

Research on network security issues in the RPL protocol

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Abstract: In the current context, the importance of cybersecurity is becoming increasingly evident, especially for protocols such as RPL, which are widely used in sensor networks. This topic aims to address the issue of information security in RPL by combining theoretical research with experimentation. Our main objective is to build an effective security system to ensure the integrity and confidentiality of data transmitted over RPL networks. Through the research process, this topic is expected to provide useful solutions for sensor network developers and raise awareness of cybersecurity issues within the technical community.

Keywords: cybersecurity, RPL protocol, sensor network