

Grade Book Detail

Quiz 7

Started: December 17, 2019, 9:50 am

Last change: December 17, 2019, 10:10 am

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Part 1/4. Write commands to enable OSPF for all interfaces in router D (use process id 1)

1. RouterD(Config)# router ospf 46
Enable routing on networks:
2. RouterD(Config-router)# network 20.3.0.0 0.0.255.255 area 1 (for E1/1)
3. RouterD(Config-router)# network 20.1.0.0 0.0.255.255 area 0 (for Gi0/0)
4. RouterD(Config-router)# network 20.4.0.0 0.0.255.255 area 0 (for E1/0)

Show Answer router ospf 1

Show Answer network 20.3.0.0 0.0.255.255 area 1

Show Answer network 20.1.0.0 0.0.255.255 area 0

Show Answer network 20.4.0.0 0.0.255.255 area 0

Question 1: 15 (parts: 0, 5, 5, 5) out of 20 in 1 attempt(s)

Part 2/4. What's the RID of router G? 7

Show Answer 11.7.0.1

Question 2: 0 out of 5 in 1 attempt(s)

Part 3/4. In order to exchange link state between area 3 and area 0, which routers should be configured to set up a virtual link? Write commands to setup a virtual link in the two routers (use process id 1):

for the router in area 0:

☒ Router E ☐ Router G ☐ Router H ☐ Router K

1. Router(Config)# router ospf 46

2. Router(Config-router)# network 20.8.0.0 area 3

for the router in area 3:

☐ Router E ☐ Router G ☒ Router H ☐ Router K

3. Router(Config)# router ospf 46

4. Router(Config-router)# network 20.6.0.0 area 0

Show Answer

Router E

Show Answer

router ospf 1

Show Answer

area 2 virtual-link 11.8.0.1

Show Answer

Router H

Show Answer

router ospf 1

Show Answer

area 2 virtual-link 11.5.0.1

Question 3: 10 (parts: 5, 0, 0, 5, 0, 0) out of 30 in 1 attempt(s)

Part 4/4. Assume all routers run OSPF correctly, and all parameters use default value.

1. What is the next hop for 10.1.0.0/16 in router C? Write IP address:

1

2. What is the minimum cost from router F to 10.2.0.0/16?

3

3. What is the next hop for 20.6.0.0/16 in router D? Write IP address:

4

Show Answer

20.2.0.1

Show Answer

18

Show Answer

20.1.0.1

Question 4: 0 (parts: 0, 0, 0) out of 15 in 1 attempt(s)

Total: 25/70

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