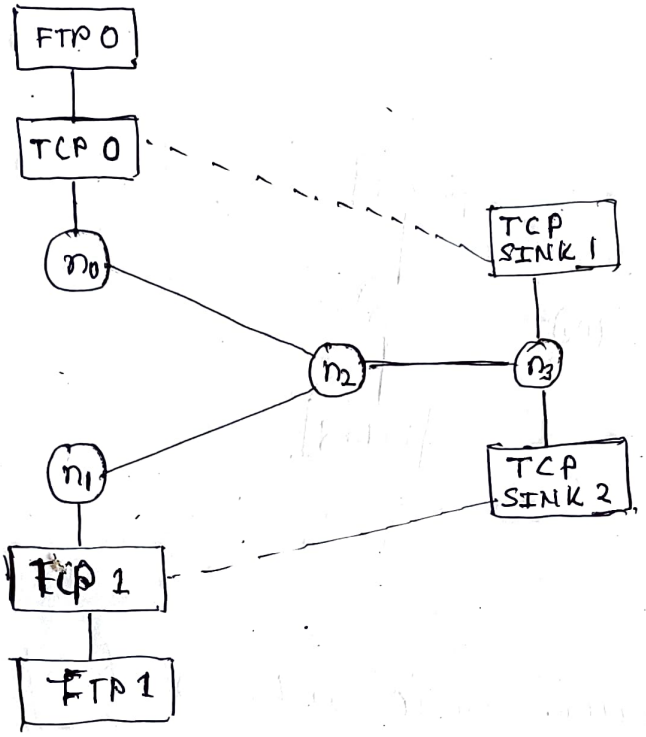
EXPT No - 1

) Network Design

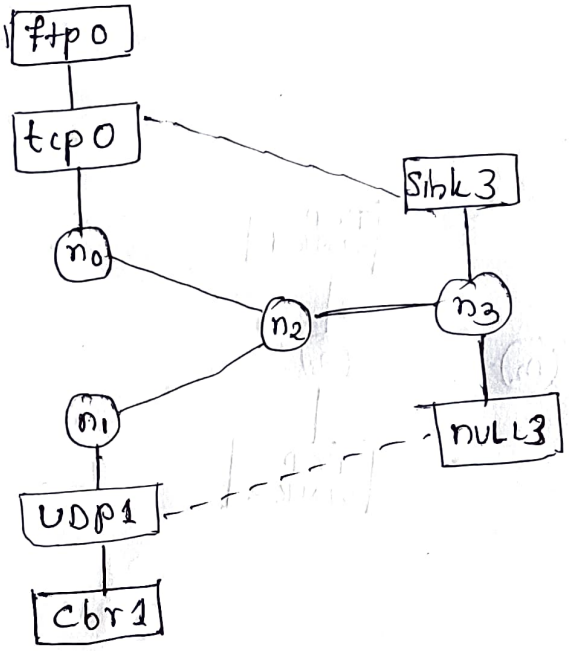


Procedure

1) Create Four node network with necessary node parameters.
2) Create Duplex Links and set the appropriate link parameters
3) Generate TCL Script and save it with filename.tcl file
4) Analyze the network performance parameters using AWK Script
5) Vary bandwidth and queue size and follow the steps from 1 to 5
6)

