Grade Book Detail
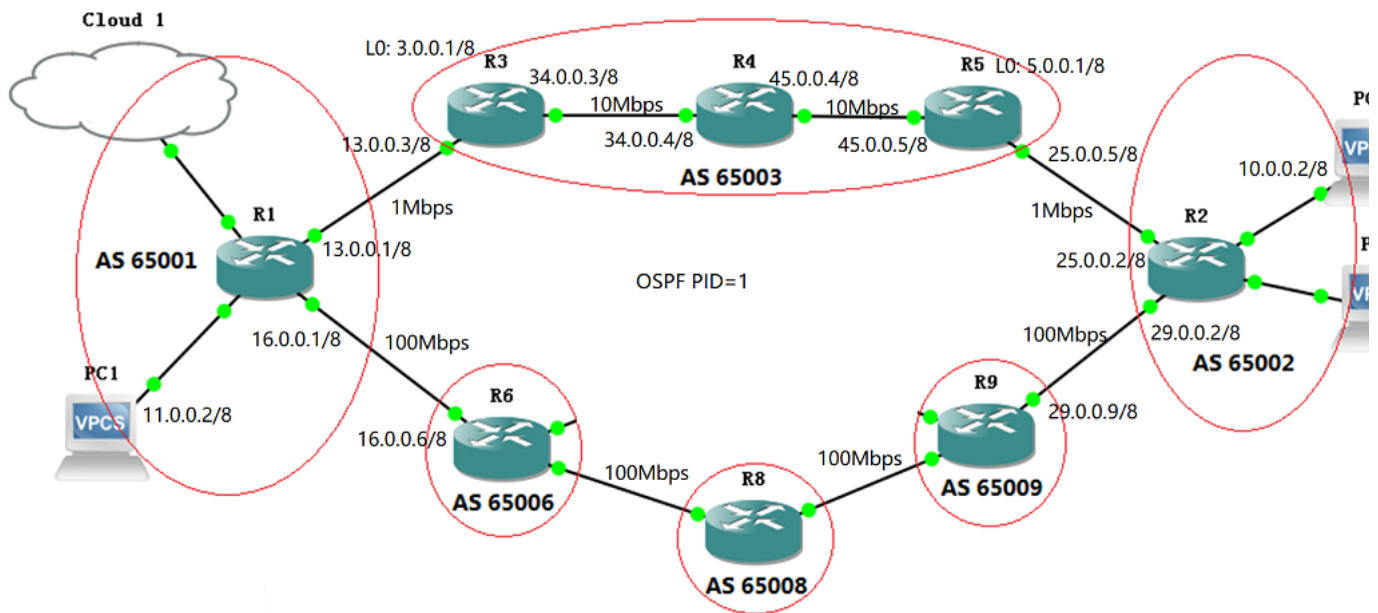
,

Quiz 8

Started: December 24, 2019, 9:55 am
Last change: December 24, 2019, 10:14 am

Showing Scored Attempts | Show Last Attempts | Show Review Attempts

[Hide Perfect Score Questions] [Hide Not Answered Questions]

Refer the network topology. All routers use BGP as inter-AS routing protocol, use OSPF as inner-AS routing protocol (use process id 1).

Part 1/5. Write commands to enable BGP for all physical interfaces in router R3

1. R3(Config)# router bgp 65003 _____

   Enable routing on networks:

2. R3(Config-router)# network 13.0.0.0 mask 255.255.0.0 _____ (for R1-R3 link)
3. R3(Config-router)# network 34.0.0.0 mask 255.255.0.0 _____ (for R3-R4 link)

   set R1 as a neighbor:

4. R3(Config-router)# neighbor 13.0.0.1 remote-as 65001 _____

   set R5 as a neighbor (using loopback address):

5. R3(Config-router)# neighbor 5.0.0.1 remote-as 65003 _____

   use loopback as update source:

6. R3(Config-router)# neighbor 5.0.0.1 update-source loopback 0 _____

[Show Answer] router bgp 65003
[Show Answer] network 13.0.0.0 mask 255.0.0.0
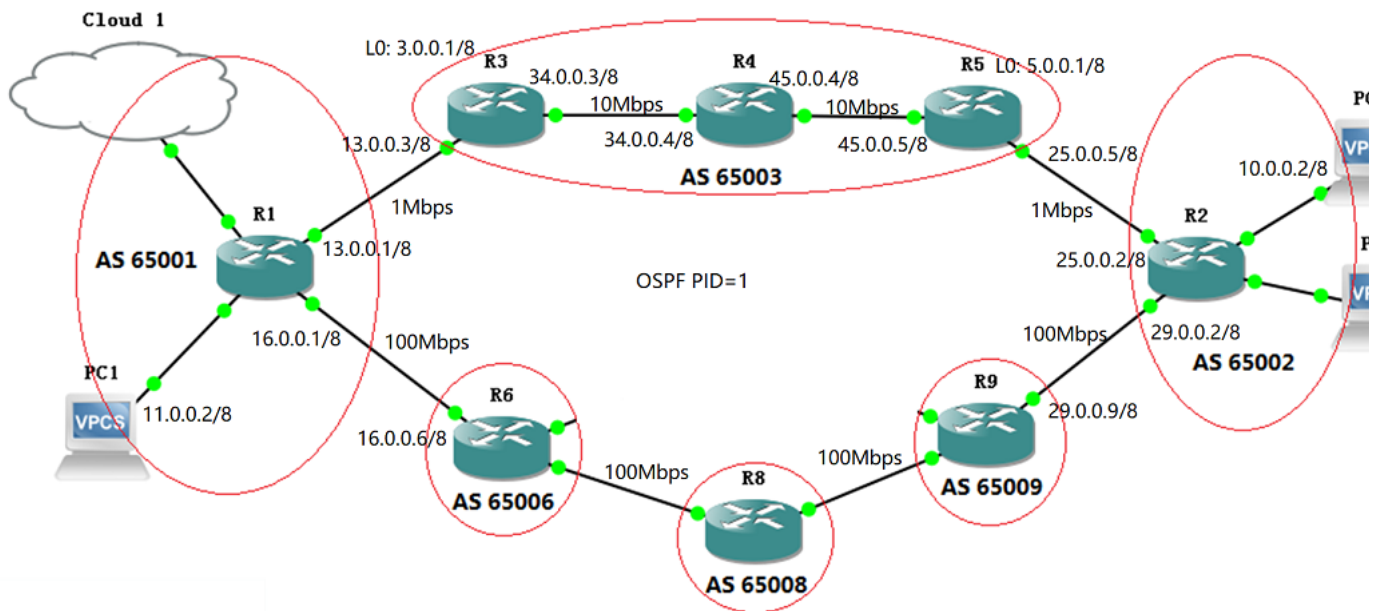[Show Answer] network 34.0.0.0 mask 255.0.0.0
[Show Answer] neighbor 13.0.0.1 remote-as 65001
[Show Answer] neighbor 5.0.0.1 remote-as 65003
[Show Answer] neighbor 5.0.0.1 update-source loopback 0

Question 1: 16 (parts: 4, 0, 0, 4, 4, 4) out of 24 in 1 attempt(s)

Refer the network topology. All routers use BGP as inter-AS routing protocol, use OSPF as inner-AS routing protocol (use process id 1).

Part 2/5. Write commands to set R3 as the neighbor of R5 (using loopback address)

1. R5(Config)# router bgp 65003
2. R5(Config-router)# neighbor 5.0.0.1 remote-as 65003   (set neightbor)
3. R5(Config-router)# neighbor 5.0.0.1 update-source loopback 0   (set update source)

Show Answer	router bgp 65003
Show Answer	neighbor 3.0.0.1 remote-as 65003
Show Answer	neighbor 3.0.0.1 update-source loopback 0 or neighbor 3.0.0.1 update-source L0

Question 2: 4 (parts: 4, 0, 0) out of 12 in 1 attempt(s)

Refer the network topology. All routers use BGP as inter-AS routing protocol, use OSPF as inner-AS routing protocol (use process id 1).

Part 3/5. To let routers in AS 65003 has route for outside networks, restribution should be configured in R3:

1. R3(Config)# router bgp 65003
2. R3(Config-router)# neighbor 13.0.0.1 remote-as 65001

| Show Answer | router ospf 1 |
| Show Answer | redistribute bgp 65003 subnets |

Question 3: 0 (parts: 0, 0) out of 8 in 1 attempt(s)

Refer the network topology. All routers use BGP as inter-AS routing protocol, use OSPF as inner-AS routing protocol (use process id 1).

Cloud 1

L0: 3.0.0.1/8
R3   34.0.0.3/8   R4   45.0.0.4/8   R5   L0: 5.0.0.1/8
          10Mbps   10Mbps
13.0.0.3/8   34.0.0.4/8   45.0.0.5/8   25.0.0.5/8   10.0.0.2/8   VP
                        AS 65003
R1   P
1Mbps   1Mbps   R2
AS 65001   13.0.0.1/8   VP
                          OSPF PID=1   25.0.0.2/8
16.0.0.1/8   100Mbps   100Mbps   29.0.0.2/8
PC1   AS 65002
           R6   R9
VPCS   11.0.0.2/8   29.0.0.9/8
16.0.0.6/8
                    100Mbps   R8   100Mbps
                                                      AS 65009
           AS 65006
                              AS 65008

