

## ABSTRACT

This project will give you the basic knowledge and concepts of the functions of a firewall. There are many types of firewalls and types of attacks to be studied. This project will also touch upon topics of why a firewall is needed and what it will do to benefit the user. This project has been well thought out and will teach you how to setup a firewall without having any prior knowledge as to how a firewall works. A basic, safe, and easy to use system has been set up. By using Phayoune Firewall you will see a Thai security Linux distribution in action. The types and different varieties of attacks are always changing, thus there is no perfect firewall to keep up with the changing times. It is important to examine your firewall and update it often. With the popularity of the Internet and more and more people coming on-line, it is important to create these walls of security, to protect your data and information.

Hackers are out there, and getting smarter by the day, thus it is important to take action now, and protect yourself from this new type of cyber crime.