Abstract

Distributed computing is widely used by many researchers due to several advantages in terms of low cost with high efficiency. In the present paper, a step topological structure is explained and process model is designed through Markov chain. The energy is computed when information is transmitted from one node to another node. End to End delay is also computed in terms of the transmitted rate. Transmission time is also computed and results are represented in terms of table and graph. Since, it is newly developed topological structure under distributed environment, hence comparison on the said topological structure is not possible however it can be converted in the form of bus topology.

References


Index Terms

Computer Science  Distributed Systems

Keywords