**IP SPOOFING**

IP address spoofing or IP spoofing is the creation of Internet Protocol (IP) packets with a forged source IP address, with the purpose of concealing the identity of the sender or impersonating another computing system. Attacker can use an internal, or trusted, IP address as it a source. The access control devices as trusted and lets it through.

The following are the main causes for IP spoofing which makes it easy:

1. Problem with the Routers,
2. Routers look at Destination addresses only,
3. Authentication based on Source addresses only, and
4. To change source address field in IP header field is easy.

There are different variations in spoofing attacks, they are

1. Non-blind Spoofing
2. Blind Spoofing
3. Man in the middle attack
4. Denial of service attack