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Defend Yourself from CVE-2023-23397

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Abstract: *The Common Vulnerabilities and Exposures (CVE) identifier CVE-2023-23397 describes a critical security flaw in Microsoft Outlook. This vulnerability allows attackers to execute privilege escalation attacks by crafting malicious calendar invites or messages, exploiting the NTLM authentication protocol without user interaction. This paper discusses the technical aspects of the vulnerability, mitigation strategies, and its broader implications for Cyber security. In addition to detailing the mechanics of CVE-2023-23397, this paper will also explore the potential impact on organizations, particularly those heavily reliant on Microsoft Outlook for communication and scheduling. The ability for attackers to leverage this vulnerability to escalate privileges poses significant risks, including unauthorized access to sensitive information and systems. By examining real-world scenarios and case studies, we will highlight the urgency of addressing this vulnerability and implementing robust security measures. Furthermore, this analysis aims to foster a deeper understanding of the importance of regular software updates, user education, and the adoption of security best practices as essential components in the defence against evolving cyber threats. Insider Security analysed the possible exploitation techniques for the recent Outlook vulnerability, as well as methods for early detection of such exploits, both for this specific vulnerability and future similar vulnerabilities. Microsoft recently released a patch for Outlook vulnerability CVE-2023-23397, which has been actively exploited for almost an entire year.*

Keywords: Arduino, IR Sensor, DC Motor, Android Studio

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