

Research on some system scanning methods and proposal of preventive solutions

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Abstract: This topic focuses on evaluating the effectiveness of information system scanning methods, aiming to develop information security protection capabilities. The research context is set in the current era where networks and digital applications are increasingly expanding, which also means a higher risk of attacks. The objective of the study is to identify and analyze the most effective scanning methods, thereby proposing specific preventive solutions to enhance system security. The approach includes synthesizing network security theory and conducting experiments with modern scanning tools. The expected results will provide a clearer understanding of information protection strategies, offering a foundation for application developers and system administrators.

Keywords: System scanning methods, information security, preventive solutions, network security, scanning tools