

Network Topology Simulation with Ns2

create scenario and study the performance of token Ring and token bus protocol through simulation

ALGORITHM FOR TOKEN BUS :

1. Create a simulator object
2. Define different colors for different data flows
3. Open a nam trace file and define finish procedure then close the trace file, and execute nam on trace file.
4. Create seven nodes that forms a network numbered from 0 to 6
5. Create duplex links between the nodes and add Orientation to the nodes for setting a LAN topology
6. Setup TCP Connection between n(1) and n(4)
7. Apply CBR Traffic over TCP.
8. Schedule events and run the program.

ALGORITHM FOR TOKEN RING:

1. Create a simulator object
2. Define different colors for different data flows
3. Open a nam trace file and define finish procedure then close the trace file, and execute nam on trace file.
4. Create SEVEN nodes that forms a network numbered from 0 to 6
5. Create duplex links between the nodes to form a Ring Topology.
6. Setup TCP Connection between n(1) and n(5)
7. Apply CBR Traffic over TCP
8. Schedule events and run the program.