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ANALYSIS OF THE EFFECTIVENESS OF INFORMATION NETWORK SECURITY MEASURES IN AN ECONOMIC CORPORATE ENVIRONMENT

Summary

In modern conditions of the digital environment, the protection of confidential information in economic organizations is of paramount importance. This article examines the critically important sphere of information network security and investigates its effectiveness in the economic corporate environment. The relevance of this research is driven by the increasing frequency and complexity of cyber threats targeting enterprises worldwide, necessitating a comprehensive study of the effectiveness of security measures.

The research aims to assess the effectiveness of existing information network security measures applied in the economic corporate environment. This study identifies their real effectiveness in reducing cyber threats and protecting corporate assets through detailed analysis of various security protocols, encryption methods, access control, and monitoring systems.

The research results reveal both strengths and weaknesses of modern information network security practices. Despite some measures demonstrating high resilience to typical cyber threats, vulnerabilities persist, exposing corporations to potential data breaches and compromises. Factors such as inadequate employee training, outdated software and emerging cyber threats exacerbate these vulnerabilities.

Based on the data obtained, several important conclusions can be drawn. Firstly, a comprehensive approach to information network security is necessary, which encompasses technological, organizational, and human factors. Secondly, continuous monitoring, assessment, and adaptation of security measures are mandatory for effectively combating new cyber threats. Moreover, fostering a culture of cybersecurity among employees is crucial for strengthening corporate defense.

In conclusion, this article underscores the critical importance of reliable information network security measures in the economic corporate environment. Through comprehensive evaluation of the effectiveness of existing security protocols, vulnerability identification and outlining strategies for improvement, the results of this research contribute to enhancing corporate protection against cyber threats.

Keywords: Data protection, cyber threats, information encryption, cyber security compliance, cryptographic protocols.

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