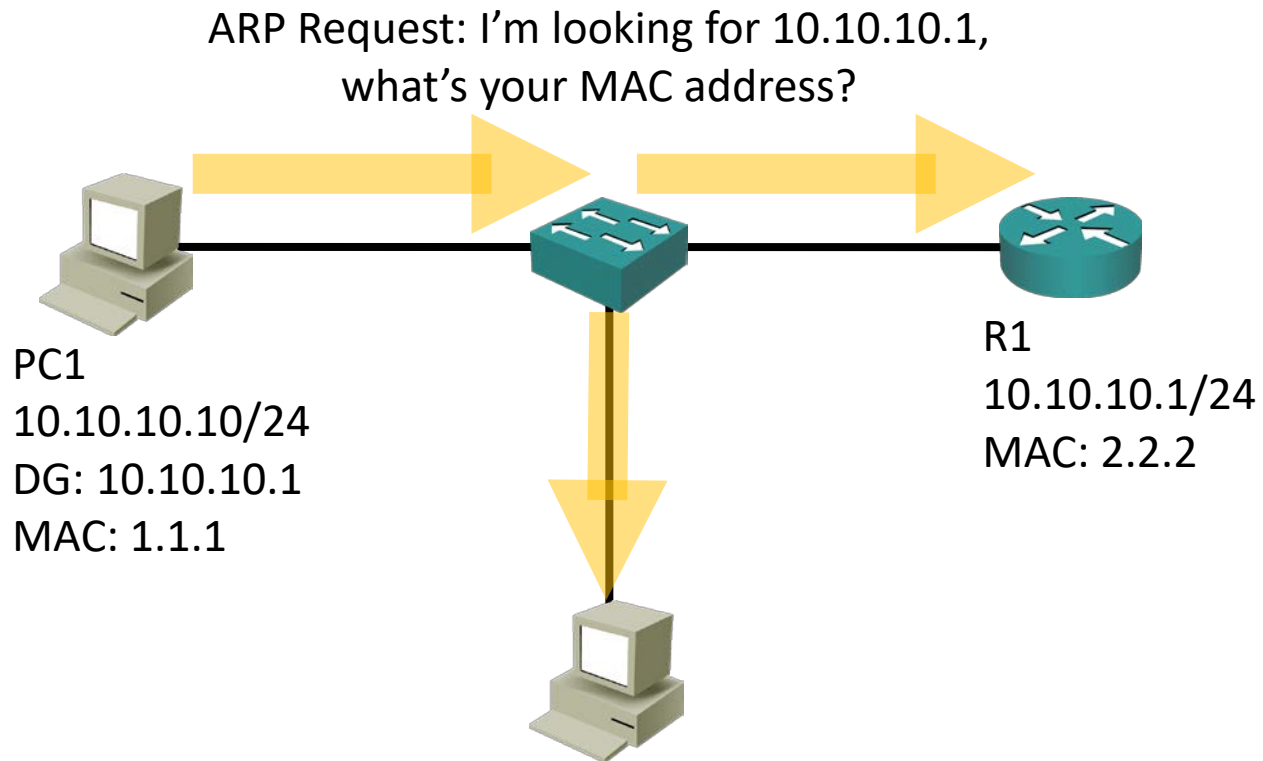
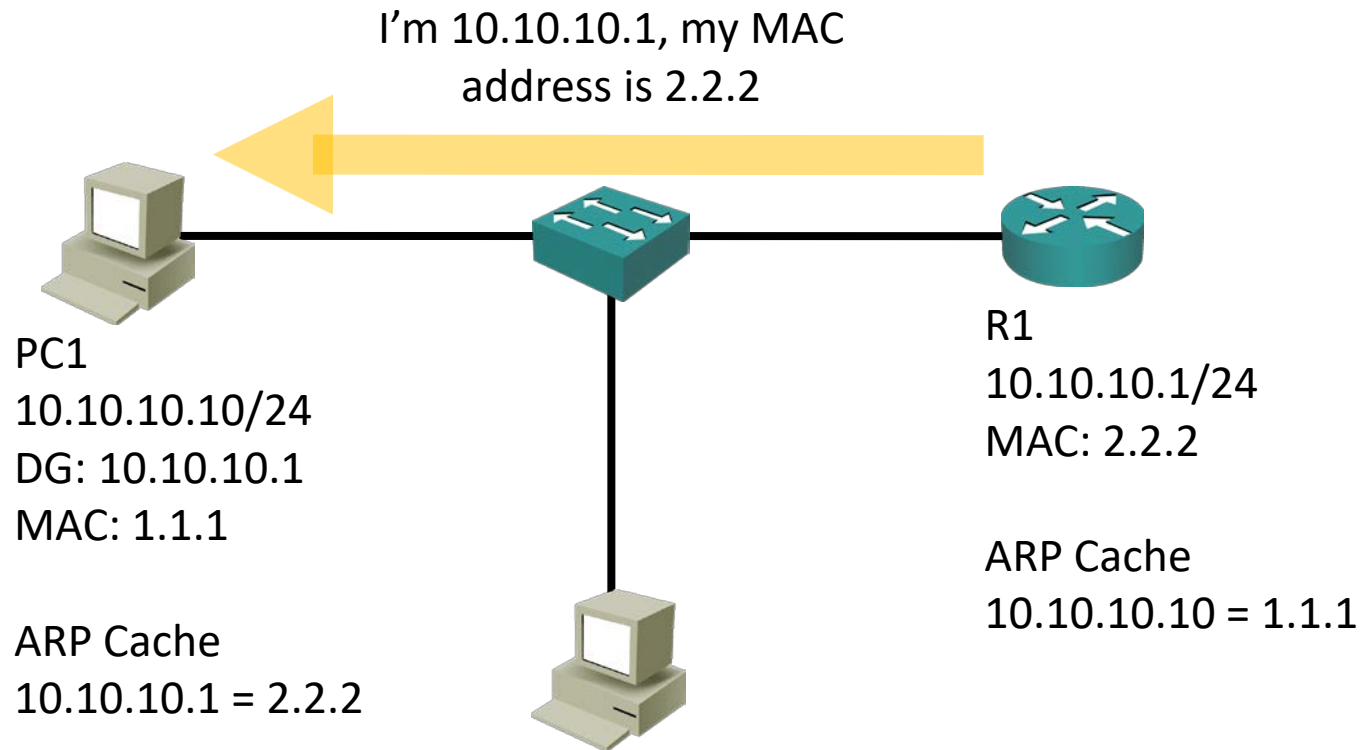


