

Research and development of an intrusion detection system for the network system of the Learning Resource Center - Thai Nguyen University

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Abstract: In the increasingly complex context of cybersecurity, this topic focuses on researching and building an intrusion detection system to protect the information security of the learning resource center network system at Thai Nguyen University. The main objective is to develop an effective solution for early detection of abnormal behaviors that could lead to network intrusions. The research methodology includes synthesizing and analyzing advanced technologies in the field of cybersecurity, along with experimental deployment to evaluate the system's performance. The expected results of this topic are not only a practical application solution but also a contribution to the comprehensive development of cybersecurity within the organization.

Keywords: Intrusion detection system, Cybersecurity, Learning resource center network