EXPT-02

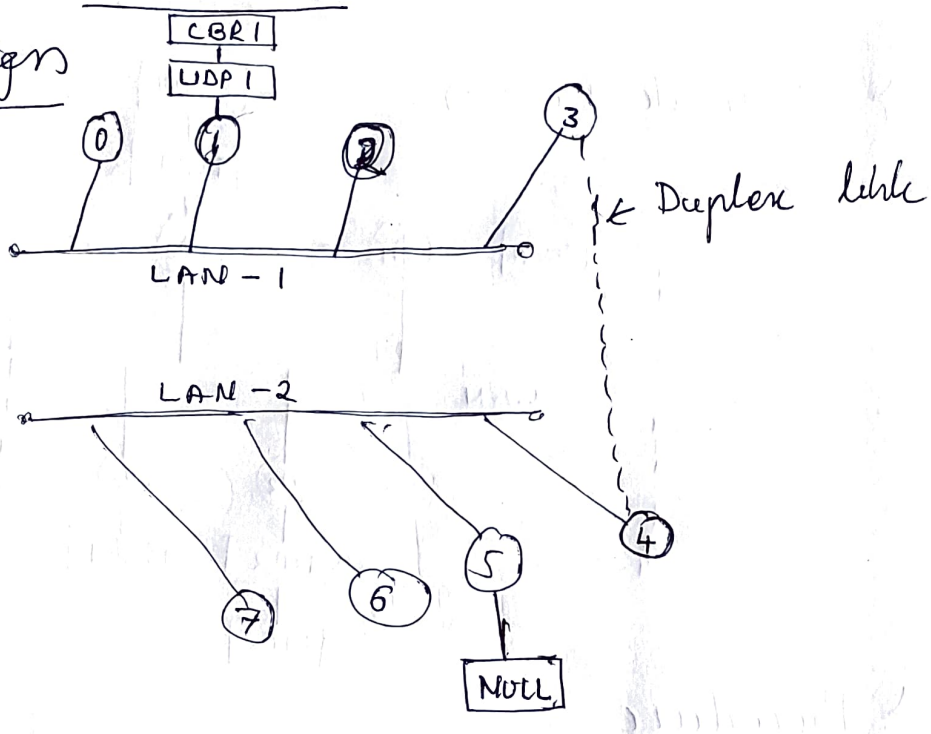
6) Network Design



1) Create three node network
2) Create Duplex links with appropriate parameters.
3) Apply TCP agent between $N_0 - N_3$ and UDP between $N_1 - N_3$.
4) Apply relevant applications over TCP and UDP agent
5) Determine the number of packets sent by TCP / UDP
6) ~~Change the parameters (Bandwidth, queue size)~~
6) Repeat the steps 1 to 5 with different parameters: Band width, queue size etc.

EXPT - 03

Network Design



Procedure

1) Create two LAN (Local Area Networks) with 8 nodes
   LAN 1: n_0, n_1, n_2, n_3
   LAN 2: n_4, n_5 n_6 n_7

2) Create Duplex Link between two LANs
   Connect Node n_3 to n_4

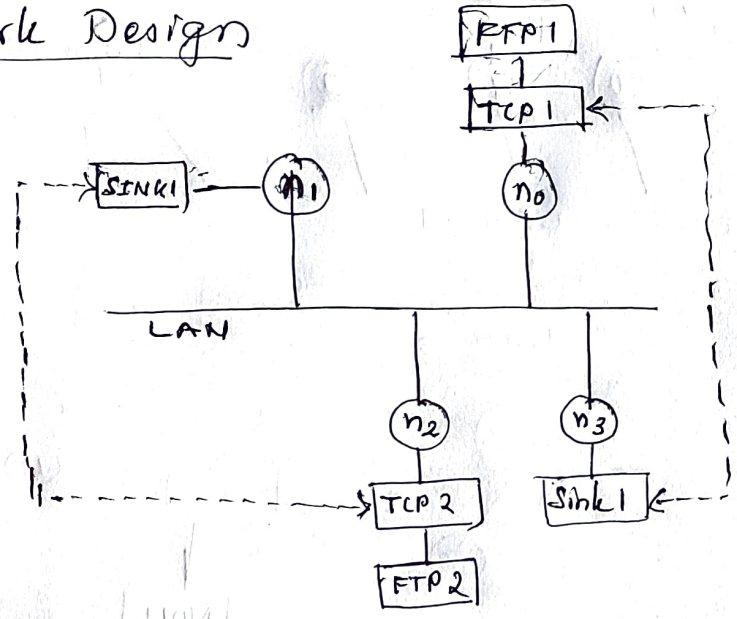
3) Select one of the nodes in LAN 1 as source and one node from LAN 2 as destination

4) Compare the throughput by changing the error rate and data rate.

5)

EXPT - 04

> Network Design



> Procedure

1) Create single Ethernet LAN using n (=04) nodes

LAN : n0, n1, n2, n3

2) Select two nodes as source and remaing two nodes as destinations.

3) Apply relevant parameters

4) Determine Congestion window for different source / destinations