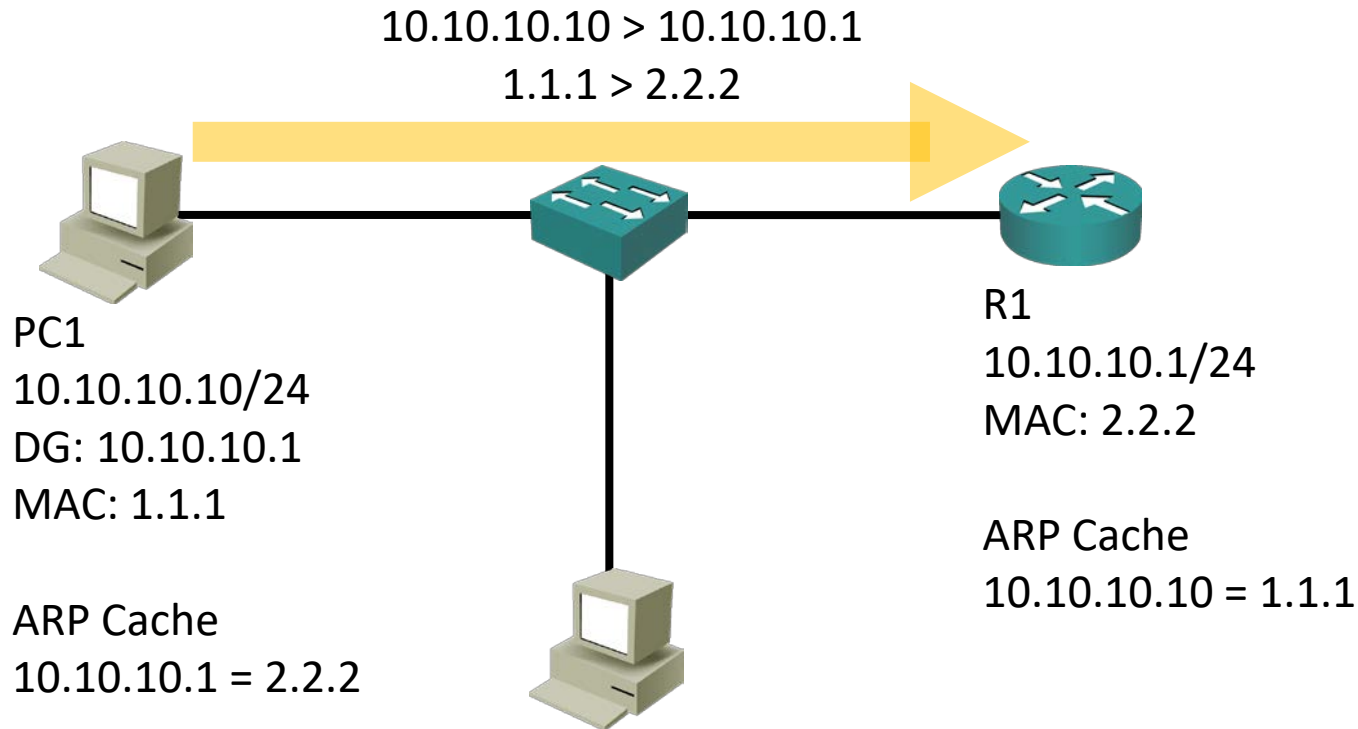
ARP Address Resolution Protocol



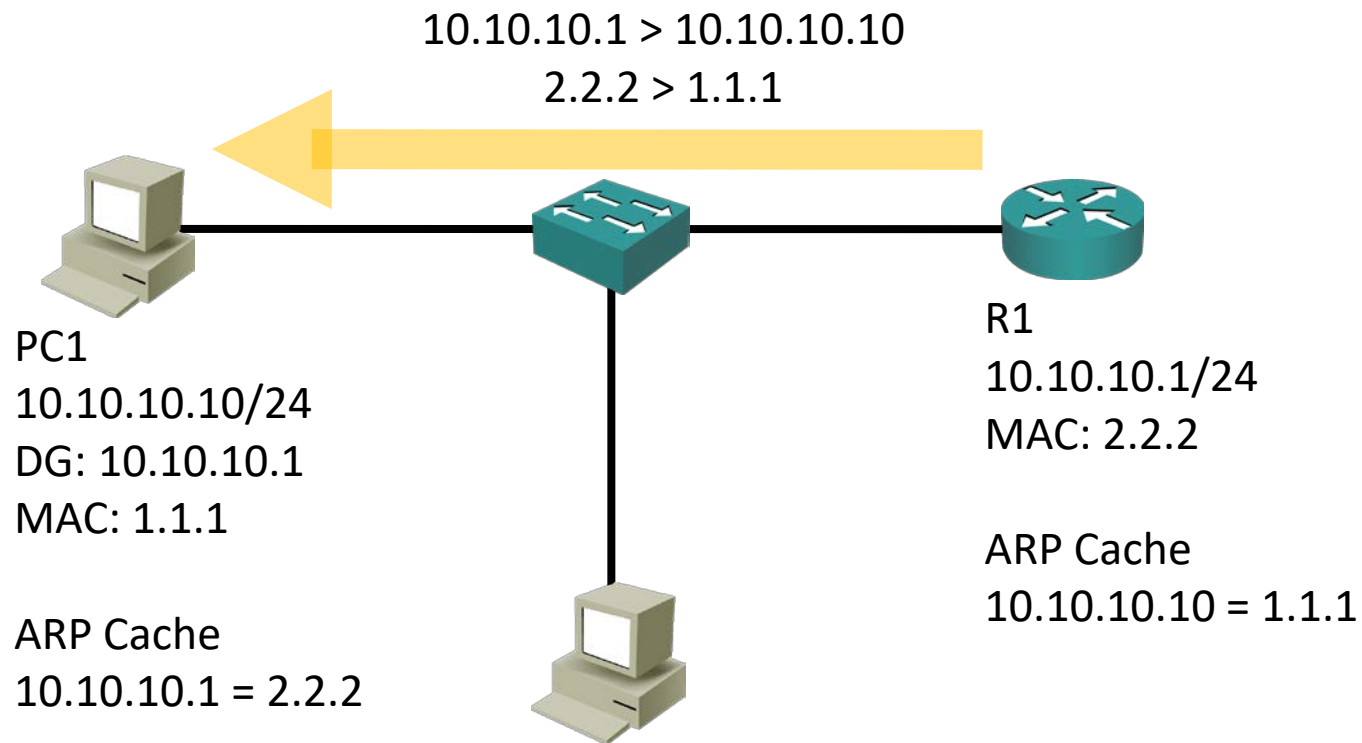
ARP Address Resolution Protocol



ARP Address Resolution Protocol



