

Research on VoIP technology and simulation of VoIP delay in WLAN

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Abstract: This topic focuses on the necessity of Voice over Internet Protocol (VoIP) technology in practice, particularly in wireless local area network (WLAN) systems. The main objective is to analyze and simulate VoIP delay in order to improve the quality of internet telephony services. Through theoretical research combined with practical application deployment, the topic aims to contribute effective solutions for optimizing VoIP delay in WLAN. Expected results will identify the main factors affecting VoIP delay and propose mitigation measures to enhance service quality.

Keywords: VoIP, latency, WLAN, simulation, optimization