

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

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Abstract: In the context of increasingly complex information security, this topic focuses on analyzing and evaluating the main functions of the next-generation firewall Suricata. The goal is to solve the problem of protecting corporate internal networks more effectively by applying Suricata technology. The research method includes practical testing in a simulated network environment, combined with theoretical analysis of security processes. The expected result is to provide an advanced and flexible security solution for businesses, contributing to the development of cybersecurity technology.

Keywords: Suricata firewall, internal network security, enterprise, analysis and evaluation