

A Review on a Study of Block Chain-Based Malware Detection System for Smartphone Applications

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Abstract: *The widespread use of smartphones in modern culture has resulted in an increased threat of malware targeting these devices, demanding novel techniques to improve security. Blockchain technology has emerged as a possible alternative due to its decentralization, transparency, and immutability. This research paper looks at the state of blockchain-based malware detection systems for smartphone applications. We discuss typical malware detection approaches and the obstacles they confront in the mobile context. We also go over the fundamentals of blockchain technology and how it can be used to improve security. We examine various techniques to integrate blockchain into malware detection systems using case studies and academic articles, emphasizing the benefits of decentralization and transparency. Despite the potential benefits, we find several issues with blockchain-based solutions, including scalability, performance, and privacy concerns. Finally, we explore future research areas and provide insights into how to overcome current limits and improve the effectiveness of these systems. Overall, the purpose of this work is to provide a full understanding of blockchain-based malware detection for cellphones, as well as to guide future research in this crucial area of cybersecurity.*

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