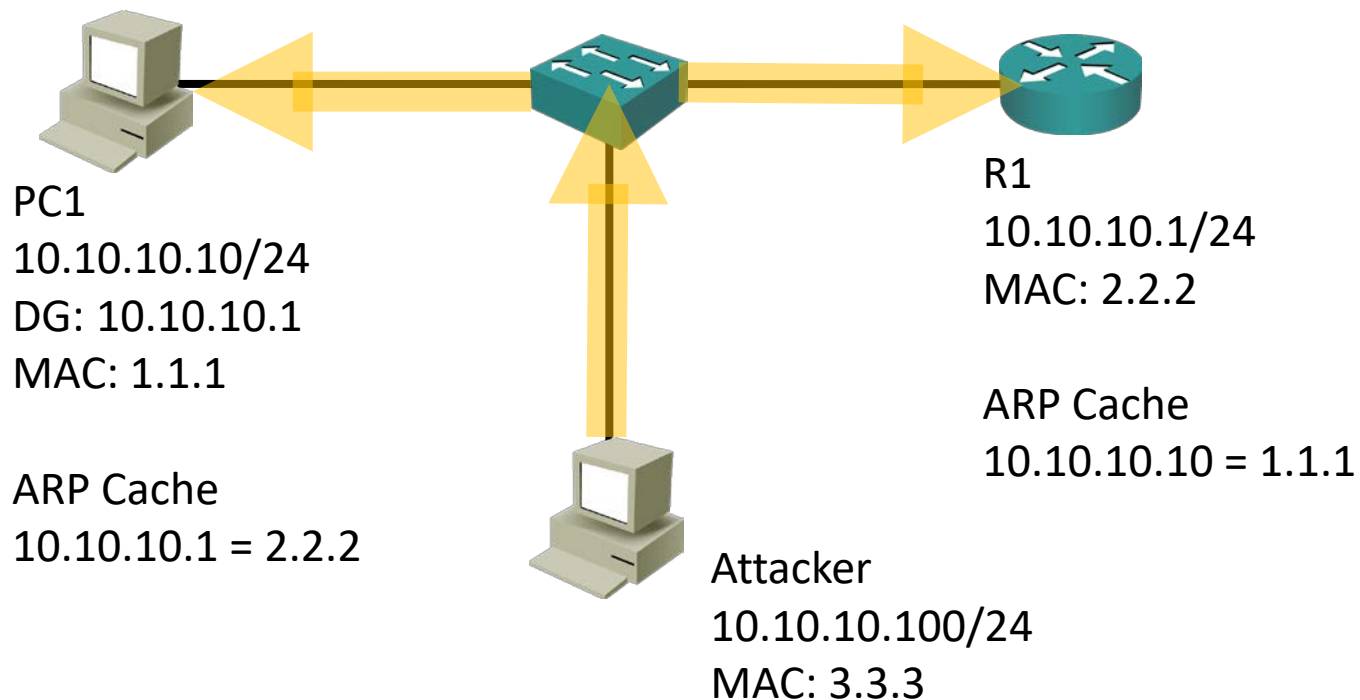
ARP Address Resolution Protocol



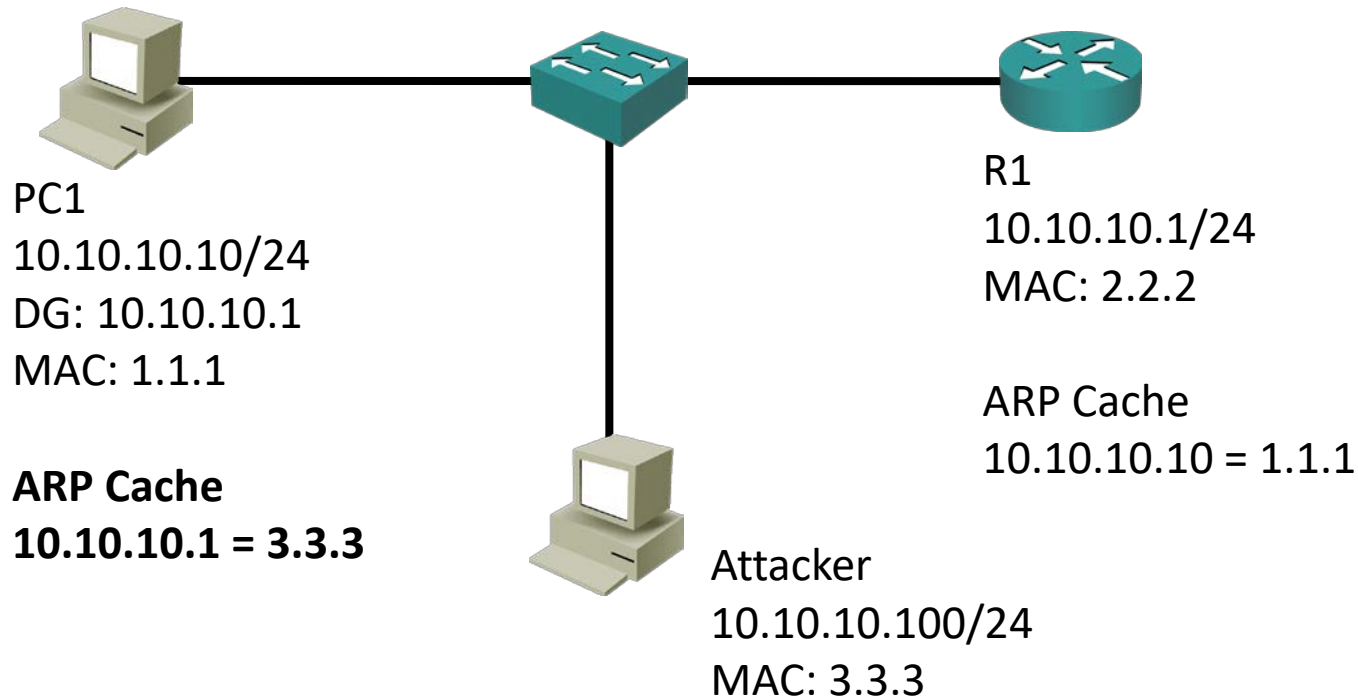
Man in the Middle ARP Spoofing



Gratuitous ARP: 'I am 10.10.10.1, my MAC address is 3.3.3'



