

ABSTRACT

Security system in networks is required. A server requires security to the traffic network in order to not make a server negative that can give some negative effects to users. Users can solve these problems by using a router that can be controlled or a router that can be instructed according to that happened.

Iptables is a tool in Linux that provide packet filtering on the network. Iptables can be a solution to help the server in a set of incoming data over a network server / host. Socket is a communication mechanism that allows the exchange of data between programs in a single machine or multiple machines. Socket itself can be a solution for sending a command to the router to help the server if the existence of an anomaly in a traffic network. Routers need a program that can receive a command and execute any commands that should be done in real-time, so the server does not directly burdened with their attacks.

This final project focuses to build a host-based firewall program that put in the server or user and a router can transmit data with one point to multiple points mechanism using the socket as a method for sending and using iptables as traffic control data networks dan the executor of the attacker.

Keyword : Network Security, Iptables , Socket, Real-time sending data, host-based firewall