Abstract

Multi-protocol label switching (MPLS) is rapidly emerging technology, which plays a key role in
next generation networks by enhancing speed, scalability, delivering QoS and traffic engineering features. MPLS is a framework that provides for the efficient designation, routing, forwarding and switching of traffic flows through the network. In MPLS traffic engineering signaling protocols are used to increase the performance of traffic engineering in MPLS. This paper presents an analysis of MPLS signaling protocols for traffic engineering. The comparative study of signaling protocols RSVP-TE and CR-LDP is conducted on the aspects of LSP reliability and LSP adaptability to show that MPLS provides improved network performance for heavy traffic environments.

References

- http://www.mplsinfo.org/technology.html
- Mahesh Kr. Porwal, Anjulata Yadav, S. V. Charhate, "Traffic Analysis of MPLS and Non MPLS Network"

**Index Terms**

Computer Science  
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**Keywords**

Qos  Mpls  Mpls-te  Cr-ldp  Rsvp  Rsvp-te