

Evaluating service quality in IP networks using the Diffserv model

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Abstract: In the context of increasing demands for Quality of Service (QoS) in Internet networks, evaluating and optimizing QoS has become important. This topic focuses on researching and deploying a QoS evaluation system based on the Diffserv model for IP networks. The goal is to build an integrated method combining theory and experimentation to improve service quality in practical applications. The method used combines both qualitative analysis and field testing to provide a comprehensive view of the Diffserv system's performance. The expected results from this topic not only contribute to scientific understanding but can also be applied in real-world network solutions, enhancing overall service quality.

Keywords: QoS evaluation, IP network, Diffserv model, Application testing, Quality of service