ABSTRACT

Security or safety is of paramount importance in building a web server. Lots of data is very important that stored in a database server of a web. If your web server does not have an adequate security system, then the hackers would easily steal sensitive data stored on the webserver database.

The purpose of this final project is to create a webserver security system that can work automatically or without the intervention of network administrators, and interactive or administrator can easily berintraksi with security systems are made. Web server security system is made using the application of the IDS (Intrussion Detection System), firewalls, database systems, monitoring systems, and applications from the SMS gateway. Working system of the project is when the IDS detects attackers who are doing port scanning, IDS Alert will issue a warning that tells you the IP address of hackers. This Alert will be entered into the database system, iptables firewall, and SMS gateway.

The results of this project is expected to generate a web server security system that can detect and automatically block intruders and interactive. Automatic in this case the system can detect and block intruders without the intervention from the admin. Meanwhile, the interactive security system can interact with the administrator of the network, so the admin can monitor the performance of the network security system.

Keyword: *IDS, port scanning, firewall, SMS Gateway, IP address, snort, iptables*