



Distributed, Packet-Mediated, Packet Routing

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The Invention

A network switch holds a routing table and a network topology table so that when a link failure is detected at the network switch, the network switch may independently reroute a packet intended for that failed link using the network topology table. This processing can be performed in the data plane at a speed that can eliminate dropped packets. Intercommunication with a central controller is not required and intercommunication with other network switches may be accomplished through data plane communication by embedding the link failure information in the affected packet.

Additional Information

For More Information About the Inventors

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Tech Fields

- [Information Technology : Networking & telecommunications](#)

For current licensing status, please contact Emily Bauer at emily@warf.org or 608-960-9842