Abstract

With the rise of user based on distributed network system, traffic congestion is one of the unavoidable situations. Distributed network consists of various networks, processors and intermediary devices that overload the switches or routers with high traffic and it is because of the design fault in the distributed networking architecture. Even though several researchers address the congestion detection technique, its avoidance and mitigation in their research are hard to be explored for any effective solution for this problem. This paper investigates the work being carried out in the recent past for finding an effective solution to this serious problem. In addition to that the study also proposes an idea of cross layer technique that can be adopted to have an effective control on congestion in distributed networks.

References

Vol. 49, pp. 237-252


- Xin, W. and Levinson, D. 2007. Stochastic congestion and pricing model with endogenous departure time selection and heterogeneous travelers, 86th Annual Meeting of the Transportation Research Board in Washington, DC
nl/ publications/
- Internet Draft, RFC2581
- ITU-T Study Group 13 Future networks including mobile and NGN. 2012. World Telecommunication Standardization Assembly, Dubai

Index Terms

Computer Science  Distributed System

Keywords

Cross layer  Congestion Control  Distributed Network  Layered Approach  Quality of Service.