

ABSTRACT

Internet abuse often encountered in various forms such as access to pornography site, attack to other sites, etc. This attack is very harmful for the company because some data can be taken by those who are not responsible. Smoothwall Express is a Linux based operating system, which can perform the firewall function that useful to secure internal network. Web filtering and access control are the features of this operating system. This operating system can be integrated with Snort, a software that can detect against attack for the security on the server. Smoothwall Express will be implemented on a network with one DMZ and internal network. DMZ has security feature and internal network also has feature that able to block the specific site and restrictions on access time.

Key word : Firewall, Intrusion Detection System, Smoothwall Express