

Ensuring service quality in IP networks using the Diffserv differentiated services model

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Abstract: In the increasingly prevalent context of IP networks and the high demand for Quality of Service (QoS) from enterprises, this topic focuses on ensuring QoS through the application of the Diffserv differentiated services model. The objective is to build an effective QoS management system based on Diffserv to meet the diverse requirements of various network service types. The research methodology combines theory and experimentation to identify and optimize QoS policies suitable for modern IP environments. The expected results of this topic will not only provide an effective technical solution but also contribute to raising awareness of the importance of QoS in IP networks.

Keywords: Service quality assurance, IP network, Diffserv