

NETWORK SECURITY: WHAT IS IT AND HOW IT CAN BE HELPFUL?

Network Security is basically a specialized field in computer networking which is involved in securing the complete network infrastructure. Normally the network security is managed or handled by system administrator or network administrator implementing all the security policies, hardware's and other network software's to secure the network. The network security consists of different components and depends on different layers of protection. As a part of the network security there is whole lot of components involved such as the hardware, security software, networking monitors and other appliances. Together all components are working towards the main goal of increasing the overall security of computer networks.

How is it purposeful?

The main purpose or the role of Network Security system is to secure your network and in a process of doing that several hardware and software components are used. Normally the network security system protects reliability, safety, integrity and the usability of your system thereby ensuring safe data over the network. The network security system specifically targets or stops different threats from spreading within the network or entering in the network.

How it protects you?

At present time there are many security threats spread over the whole World Wide Web. All such threats may intrude into your network and collect all necessary information, hence the necessity of securing the network. Here are some security threats at present time:

- Adware and spyware
- Trojan horse, worms and viruses
- Hacker attacks
- Theft and data interception
- Zero hour attacks
- Identity theft and many more.

With so many threats around it is not possible to take on single solution. For so many threats it is important to have multiple layers of security. In such case if one fails the other one will stand against such threats. A network security comprises of both hardware and software, the software's are constantly updated just to manage the system from emerging threats. The network security components generally comprises of:

- Anti-spyware and anti-virus
- Firewall which block unauthorized access to the network

- IPS or Intrusion prevention system to find out fast spreading threats

The network security system plays an effective role in any business organization.

This system will necessarily protect from any kind of business disruption ensuring employee productive. With network security your company can meet necessary regulatory compliance. With such securities around you can protect all customer data, reducing the risk of data theft. Ultimately it is the business reputation which is enhanced, considered as the most important asset.

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