

Research solutions and develop software to ensure information security for network systems.

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Abstract: In the context of increasingly growing information security threats, this topic focuses on researching and deploying a technical solution to protect information security on network systems. The objective of the work is to build a specialized software with the ability to effectively detect and prevent cyber attacks. Through a process of theoretical research combined with experimentation, the topic aims to contribute to enhancing security for organizations through automated and customizable solutions. The expected results of this study not only reflect the necessity of applying cybersecurity technology but also demonstrate the potential for widespread deployment in practice.

Keywords: cybersecurity, security software, network systems, attack detection techniques, enhancing security