ABSTRACT

The title of the project is **Firewall Visualization Architecture**

Firewalls are devices or programs that control the flow of network traffic between networks or hosts that employ differing security postures. At one time, most firewalls were deployed at network perimeters. Firewall Rule-set is a set of directives that govern the access control functionality of a firewall. The firewall uses these directives to determine how packets should be routed between its interfaces. **Firewall rule-sets** should be as specific as possible with regards to the network traffic they control. In the proposed system Firewall system is configured to block unauthorized access while at the same time permits authorized communication based upon a set of rules. They access to certain URLs, based on the user log-in page. It allows multiple users so that each one of them can create their own posts, edit ,delete and can change password, disallowing other users to make any changes on one's posts. The administration has the permission to add or delete any user and has the authority to change their password. The system takes some text file consisting of firewall rules then the administration can view the firewall rules, add rules, analyze the rules and can visualize the total no of anomalies present in the rules like Shadowing Anomalies, Redundant Anomalies,Generalization Anomalies. In network traffic the system visualize the traffic characteristics to existing policies. Using fpdf we convert a text file consisting of firewall rules to a pdf file. An user can download the pdf file using download button.