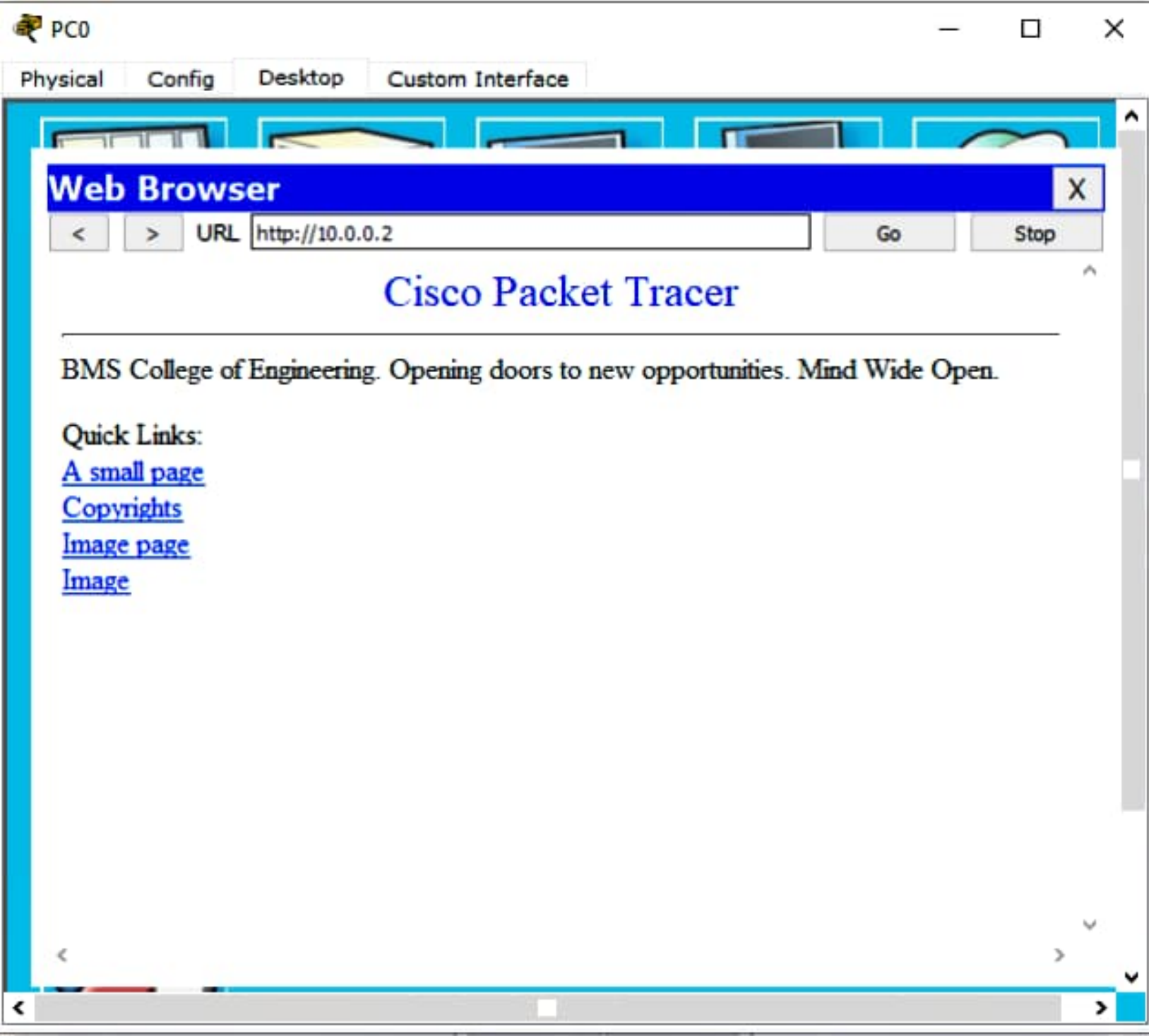
FTP

File Name: index.html

```
<html>
<center><font size='+2' color='blue'>Cisco Packet
Tracer</font></center>
<hr>BMS College of Engineering. Opening doors to new
opportunities. Mind Wide Open.
<p>Quick Links:
<br><a href='helloworld.html'>A small page</a>
<br><a href='copyrights.html'>Copyrights</a>
<br><a href='image.html'>Image page</a>
<br><a href='cscoptlogo177x111.jpg'>Image</a>
</html>
```

File Manager

Save



Web Browser



URL

Go

Stop

Cisco Packet Tracer

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Quick Links:

[A small page](#)

[Copyrights](#)

[Image page](#)

[Image](#)



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	bmscece	A Record	10.0.0.2

DNS Cache



Physical

Config

Services

Desktop

Custom Interface

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

File Name: index.html

<html>

<center>BMS College of
Engineering</center><hr>Aditi's CV. Opening doors to new opportunities. Mind Wide
Open.

<p>Quick Links:

Languages I know

Image page

Image

</html>

File Manager

Save

Physical Config **Services** Desktop Custom Interface

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

File Name: languages.html

<html>

LAguages: HTML, CSS, Jave, C, AQL, MongoDB

Back

</html>

File Manager

Save

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Quick Links:

[Languages I know](#)

[Image page](#)

[Image](#)



PC0



Physical Config Desktop Custom Interface

Web Browser



URL

http://BMSCECSE/languages.html

Go

Stop

LAguages: HTML, CSS, Jave, C, AQL, MongoDB

[Back](#)