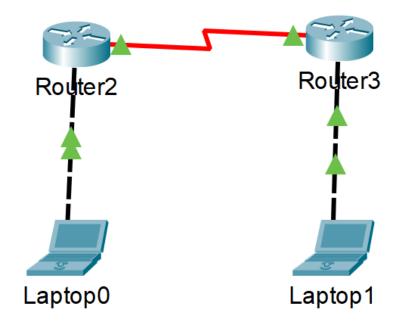
Налаштування RIP, OSPF, BGP, EIGRP

Виконав: Коробчук Артем 05_10

Налаштування RIP

Топологія мережі



Перевірка

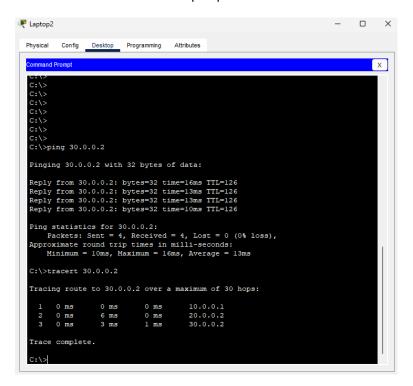
Налаштування OSPF

Топологія мережі Router2 Router3 Laptop2 Laptop3

Конфігурація роутера 2

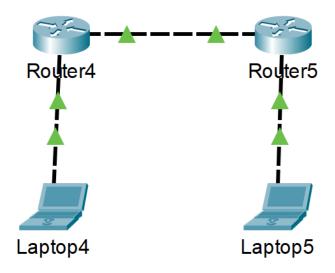
Router#show ip ospf neighbor

Перевірка



Налаштування EIGRP

Топологія мережі

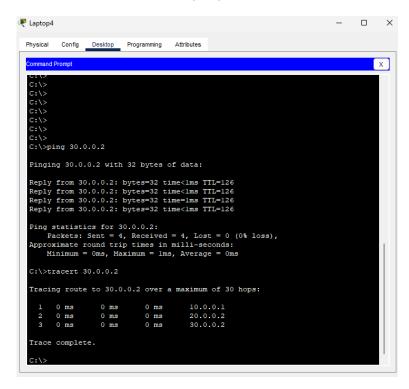


Конфігурація роутера 4

```
Router#show ip eigrp neighbors
IP-EIGRP neighbors for process 1
H Address Interface Hold Uptime SRTT RTO Q Seq
(sec) (ms) Cnt Num
0 20.0.0.2 Fal/0 14 00:00:41 40 1000 0 4

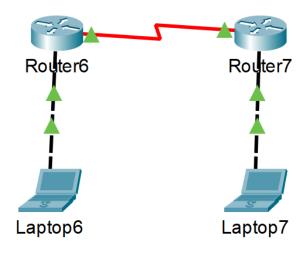
Router#show ip ro
Router#show ip route *e
Router#show ip route e
Router#show ip route eigrp
D 30.0.0.0/8 [90/30720] via 20.0.0.2, 00:00:43, FastEthernet1/0
```

Перевірка



Налаштування В GP

Топологія мережі



Конфігурація роутера 6

Router#show ip bgp summary BGP router identifier 192.168.1.254, local AS number 65001 BGP table version is 3, main routing table version 6 2 network entries using 264 bytes of memory 2 path entries using 104 bytes of memory 1/1 BGP path/bestpath attribute entries using 184 bytes of memory 2 BGP AS-PATH entries using 48 bytes of memory 0 BGP route-map cache entries using 0 bytes of memory 0 BGP filter-list cache entries using 0 bytes of memory Bitfield cache entries: current 1 (at peak 1) using 32 bytes of memory BGP using 632 total bytes of memory BGP activity 2/0 prefixes, 2/0 paths, scan interval 60 secs V AS MsgRcvd MsgSent TblVer InQ OutQ Up/Down State/ Neighbor PfxRcd 10.0.0.2 4 65002 8 7 3 0 0 00:05:12 4 Router#show ip bgp BGP table version is 3, local router ID is 192.168.1.254 Status codes: s suppressed, d damped, h history, * valid, > best, i internal. r RIB-failure, S Stale Origin codes: i - IGP, e - EGP, ? - incomplete Next Hop Network Metric LocPrf Weight Path 0 0 32768 i 0 0 0 65 *> 192.168.1.0/24 0.0.0.0 *> 192.168.2.0/24 10.0.0.2 0 65002 i

Конфігурація роутера 7

```
Router#show ip bgp summary
BGP router identifier 192.168.2.254, local AS number 65002
BGP table version is 3, main routing table version 6
2 network entries using 264 bytes of memory
2 path entries using 104 bytes of memory
1/1 BGP path/bestpath attribute entries using 184 bytes of memory
2 BGP AS-PATH entries using 48 bytes of memory
0 BGP route-map cache entries using 0 bytes of memory
0 BGP filter-list cache entries using 0 bytes of memory
Bitfield cache entries: current 1 (at peak 1) using 32 bytes of memory
BGP using 632 total bytes of memory
BGP activity 2/0 prefixes, 2/0 paths, scan interval 60 secs
                  AS MsgRcvd MsgSent TblVer InQ OutQ Up/Down State/
Neighbor
              v
PfxRcd
               4 65001
                           5
10.0.0.1
                                   4
                                           3 0 0 00:02:15
Router#show ip bgp
BGP table version is 3, local router ID is 192.168.2.254
Status codes: s suppressed, d damped, h history, * valid, > best, i -
internal.
             r RIB-failure, S Stale
Origin codes: i - IGP, e - EGP, ? - incomplete
  Network
                  Next Hop
                                      Metric LocPrf Weight Path
                                           0 0 0 65001 i
0 0 32768 i
*> 192.168.1.0/24 10.0.0.1
*> 192.168.2.0/24 0.0.0.0
```

Перевірка