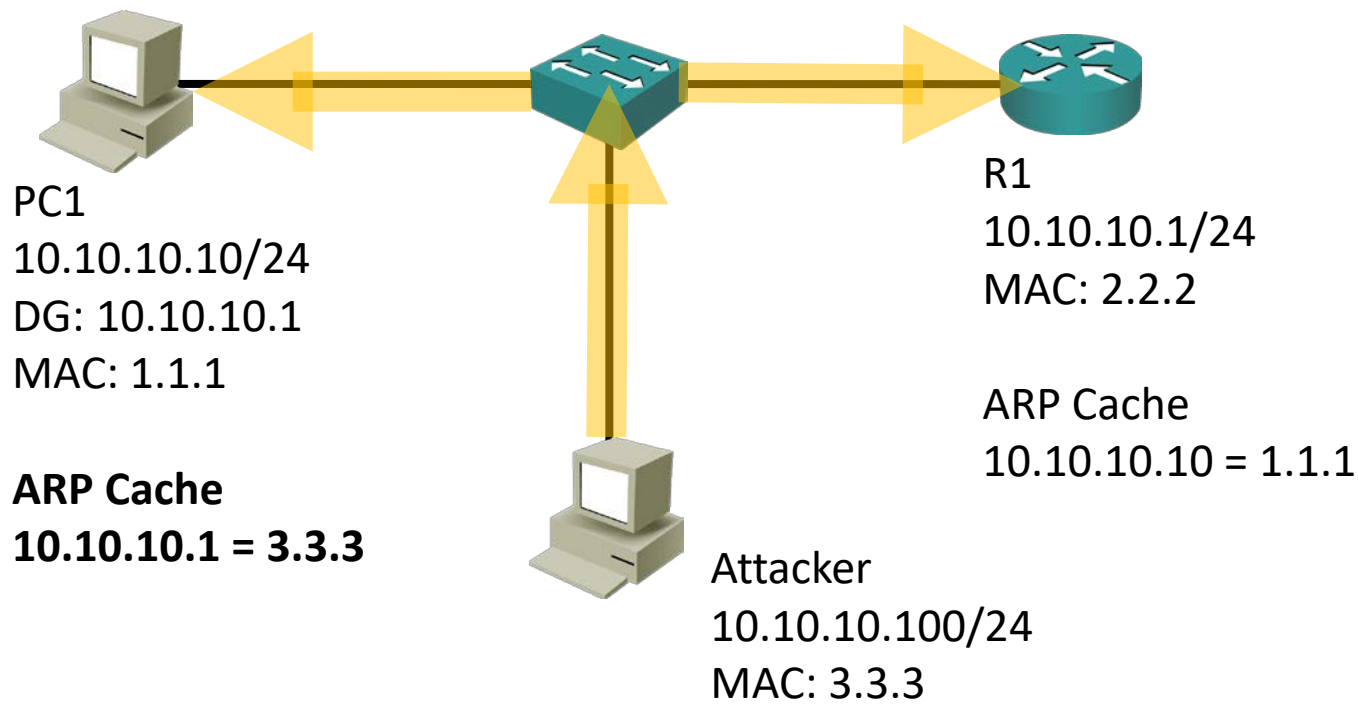
Man in the Middle ARP Spoofing



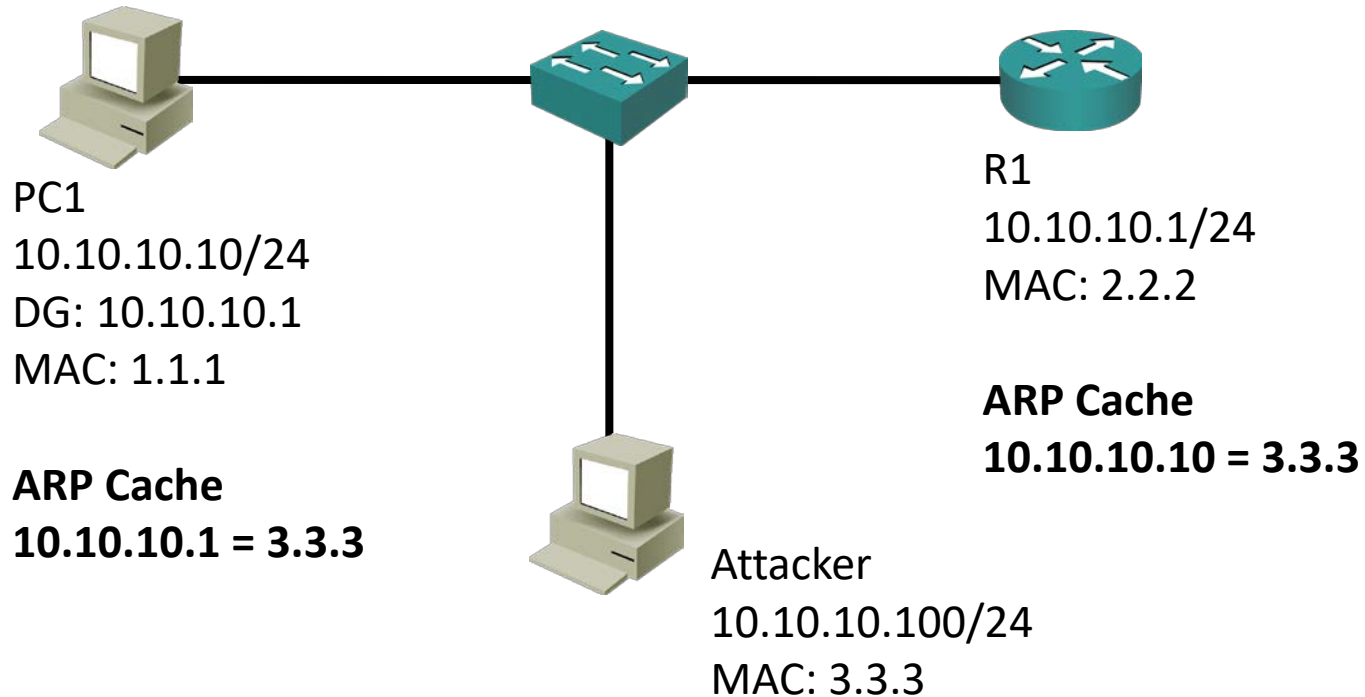
