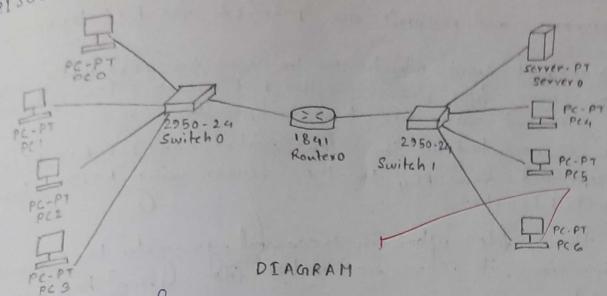
Problem statement: - Configure DNS server, FTP server, web server and mail souver services in a simple computer notwork using ersco Packet Tracer.



steps to configure DNS A Redicated DNS server is setup within the network infrustructure configuring Domain name and sower IP address, subnet mask,

Refault gateway etc.

2) The DNS server zones, records, resolver settings one configured based on the network's 20 main structure.

The DNS quaries from client Devices are ensured to be routed to the DNS server for name resolution.

The steps repeated for the other PCs and sower.

If the DNS service is turned on and all IP configurations

are okay then ping should work.

Ex- PCE from PC4 , ping should be successful.

Steps to configure FTP server:

An FTP server is Deployed with the network, Usually on a Redicated server. It is Reployed on servero.

Static IP addresses one configured on the end devices and the server, Subnet mask and sefault gaterry

are also configured.

FTP client is build in the PCs to send files to an FTP sower, configured in the souver.

- 4) From the command prompt of the PC, FTP the server using the server IP address by typing ftpc IP address.

  5) The weename and possword one provided for FTP login.
  - 6) PC4 has an FTP client which can be used to read write, Delete and as rename files present in the FTP sewer. The permission one accessed for file transfer operation.
  - The is coreated in the tent editor, named as FTP-FILE. In It is uploaded from PC4 to the server using FTP by typing put FTP-FILE. txt.
  - 8) Once the file upload is successful going to the server FTP directory, it is verified if the file I sent how been recleived.
  - The file FTP- FILE. +x+ is 20 wnloaded from the server by typing; get FTP- FILE. +x+.
  - 10) The file FTP-FILE. +x+ is renamed by typing: rename
    FTP-FIE. +x+ MyFile. +x+.
  - A steps to configure web server:
    - 1) A network topology is weated as per the Diagram.
    - 2) Static IP address, subnet mask and Default gateway we configured of the PCs and the server
    - The sewices is opened and some HTML code is written the sewing is working or not.
    - 4) PC5 to hos been opened and clicked on the web brown
    - The same IP, that has been given to the web server go. The ordered to the address born and clicked
    - 6) Now the web page is opened with contents such as

eters to configure mail service: pretwork topology is created as per the Diagram.
static IP addresses, subnet mask and Default gateway are configured of the PCs and the sower. The mail service is shown in the same DNS server. NOW the mail clients on the PCs and mail service on the generic for example PC4 and PC5 are configured as mail clients. The enail client is configured by filling in the recover, user, senser and login information and saved. server are configured. For example PCO is configured as same To configure email server, clicked on the services tab and picked email server from the menu. The Domain name of the server is provided for example gmail.com. After entering a username and ponsuord, the users can be added to or removed (-) by dicked dicking on Add and remove. For DNS server, clicked on the services tab and picked DNS. The service is furned on, name-address pairsance saved and assed to the souver. Now the DNS entries Finally, the email services are tooted, we goto the PCY email client, an email is compossed and sent to PCY email address. On the email client of PCO chicked can be shown. on receive. It is clicked whether the mail from PC4 is received on PCo. manks:- The DNS server, FTP server, web server, mail services are implemented successfully in Cisco Packet Tracer.