

## IP Source Guard and/or Unicast RPF

IP spoofing is a situation in which an intruder uses the IP address of a trusted device in order to gain access to your network.

IP Source Guard tracks the IP addresses of the host connected to each port and prevents traffic sourced from another IP address from entering that port. The tracking can be done based on just an IP address or on both IP and MAC addresses.

The Unicast Reverse Path Forwarding feature (Unicast RPF) helps the network guard against “spoofed” IP packets passing through a router. A spoofed IP address is one that is manipulated to have a forged IP source address. Unicast RPF enables the administrator to drop packets that lack a verifiable source IP address at the router. Note how similar this is to the Reverse Path Forwarding check with multicast traffic. In that case, traffic was dropped to avoid loops.