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# CAN FIREWALLS REALLY PREVENT VIRUS AND TROJAN ATTACKS

Article from [Revalsys Technologies](#)

This article explains about the role of firewalls in preventing Virus and Trojan attacks



## Introduction

With most of the things getting digitalized, there is no second opinion that people are dependent on internet to do different things. Be it using for personal purpose or for official purpose, internet has gained immense acceptance in our lives. Smart phones and computers have become an indispensable part of life but it is very necessary to keep the devices secure from viruses and cyber attacks.

## What are Firewalls?

Firewalls are software programs or hardware that acts as a network security device. They are designed in such a way that it can filter the flow of traffic and block accesses that are not authorized to or from a private network. The restriction on the flow of traffic from the internet to a computer system totally depends on firewall settings. Firewalls use different methods to filter information and some of these methods are used in combinations. They work at various layers of a network making the filtering options specific.

## What does Firewalls do?

The primary function of firewall is to monitor traffic flows in and out of a specific network. It helps the computers from being infected by some viruses and some kind of internet attacks. Computers which are not equipped with firewalls are more vulnerable to such malicious things which can corrupt your system or steal important information.

Basically, firewalls help in keeping destructive elements at bay and keep your system protected. Now-a-days, most of the operating system comes with in-built firewall and internet routers also provide good firewall. It depends on the settings of the firewalls as to what type of internet security you want. Firewalls can be configured based on the following things:

- Destination IP Addresses
- Source IP Addresses
- Ports
- Domain Names
- IP Protocols
- Keywords



In organizations, a combination of both software and hardware firewalls need to be installed as every computer contains important information which needs to be protected from outside attacks. Hence, it becomes important to place firewalls at every connection to the internet.

Systems which have firewalls installed, Trojan attacks are made through e-mail attachments and software downloaded from websites. Though most users stay away from opening attachments from unidentified sender but the internet thefts are smart enough to make user download infected software. Installing such software helps in stealing important information of the user.

However, firewalls are unable to protect your computer from the following things:

- Some viruses
- A poorly configured network
- Spam messages
- Installation of malware software

## **Conclusion**

So, in addition to installing firewalls, it becomes very necessary that your computer to be protected with a strong security software which provides an amalgamation of anti-spyware, ant-virus, firewall, anti-phishing and back-up facility. A combination of all these elements can only combat different types of viruses and cyber thefts. Moreover, all software and web browser should be updated from time to time so that your system doesn't become vulnerable to viruses and other security threats.



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