

NETWORK SECURITY

In this world, existence of Computer affects life of every human being. Before half a century ago, people could never thought of exploring the whole world just sitting at one place. Computers made that possible just because they are connected to each other all over the world. Nothing in this world is secure, so Computer Networks.

Why security is essential?

No one on the Internet is immune. It is remarkably easy to gain unauthorized access to information in an insecure networked environment, and it is hard to catch the intruders (people who try to attach a network). Even if you have a computer connected to the Internet only to play the latest games or to send email to friends and family, your computer may be a target.

The consequences of a break-in may cause a minor loss of time in recovering from the problem can cause or decrease in productivity or a significant loss of money or staff-hours or a devastating loss of credibility or market opportunity or a business no longer able to compete, legal liability.

So this made me to choose my topic **NETWORK SECURITY**.

In my paper I would like to deliver on topics like

- What is NETWORK SECURITY and its importance
- Threats to data
- Causes of attacks on Network
 - Attacks against IP
 - Trojan horse programs
 - Viruses
 - Packet sniffing
 - DOS attack, renaissance attack, access attack etc..
- Security tools and various security policies
- Firewall's
- Secure Network devices