

Results

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Points possible

11:16

Time for this attempt

Your Answers:

1

The SDN controller interacts with network-control applications through its _____.

☐ main terminal console

☐ open-flow switches



☒ northbound interface

☐ southbound interface

2

OpenDaylight is a _____.

☐ intrusion detection controller

☐ firewall

☐ packet switch



☒ SDN controller

3

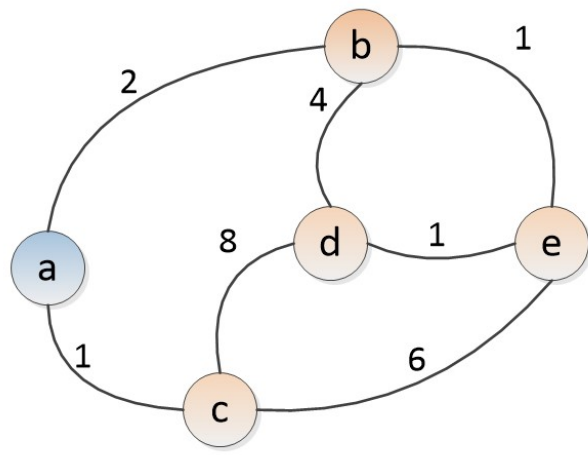
_____ is used by hosts and routers to communicate network level information.



ICMP

- ☐ QUIC
- ☐ HTTP
- ☐ MIME

4



Given the network diagram above, run Dijkstra's routing algorithm for NODE a and select the corresponding final values below. You must use this convention while executing the Dijkstra's routing algorithm steps: if after adding a new node to N' results in a new path having the same cost as the existing cost, then use the new path.

D(e),p(e)	✗	1,b
packet with destination d, forward to Link	✓	ab
D(c),p(c)	✓	1,a
D(b),p(b)	✓	2,a
packet with destination b, forward to Link	✓	ab
	✗	4,b

D(d),p(d)

packet with destination c, forward to Link



ac

packet with destination e, forward to Link



ab

5

SDN architecture features _____.

- ☐ flow-based forwarding
- ☐ separation of data plane and control plane



☒ all of these

- ☐ programmable network

6

OpenFlow protocol _____.

- ☐ operates between SDN controller and SDN switches
- ☐ implements per-router control plane routing algorithm
- ☐ is TCP mechanism for flow control



☐ all of these

7

Network management applications make use of _____ to monitor network devices.

- ☐ HTTP
- ☐ SMTP



☒ SNMP

☐ POP

8

In per-router control plane scheme, routing algorithm runs in _____.

☐ all of these

☐ remote controller



each and every router

☐ every hosts