Colin Quinn

Prof. Joel Hachem

Wireless Security

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# Enhancing VoIP Security and Efficiency using VPN

1. This paper, *Enhancing VoIP Security and Efficiency using VPN*, focuses on securing VoIP information. In doing so, the authors have created a mobile app for Android that utilizes OpenVPN, Linphone, and Asterisk in order to use the VoIP protocol with the anonymity features of a VPN. The tests shown display 0 negative impacts of using the increased security measures of a VPN despite the expected outcome of increased dropped packets.

Similar experiments have not been as successful as this one. For example a SIP proxy server to secure VoIP has been tested but experienced dramatic drops in the server’s performance. Also a SRTP approach has been tested and saw an increased Jitter in the messages as well as the whole packet not being able to be encrypted. This new approach using a VPN allows for full encryption of the packets with the hypothesized impact on the amount of Jitter and dropped packets.

2. This paper very effectively describes the intentions of the project as well as the process of performing the tests. Additionally, the test results have a significant amount of analysis included with them which describes