

## ABSTRACT

The Internet is a collection of networks used by a large number of computers. It enables the rest of the world to reach our computers and vice versa. Its primary purpose was to provide a communications infrastructure to the army rather than the public communication channels. This kind of communication channel is significantly changing the traditional computing way and even our daily life. One of the major concerns associated with the Internet today is its security. Since the Internet was created with the major reason of easiness in sharing information. Over 10 years ago, the Internet has been subject to pervasive security attacks. There are a large collection of threats affecting the confidentiality, integrity and availability of the information throughout the Internet. There are a large number of users who are vulnerable to attacks, because most of them are not aware of the danger of the attacks, and do not truly understand the importance of security. Sometimes they just think that a good password is the total answer for the security.

This report attempts to investigate the different areas of Internet security, which comprises definition of Internet and security; attackers; threats; and proposed solutions from the past till now. And this also provides the basic steps for making security to the users, not only general users and corporate users but also the Internet suppliers or providers and government.