Man in the Middle ARP Spoofing



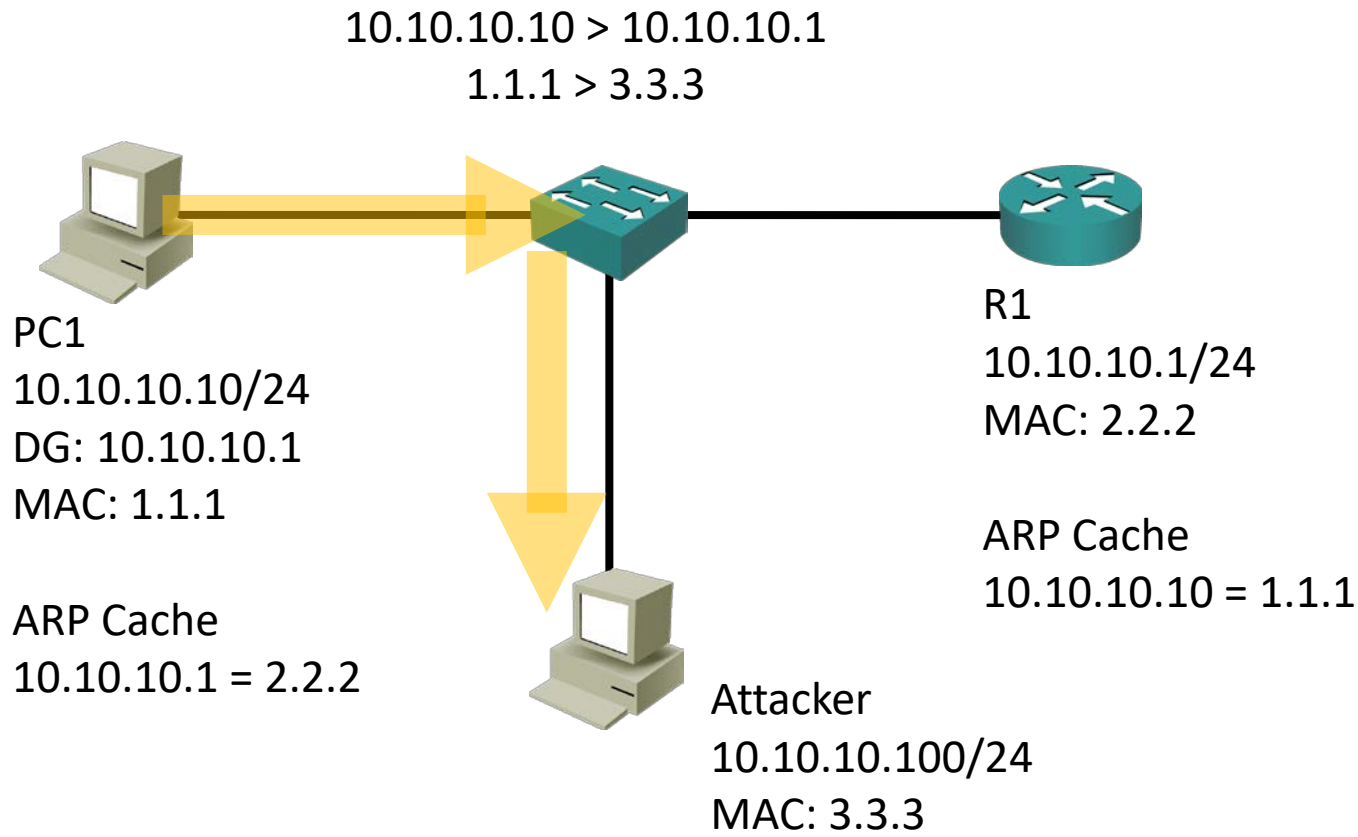
Gratuitous ARP: 'I am 10.10.10.10, my MAC address is 3.3.3'



