

Design and simulation of an intrusion detection network system for the Tuần Giáo District Ethnic Boarding High School

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Abstract: In the increasingly complex context of cybersecurity, this topic focuses on designing and simulating an Intrusion Detection System (IDS) specifically for ethnic minority boarding schools in Tuan Giao district. The project aims to enhance school information security while meeting the need for effective security management. The research method combines network theory and experimentation to develop the system, followed by evaluating its effectiveness through tests. The topic is expected to contribute to improving cybersecurity at local educational institutions.

Keywords: Intrusion detection network system, Cybersecurity, Ethnic boarding high school, Network simulation, Information security