**RESEARCH ARTICLE**

# PACKET HANDLING SCHEDULING IN MULTIPLE ROUTING CONFIGURATIONS FOR FAST IP NETWORK RECOVERY

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*Abstract— As a promising approach to improve network reliability, Proactive Failure Recovery (PFR) [1] re-routes failure affected traffic to backup paths without waiting for the completion of IP routing convergence. However, the failure affected traffic may cause congestion. If a proper scheduling policing mechanism is not used when a router redirect the traffic to alternative paths an overflow of packets may occur and degrade the performance. Therefore for reliability and from congestion free here we proposed a new scheme called WFQ [2] mechanism which regulates the packets using different classes and makes the packet transmission without any loss in a packet.*

*Key Terms: - Computer network reliability; Class-Based Queuing(CBQ); failure recovery; FIFO; Fair Queuing(FQ); protection; Quality of service(QOS); routing; Traffic Engineering; Weighted Fair Queuing(WFQ)*

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