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A Study for Network Security Through New Policy

Geetu Soni, Student, Dept. of Management, Department of Computer Science, Singhania University (Rajasthan)

Abstract

The increasing dependence on computer networks for communication, business operations, financial transactions, and information sharing has made network security a critical concern for modern organizations. This study examines network security through the implementation of new and updated security policies designed to address emerging cyber threats and vulnerabilities. The research focuses on key policy areas such as access control, authentication, data protection, network monitoring, incident response, employee security awareness, and regular security assessment. Traditional security measures alone may not be sufficient to protect increasingly complex network environments involving cloud services, remote access, mobile devices, and interconnected systems. Therefore, new security policies should adopt a proactive and risk-based approach that continuously identifies vulnerabilities and strengthens organizational resilience. The study also considers the importance of clearly defining user responsibilities, establishing security standards, controlling unauthorized access, and developing effective procedures for detecting and responding to security incidents. In addition, regular policy reviews are necessary to ensure that security practices remain consistent with technological developments and changing cyber risks. The study suggests that successful network protection depends not only on technical solutions but also on effective governance, employee awareness, management support, and continuous policy enforcement. Overall, the research highlights how well-designed and regularly updated security policies can contribute to stronger network protection, improved data confidentiality and integrity, reduced security risks, and greater organizational preparedness against evolving cyber threats.

Keywords: Network Security, Cybersecurity Policy, Information Security, Access Control, Data Protection, Network Monitoring, Risk Management, Incident Response, Cyber Threats, Security Awareness.