WIRELESS LAN THREATS

Unauthorized Access — Denial of Service Attack — Traffic Monitoring
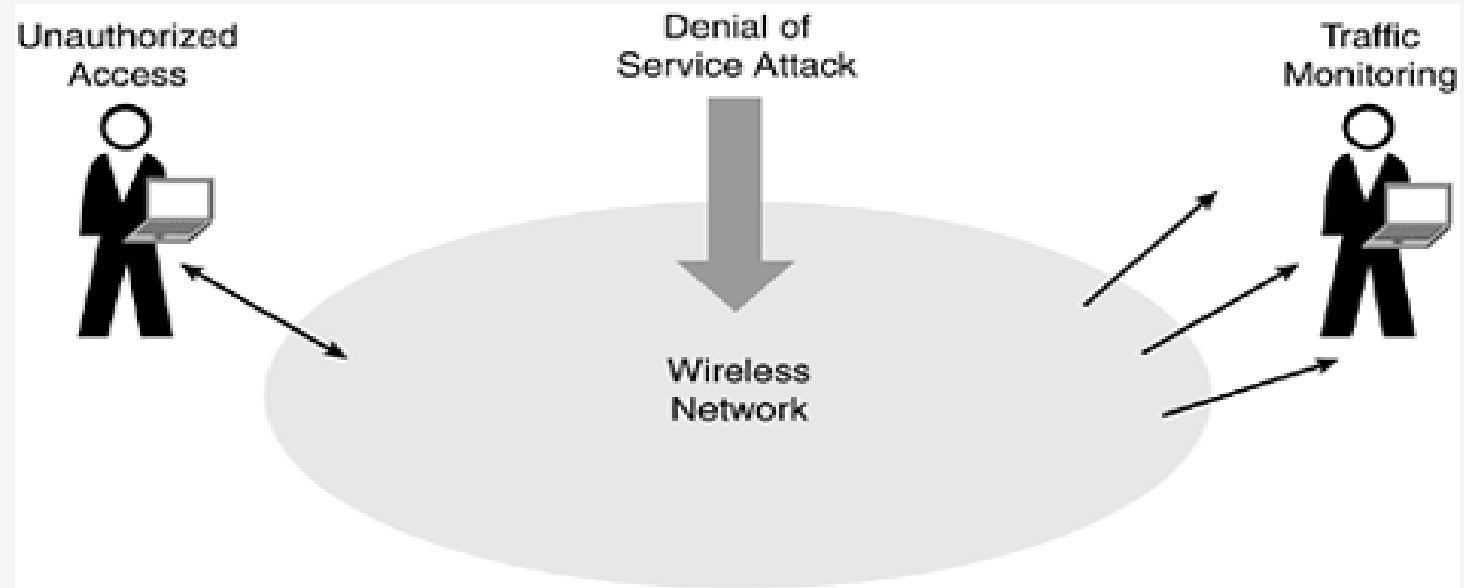
Wireless Network

General Security Issues

There are mainly five fundamental goals of security used in the information system to deal with security issues. They are:

Confidentiality

This is used to prevent unauthorized users from gaining access to any particular user's critical and confidential information.

Integrity

This is used to ensure that any type of unauthorized modification, destruction or creation of information cannot be done.

Wireless Security Issues

Denial of Service (DOS) attacks

The denial of services or DOS attacks is one of the most common attacks of all kinds of networks and especially in a wireless network. It prevents users from using network services because the attacker sends a large amount of unnecessary data or connection requests to the communication server. It causes a slow network, and therefore the users cannot get benefitted from using its service.

Eavesdropping

It specifies that the attacker can log on to the wireless network and access sensitive data if the wireless network was not secure enough. This can also be done if the information is not encrypted.

Session Interception and Messages Modification

It specifies that the attacker can intercept the session and modify the transmitted data in this session. This scenario is called "man in the middle." It inserts the attacker's host between the sender and receiver host.

Spoofing

In this security issue, the attacker impersonates him as an authorized account of another user and tries to access the sensitive data and unauthorized services.