REPORT

과　　목 :	인터넷이론및실습
제출일자 :	2022. 04. 18
담당교수 :	황 성 호
학　　과 :	컴퓨터공학과
학　　번 :	201720970
이　　름 :	권대한

1.RIP version2 실습을 수행한 후, 저장한 파일을 제출하시오.

(show running-config 출력을 제출하면 됨)

<출력 결과>

<Router 1 running-config>

```
hostname R1
!
!
!
!
!
!
!
no ip cef
ip routing
!
no ipv6 cef
!
!
!
!                                    interface Vlan1
!                                     no ip address
!                                     shutdown
!                                    !
!                                    router rip
!                                     version 2
!                                     network 211.114.122.0
!                                    !
!                                    ip classless
spanning-tree mode pvst              !
!                                    ip flow-export version 9
!                                    !
!                                    !
!                                    !
!                                    !
interface GigabitEthernet1/0/1       !
 no switchport                       !
 ip address 211.114.122.9 255.255.255.248  !
 duplex auto                         !
 speed auto                          line con 0
!                                    !|
interface GigabitEthernet1/0/2       line aux 0
 no switchport                       !
 ip address 211.114.122.37 255.255.255.252  line vty 0 4
 duplex auto                          login
 speed auto                          !
!                                    !
interface GigabitEthernet1/0/3       !
 no switchport                       !
 ip address 211.114.122.33 255.255.255.252  !
 duplex auto                         end
 speed auto
!
```

<Router 2 running-config>

```
hostname R2
!
!
!
!                                          interface Vlan1
!                                           no ip address
!                                           shutdown
!                                          !
no ip cef                                  router rip
ip routing                                  version 2
!                                           network 211.114.122.0
no ipv6 cef                                !
!                                          ip classless
!                                          !
!                                          ip flow-export version 9
!                                          !
!                                          !
!                                          !
!                                          !
!                                          !
!                                          !
spanning-tree mode pvst                    !
!                                          !
!                                          !
!                                          !
!                                          !
interface GigabitEthernet1/0/1             !
 no switchport                             line con 0
 ip address 211.114.122.17 255.255.255.248 !
 duplex auto                               line aux 0
 speed auto                                !
!                                          !
interface GigabitEthernet1/0/2             line vty 0 4
 no switchport                              login
 ip address 211.114.122.34 255.255.255.252 !
 duplex auto                               !
 speed auto                                !
!                                          !
interface GigabitEthernet1/0/3             !
 no switchport                             !
 ip address 211.114.122.41 255.255.255.252 !
 duplex auto                               !
 speed auto                                end
!
```

<Router 3 running-config>

```
hostname R3
!                                          interface Vlan1
!                                           no ip address
!                                           shutdown
!                                          !
!                                          router rip
no ip cef                                   version 2
ip routing                                  network 211.114.122.0
!                                          !
no ipv6 cef                                ip classless
!                                          !
!                                          ip flow-export version 9
!                                          !
!                                          !
!                                          !
!                                          !
!                                          !
spanning-tree mode pvst                    !
!                                          !
!                                          !
!                                          !
!                                          line con 0
interface GigabitEthernet1/0/1             !
 no switchport                             line aux 0
 ip address 211.114.122.25 255.255.255.248 !
 duplex auto
 speed auto                                line vty 0 4
!                                           login
interface GigabitEthernet1/0/2             !
 no switchport                             !
 ip address 211.114.122.42 255.255.255.252 !
 duplex auto                               !
 speed auto                                !
!                                          !
interface GigabitEthernet1/0/3             !
 no switchport                             !
 ip address 211.114.122.38 255.255.255.252 !
 duplex auto                               end
 speed auto
!
```

<Router Protocol Info, Ping Test>

```
R1#show ip pr
R1#show ip protocols
Routing Protocol is "rip"
Sending updates every 30 seconds, next due in 16 seconds
Invalid after 180 seconds, hold down 180, flushed after 240
Outgoing update filter list for all interfaces is not set
Incoming update filter list for all interfaces is not set
Redistributing: rip
Default version control: send version 2, receive 2
  Interface            Send  Recv  Triggered RIP  Key-chain
  GigabitEthernet1/0/1  22
  GigabitEthernet1/0/2  22
  GigabitEthernet1/0/3  22
Automatic network summarization is in effect
Maximum path: 4
Routing for Networks:
        211.114.122.0
Passive Interface(s):
Routing Information Sources:
        Gateway         Distance      Last Update
        211.114.122.34     120        00:00:11
        211.114.122.38     120        00:00:21
Distance: (default is 120)
R1#
```

PCO   — □ ✕

| Physical | Config | Desktop | Programming | Attributes |

Command Prompt   X

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 211.114.122.18

Pinging 211.114.122.18 with 32 bytes of data:

Reply from 211.114.122.18: bytes=32 time<1ms TTL=126
Reply from 211.114.122.18: bytes=32 time<1ms TTL=126
Reply from 211.114.122.18: bytes=32 time=2ms TTL=126
Reply from 211.114.122.18: bytes=32 time<1ms TTL=126

Ping statistics for 211.114.122.18:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>ipconfig

FastEthernet0 Connection:(default port)

   Connection-specific DNS Suffix..:
   Link-local IPv6 Address.........: FE80::2D0:58FF:FE9D:2DB0
   IPv6 Address....................: ::
   IPv4 Address....................: 211.114.122.10
   Subnet Mask.....................: 255.255.255.248
   Default Gateway.................: ::
                                     211.114.122.9

Bluetooth Connection:

   Connection-specific DNS Suffix..:
   Link-local IPv6 Address.........: ::
   IPv6 Address....................: ::
   IPv4 Address....................: 0.0.0.0
   Subnet Mask.....................: 0.0.0.0
   Default Gateway.................: ::
                                     0.0.0.0

C:\>
```

☐ Top