## Defending against IP forgery

IPsec - Internet Protocol Security provides authentication (AH) (and optionally encryption (ESP)) of IP traffic

- → Uses SHA2 and AES (previously SHA1 and 3DES)
- → Built-in support in IPv6
- → Transport mode and Tunnel mode (most common)
- ✓ Used usually between routers (link and network layers only)

IPsec encapsulation

IP header

IPsec header

IP header

IP header

IP header

IPsec secure channel

router |

router 2

