

Navigating the Labyrinth: Unraveling Security Threats and Vulnerabilities in Network Infrastructures

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Abstract: *As our reliance on interconnected digital networks continues to grow, so does the complexity of security challenges. This paper delves into the intricate landscape of network security, exploring the evolving threats and vulnerabilities that jeopardize the integrity and confidentiality of information. From sophisticated cyber-attacks to subtle human errors, the spectrum of risks is vast. Through a comprehensive analysis, as a researcher aim to provide insights into emerging threats, assess vulnerabilities in network infrastructures, and propose strategies to fortify defenses. By understanding the ever-changing landscape of network security, organizations can proactively safeguard their digital assets and maintain the trust of users in an era of persistent and dynamic threats.*

Keywords: Cyber Sentinel, Security Threats, Vulnerabilities, Network Infrastructures, Digital Connectivity

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