Deploy an IDS intrusion detection system using Snort for Scloud Company - Thai Nguyen

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Abstract: In the increasingly complex context of cybersecurity, deploying an Intrusion Detection System (IDS) based on Snort has become an effective solution to protect the systems and data of Scloud Company – Thai Nguyen. This project aims to build and deploy an automated IDS to detect network intrusion activities, thereby preventing and mitigating information security risks. Through theoretical research and experimentation, the project applies Snort in the company's real-world environment, ensuring high flexibility and adaptability to modern threats. The expected outcomes of this project not only enhance security performance but also contribute to the development of IDS technology in Vietnam.

Keywords: Intrusion Detection System (IDS), Snort, Network Security, Scloud Company - Thai Nguyen, Real Environment