Application of Network Forensics in cyber attack investigation analysis

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Abstract: This topic aims to research and apply Network Forensics to develop effective analysis methods for investigating cyber attacks. The context of the topic is based on the reality of the serious increase in cyber attacks, requiring increasingly advanced and comprehensive information protection measures. The objective of the research is to build a forensic analysis system that helps identify, investigate, and prevent attacks quickly and accurately. The approach combines both theory and experimentation to ensure the accuracy and effectiveness of the system. The significance of the topic lies in its ability to provide useful solutions for network organizations in protecting information, while contributing to the development of forensic technology in the field of cybersecurity.

Keywords: Network Forensics, Network Attack Analysis, Cybersecurity, Investigation System, Information Security