



# Firewalls: Types & Advantages

Firewall is a system used for securing a network from viruses and other online threats by acting as an invisible barrier between untrusted and trusted networks. Either hardware or software based, Firewall monitors the outgoing and incoming traffic and prevents cyber-attacks.

## Different Types

Based on functionality, Firewalls can be classified as :

### Packet Filtering Firewalls

1

Compare each data packet to established criteria and then discard or forward it.

Filtering criteria is based on information contained in the data packet.

Prone to routing attacks and IP address spoofing due to its network level usage.

### 2 Application/Proxy Firewalls

Doesn't allow direct connection between internet and your system.

Examine the data flowing through the system at an application level.

Offer better security but with less speed and limited functionality.

### Hybrid Firewalls

3

Combines the features of both packet filtering and proxy firewalls in series.

Provides maximum security as these can work at both application and network level.

## Advantages Of Using A Firewall



- Helps you to monitor all the traffic entering & exiting the network.
- Blocks trojan from the outset before it even have a chance to infect the system.
- Assists in keeping the hackers and intruders away from the network.
- Hides your personal information to protect it from the outside hosts.



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