Abstract

Different internet services and network performance represented in end-to-end delay and jitter are studied with respect to different link utilization. Internet users will access the internet services through simulated internet network contains number of BGP routers and Multihomed links. Both link utilization effect on the different internet services and the inability of BGP to automatically redistribute the traffic over available Multihomed Links will be highlighted. This paper also introduce a simple network design which is very close to the real internet environment and covers internet users section, ISPs section and enterprise section which represents offered internet services hoping that this model give a hand in the BGP and internet services researches.

References

1. European Research council (ERC) NetVolution-project.
http://netvolution.eu/scientific-approach.html


Index Terms

Computer Science Information Sciences

Keywords

BGP; Multihomed; HTTP; FTP; Email; OPNET.