ABSTRACT

Differentiated Services (DiffServ) is scalable for deployment in today's Internet, and Multiprotocol Label Switching (MPLS) provides fast packet switching and the opportunity for traffic engineering. Thus, the combination of DiffServ and MPLS presents a very attractive strategy to backbone network providers.

This paper attempts to explain the con-cepts of DiffServ + MPLS and illustrate its effectiveness by performing a simulation using Network Simulator (ns-2).

The results show the fast rerouting feature of MPLS and how it alleviates the problem of link failures in DiffServ networks.