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RESEARCH ARTICLE

P-CHOKe: A Piggybacking-CHOKe AQM Congestion Control Method

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Abstract— The Active Queue Management (AQM) is a technique that consists of ECN (Explicit Congestion notifications) in internet routers. Congestion is an important issue which researcher focuses on in the TCP network environment. AQM is a router – based mechanism for early detection of congestion inside the network. This paper provides an analysis of congestion metric with flow information in queue based AQM algorithms (FRED, AdaptiveCHOKe) and compare these two algorithms and proposed a new algorithm based on AdaptiveCHOKe named as P-CHOKe.

Key Terms: - Internet; Queue; Congestion; AQM

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