Abstract

Today in communication infrastructure internet takes major role, after the network problems the slow convergence of routing protocols becomes a increasing problem. Here the proposed scheme guarantees recovery in all single failure scenarios, using the single mechanism to handle both link and node failures. MRC is very straight forward and assumes only the destination based hop-by-hop forwarding. It will have all the information of the routers and packet forwarding also takes place. And also show estimate of the traffic demands. MRC is strictly connectionless, and assumes only destination based hop-by-hop forwarding. It can be implemented with only minor changes to existing solutions. In this paper I present MRC, and analyze its performance with respect to scalability, backup path lengths, and load distribution after a failure.
A Network Recovery Scheme for Node or Link Failures using Multiple Routing Configurations

References


Index Terms

Computer Science   Emerging Trends in Technology

Keywords

Network Recovery   Multiple Routing Configurations