

# DNS Spoofing

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**DNS** is used to translate a domain name such as google.com and IPv4 or IPv6 address.

Types of DNS spoofing attacks:

- **MITM (ARP Poisoning)**: the hacker inserts himself in the middle of the connection between the client and DNS server. He will intercept the DNS query sent by the client and respond back to the client with a fake DNS reply indicating an IP address he controls for the domain the client was asking for.
- **DNS server compromise**, or a direct hijacking of a DNS server, which is configured to return a malicious IP address.