Building a malware analysis Sandbox system integrated with a Web scanner using the open-source tool ClamAV

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Abstract: In the current context, protecting network systems from information security threats such as malware has become extremely urgent. This project aims to build a Sandbox system integrated with a Web scanner using the open-source tool ClamAV to enhance efficiency in the process of analyzing and detecting malware in real-world environments. By combining theoretical research with application deployment, the project seeks to provide a comprehensive solution to protect network systems from potential risks caused by malware. The results of the project not only contribute to the development of security technology but also provide valuable information for the professional community.

Keywords: Sandbox, ClamAV, Malware, Network Security, Web Scanner