Abstract

This paper analyzes the importance of a centralized controller based system with congestion over the network. Some previous researches show validity of the centralized controller by experiments [11]. However, the effectiveness has not proved analytically. Therefore, this paper provides an idea for the congestion control over the path instead of over coming it from the congested node. When delays in the packet arrival over the network takes place that information instead of slowly flowing to all the nodes can be transferred to the centralized node at once when autonomous system is established and this can be then further transferred to the nodes without delay that need to send their packets using that path. This will over come many
problems like delays, lack of efficiency of the path as well as node, retransmission and many more. The flowchart and load charts show the validity of this control in the network.

References

- Houda, Mehri Redjel," Performances assessment of the scheduling mechanism for the management of the quality service (QoS) in the IP network”, 2011.
- D. Yashiro, D. Tian, and K. Ohnishi, "Central Controller based Hybrid Control with communication Delay Compensator”, 2010.
- Bin Liu, Zhitang Li: A P2P traffic real-time identification method based on flow characteristics Xiamen University J. Xiamen University, 2007 (11): 56-60.
- D. Yashiro, Dapeng Tian," Transparency of centralized controller based bilateral control”,2011

Index Terms

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Keywords

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