Abstract

This paper studies the performance of star topology in a Small Internetworks. In this network model, general LANs models are used and a simulated environment is formed where many applications are in used at a time and their mutual effects thereof. I was performed simulations using OPNET IT GURU Academic Edition simulator. Several simulation graphs were obtained and used to analyze the network performance. The results being obtained represent the optimum possible improvements in terms of number of node, Ethernet delay (second), load (bits/sec). The result was found that when the number of nods and simulation time were varied the server loads also was changed but the delay was almost same. The only limitation of this program is that we can not save translated text i. e it can only work with predetermined application. It can apply as a University network which covers most of its departments and colleges, many industries and garments, etc. A detailed simulation study helped to find out the best solution of research questions.
Performance Study of Star Topology in Small Internetworks

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Index Terms

Computer Science
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Keywords
Small Internetworks OPNET IT GURU Ethernet delay Ethernet node Ethernet load Star topology.