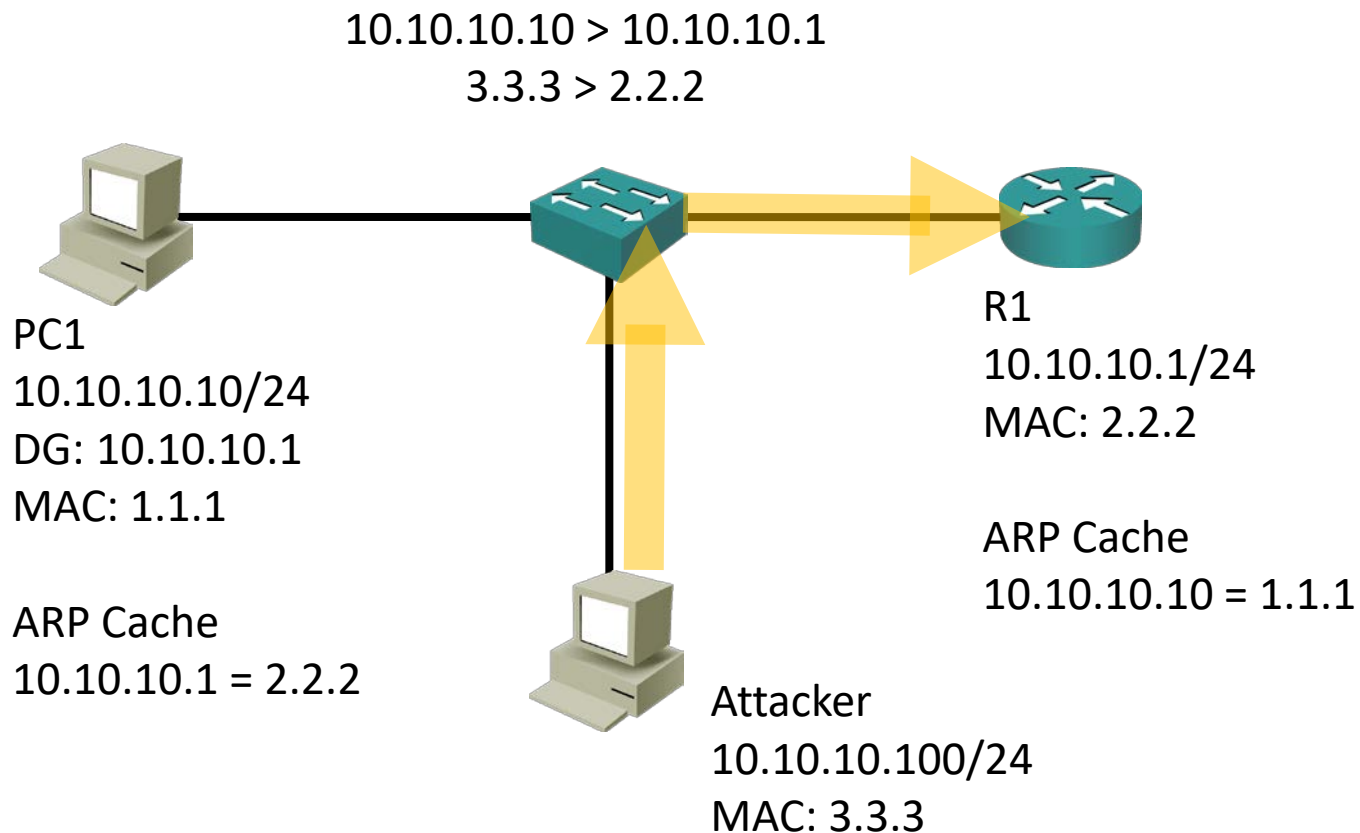
Man in the Middle ARP Spoofing



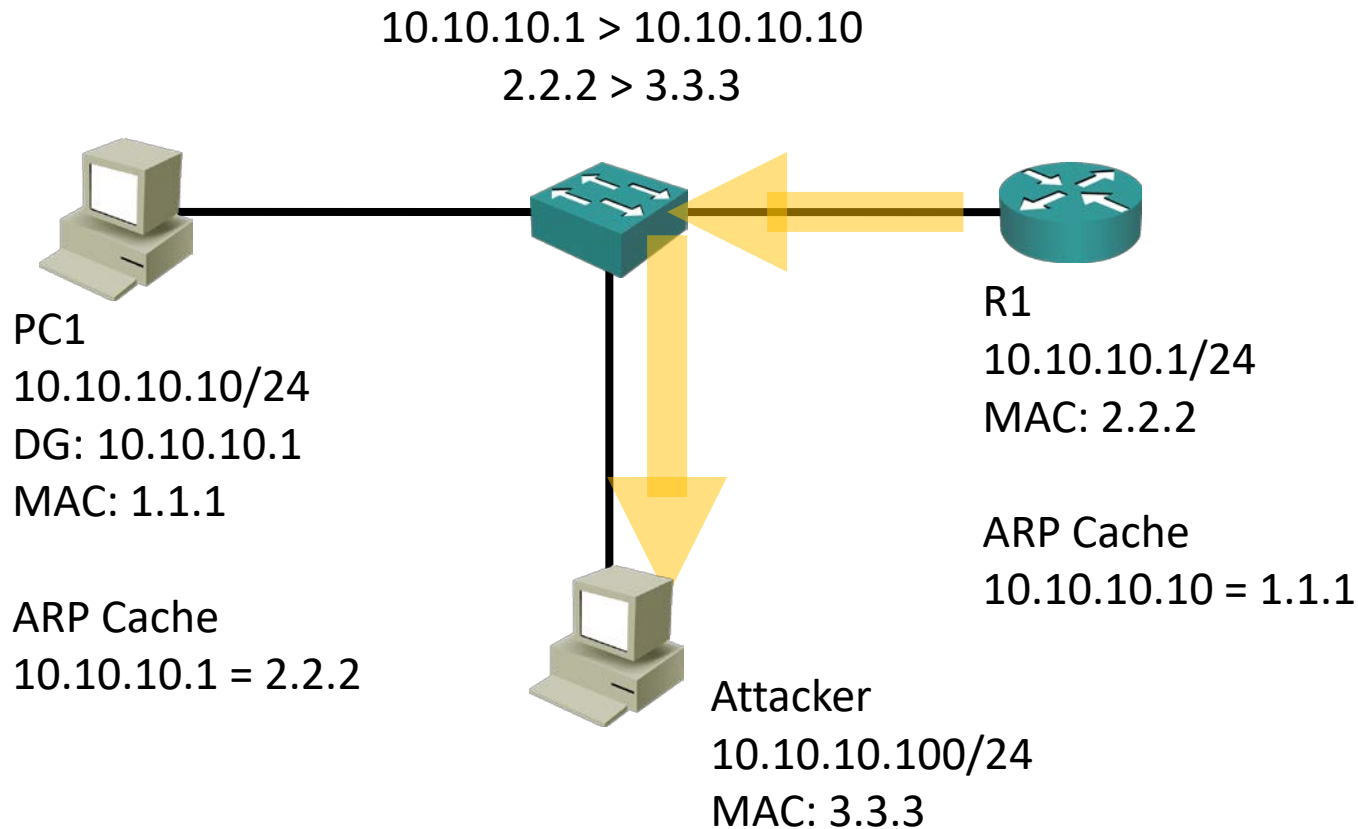
Man in the Middle ARP Spoofing



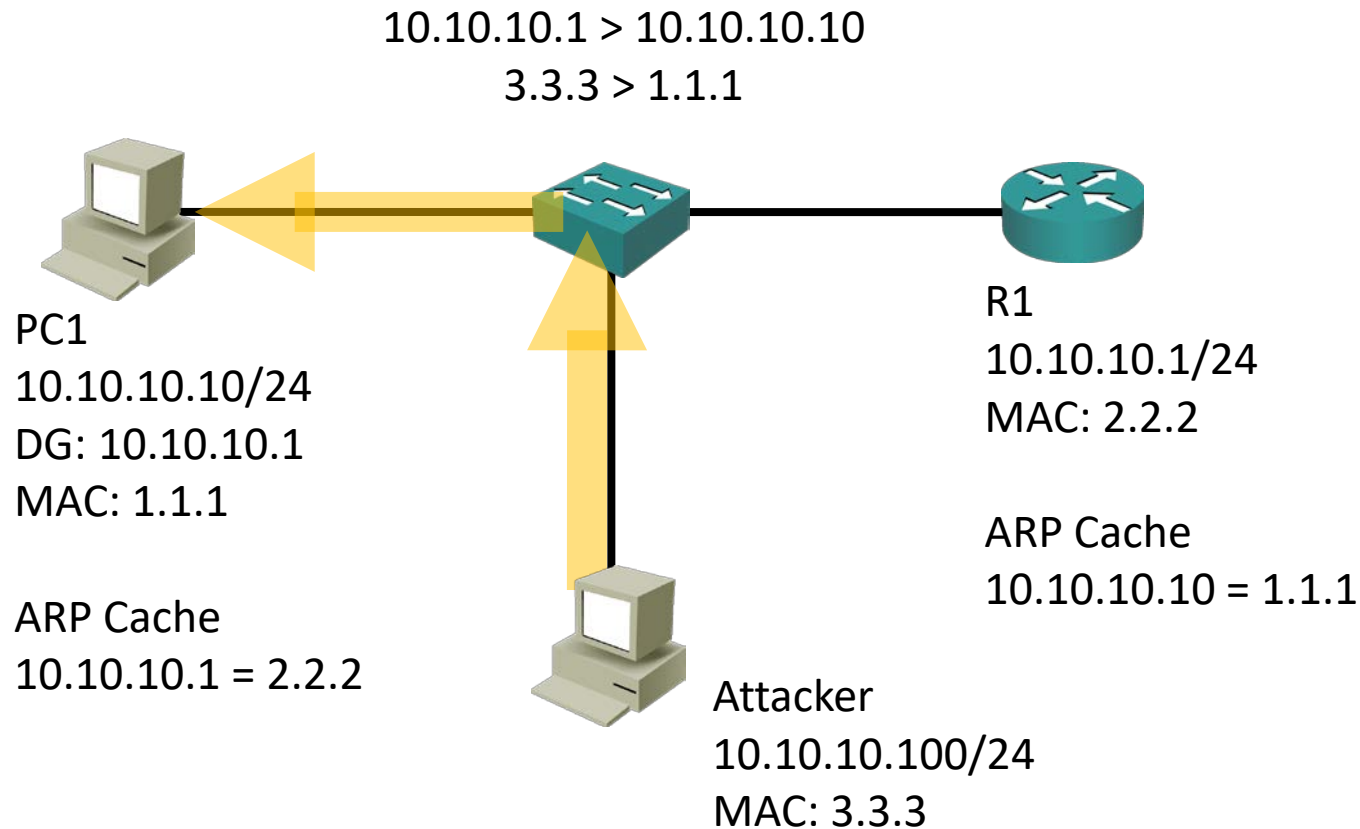
Man in the Middle ARP Spoofing



Man in the Middle ARP Spoofing



Man in the Middle ARP Spoofing

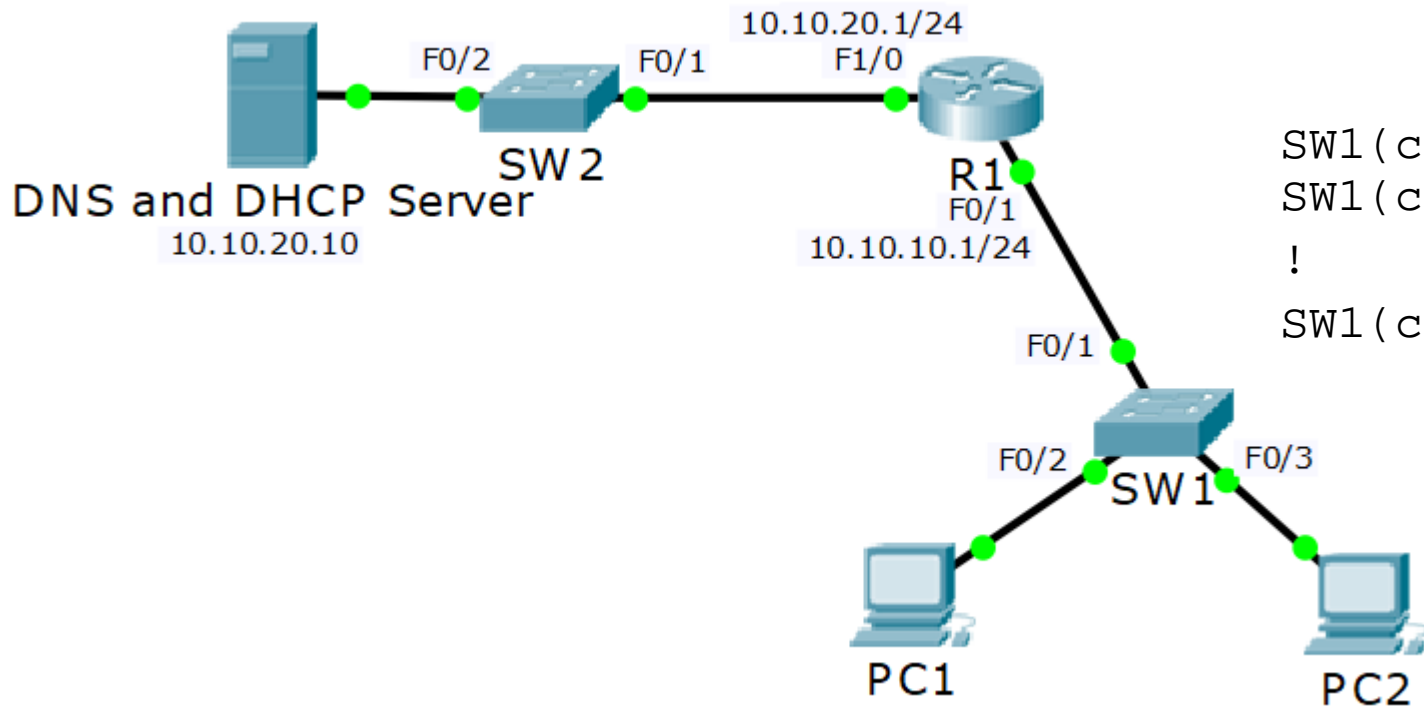


Dynamic ARP Inspection DAI



- When you enable DHCP snooping, the switch inspects the DHCP traffic and keeps track of which IP addresses were assigned to which MAC addresses
- For example, PC1 with MAC address 1.1.1 was assigned IP address 10.10.10
- If invalid ARP traffic tries to pass through the switch, for example 3.3.3 saying it is 10.10.10, the switch drops the traffic

DAI Configuration



```
SW1(config)#int f0/1
SW1(config-if)#ip arp inspection trust
!
SW1(config)#ip arp inspection vlan 10
```

DAI is not performed on trusted ports.
Enable this for non DHCP clients.

Dynamic ARP Inspection DAI



- SBH-SW2(config)#int g1/0/23
SBH-SW2(config-if)#ip arp inspection trust
- !
- SBH-SW2(config)#ip arp inspection vlan 12