University of Asia Pacific

Course Code: CSE 320

Course Title: Computer Networks lab

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Implementation of HTTP Server:

At first implement rip2, necessary codes:

router0:

route rip
version 2
network 192.168.1.0
network 10.0.0.0
ex
do show ip route

Then,

router1:

route rip
version 2
network 10.0.0.0
network 192.168.2.0
do show ip route

Step-1: After configuring the rip2, give ip configuration on http server (server 1).

Step-2: Go to the DNS server on Server 0, give a website name and ip address.

Step-3: Edit the index file as per your wish.

Step-4: Go to PC0, desktop and web browser then type the web address, it should be displayed. Also it can be accessed by the ip address.

Implementation of FTP Server:

Step-1: Give ip configuration on ftp server (server 2).

Step-2: Go to FTP server, choose FTP, add username, password with permissions.

Step-3: Go to the DNS server, then add the FTP website.

Step-4: Go to PC0, command prompt and log in.

Step-5: Go to the text editor of PC0 and make a text file.

Step-6: Put the hello.txt file and see all files by dir command.

Step-7: Go to a viewer PC (PC1), then command prompt and download the hello.txt file from the FTP server by using get hello.txt.

Implementation of EMAIL Server:

Step-1: Give IP configuration on email server (server 3).

Step-2: Go to email on server 3, add domain name and admin-viewer with password. I'm using sadnan.com as my domain name.

Step-3: Go to admin PC0 and configure the mail.

Step-4: Go to viewer PC1 and configure the mail.

Step-5: Compose an email.

Step-6: Send the mail. It should succeed.

Step-7: Go to admin PC0 and receive the mail.

Check if all the servers (DNS, HTTP, FTP, EMAIL) are working properly,

Overall screenshot of the whole architecture-