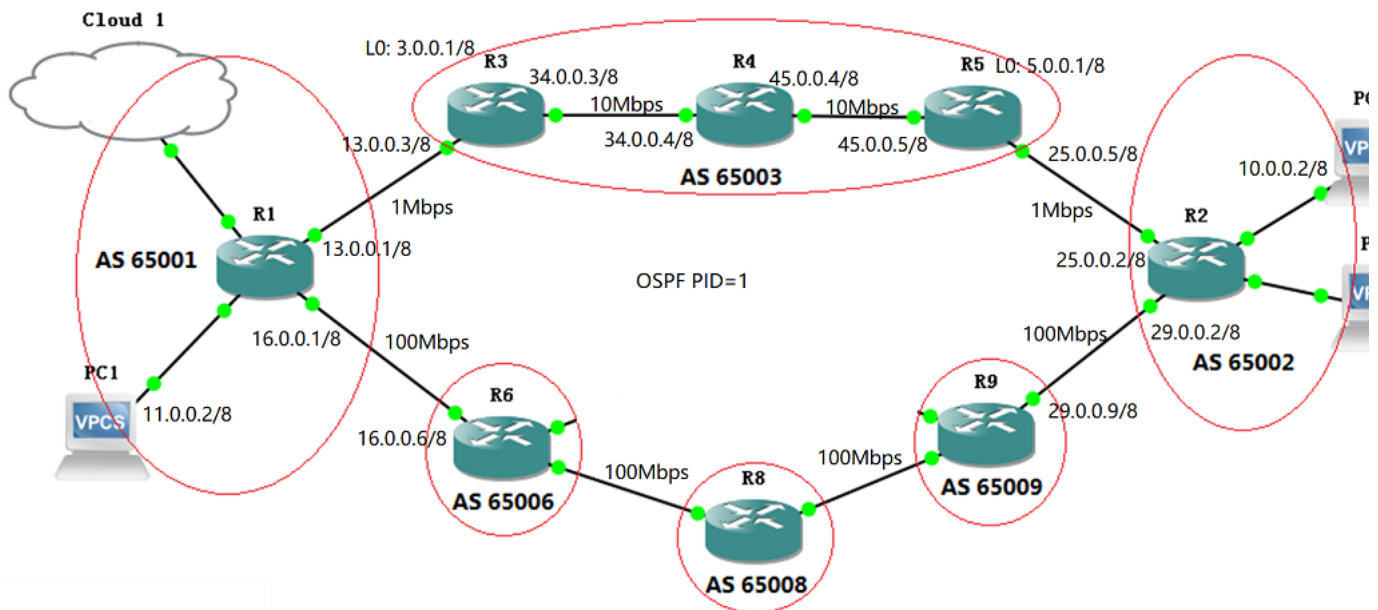**Part 4/5. To let router R2 has route for all inner networks in AS 65003, restribution should be configured in R5:**

1. R5(Config)# router ospf 46
2. R5(Config-router)# redistribute bgp 65003 subnets

Show Answer | router bgp 65003
Show Answer | redistribute ospf 1

Question 4: 0 (parts: 0, 0) out of 8 in 1 attempt(s)

Refer the network topology. All routers use BGP as inter-AS routing protocol, use OSPF as inner-AS routing protocol (use process id 1).

Cloud 1

L0: 3.0.0.1/8
R3   34.0.0.3/8   R4   45.0.0.4/8   R5   L0: 5.0.0.1/8
          10Mbps   10Mbps
13.0.0.3/8   34.0.0.4/8   45.0.0.5/8   25.0.0.5/8   10.0.0.2/8   VP
                        AS 65003
R1   P
1Mbps   1Mbps   R2
AS 65001   13.0.0.1/8   VP
                          OSPF PID=1   25.0.0.2/8
16.0.0.1/8   100Mbps   100Mbps   29.0.0.2/8
PC1   AS 65002
           R6   R9
VPCS   11.0.0.2/8   29.0.0.9/8
16.0.0.6/8
                    100Mbps   R8   100Mbps
                                                      AS 65009
           AS 65006
                              AS 65008

Part 5/5. Assume all routers run BGP correctly, and all parameters use default value.

1. What is the next hop for 10.0.0.0/8 in router R1? Write IP address: 13.0.0.1/8
2. What is the next hop for 11.0.0.0/8 in router R2? Write IP address: 25.0.0.2/8

Show Answer | 13.0.0.3
Show Answer | 25.0.0.5

Question 5: 0 (parts: 0, 0) out of 8 in 1 attempt(s)

Total: 20/60

Return to GradeBook