

Research on the functions of the next-generation firewall Suricata and its application in enterprise internal networks

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Abstract: This topic aims to survey and evaluate the advanced features of the Suricata firewall, a well-known free tool. The context of the topic arises from the practical need to enhance security for corporate internal networks. The objective is to build an effective Suricata system for application in the corporate internal environment through the integration and testing of network security policy rules. The research method combines theory with experimentation to ensure the system's suitability and optimization. The expected result is an effective security solution, contributing to improving the protection capability of corporate networks.

Keywords: Suricata Firewall, Internal Network Security, Enterprise, Technology Assessment, Rule Testing