



آموزش نتورک پلاس

Routing

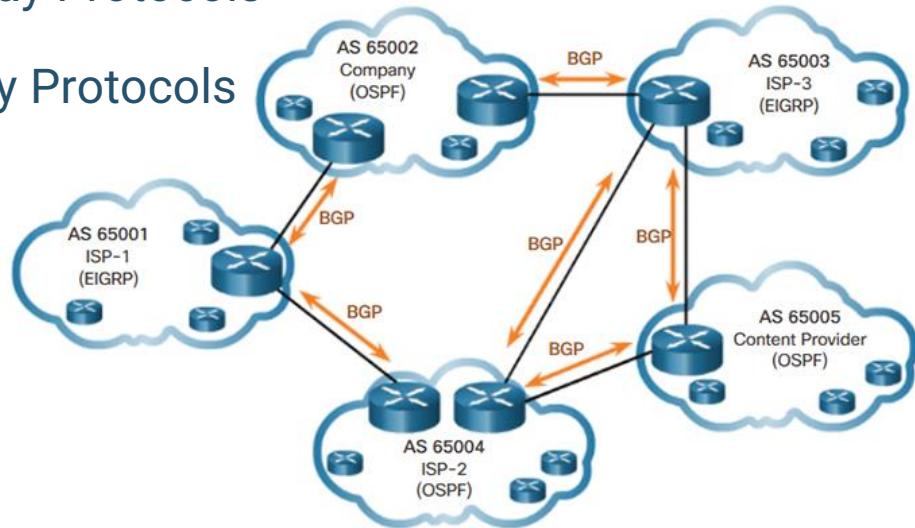
مسیریابی

Routing

- Routing table
 - Directly Connected Route
 - Static Route
 - Default Static Route
 - Dynamic Route

Dynamic routing protocols

- EGP – Exterior Gateway Protocols
- IGP – Interior Gateway Protocols



IGP – Interior Gateway Protocols

- Router Advertisement Method
 - Distance Vector (RIP)
 - Link State (OSPF, IS-IS)
 - Hybrid (EIGRP)

EGP – Exterior Gateway Protocols

- Border Gateway Protocol (BGP)

The backbone of the internet



Route Believability

| Route Source (Protocol) | Default AD |
|-------------------------------|------------|
| Connected interface | 0 |
| Static route out an interface | 0 |
| Static route to a next hop | 1 |
| EIGRP summary route | 5 |
| External BGP | 20 |
| Internal EIGRP | 90 |
| IGRP | 100 |
| OSPF | 110 |
| IS-IS | 115 |
| RIP v1 and RIP v2 | 120 |
| EGP | 140 |
| External EIGRP | 170 |
| Internal BGP | 200 |
| Unknown | 255 |

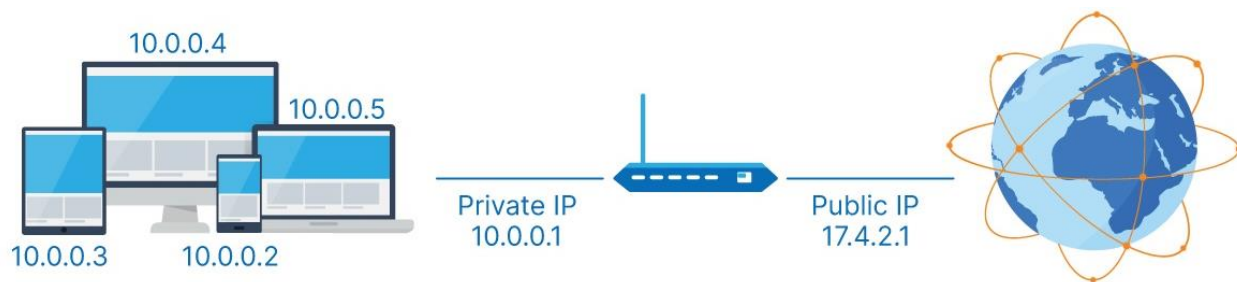
Public vs. Private IP Address

- We use Network Address Translation to convert our private IP addresses to public addresses.

- DNAT

- SNAT

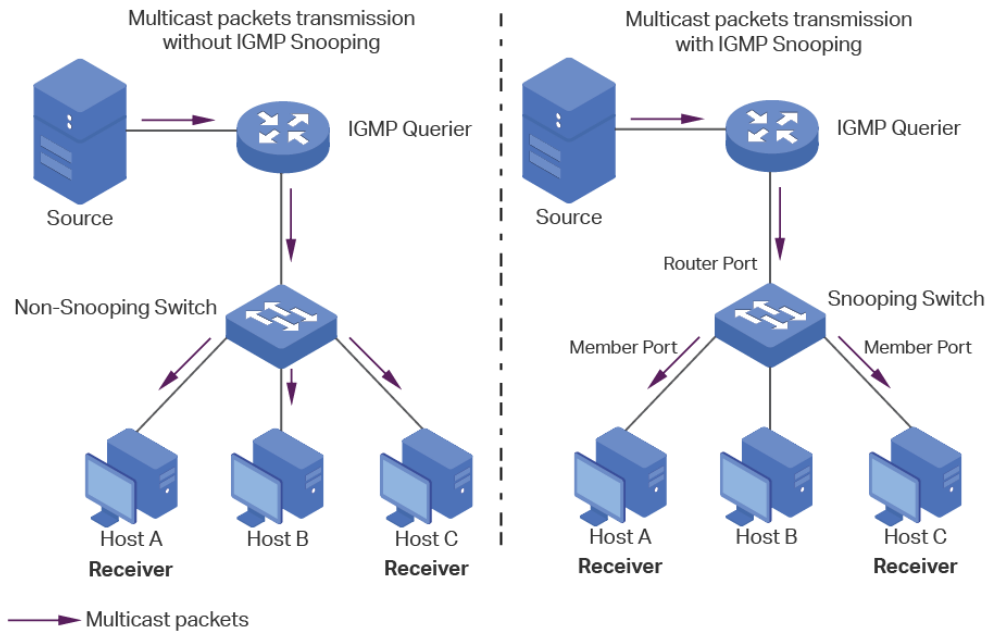
- PAT



Multicast Routing

- Internet Group Management Protocol (IGMP)
- Protocol Independent Multicast (PIM)

IGMP Snooping





عباس ولی زاده

مدرس دوره های شبکه و امنیت