JN0-647^Q&As

Enterprise Routing and Switching Exam

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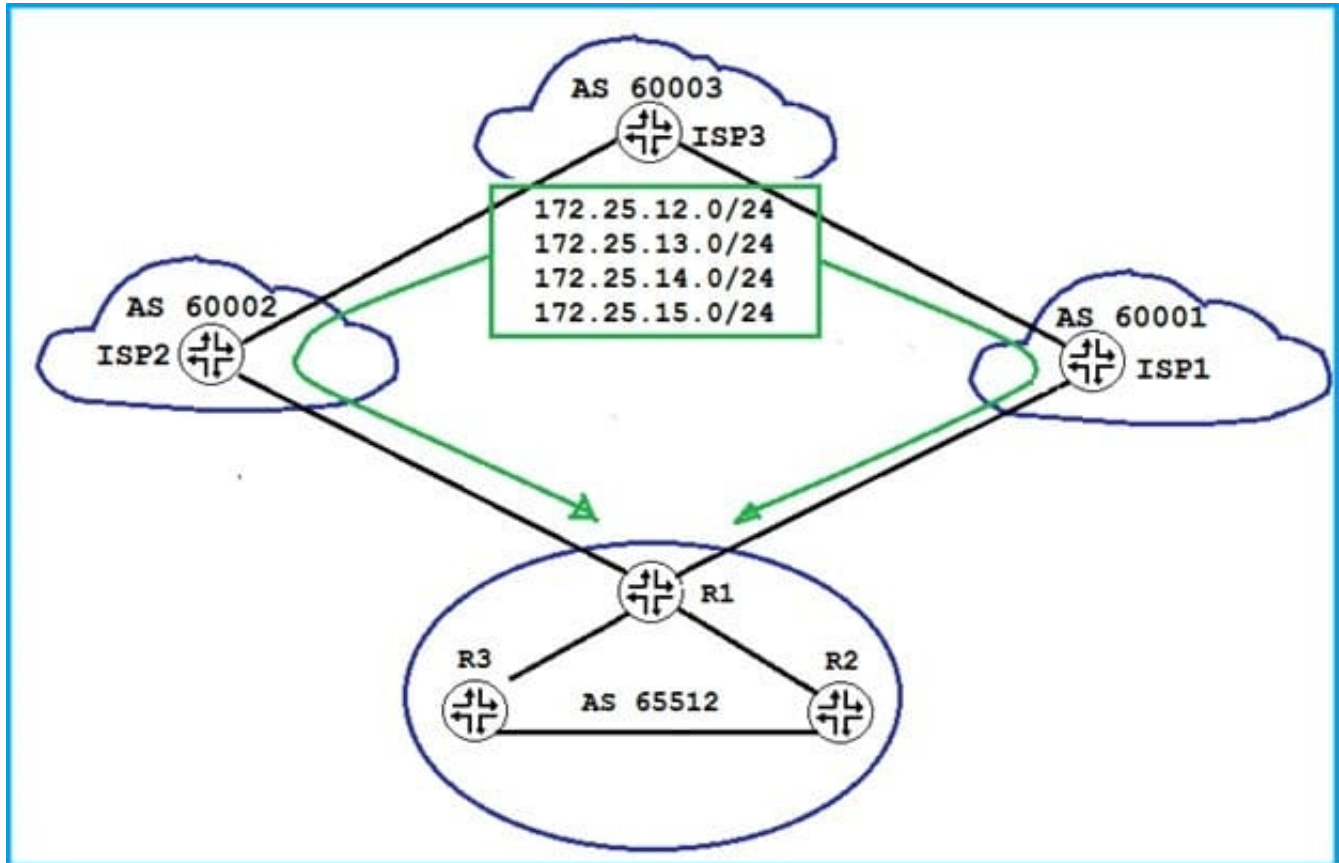Following Questions and Answers are all new published by Juniper Official Exam Center

QUESTION 1

Click the Exhibit button.

Referring to the exhibit, you have EBGP peerings with both ISP1 and ISP2. You are receiving the 172.25.12.0/24, 172.25.13.0/24, 172.25.14.0/24, and 172.25.15.0/24 routes through both neighbors. You must ensure that traffic to these prefixes are load balanced through both service providers. You have configured a load-balancing policy and have applied it to the forwarding table, but the prefixes are not being load balanced.

What is required to accomplish this task?

A. The multihop feature should be enabled between both neighbors.

B. The multipath multiple-as feature should be used between both neighbors.

C. The as-override feature should be used between both neighbors.

D. The include-mp-next-hop feature should be used between both neighbors.

Correct Answer: B

QUESTION 2

Click the Exhibit button.
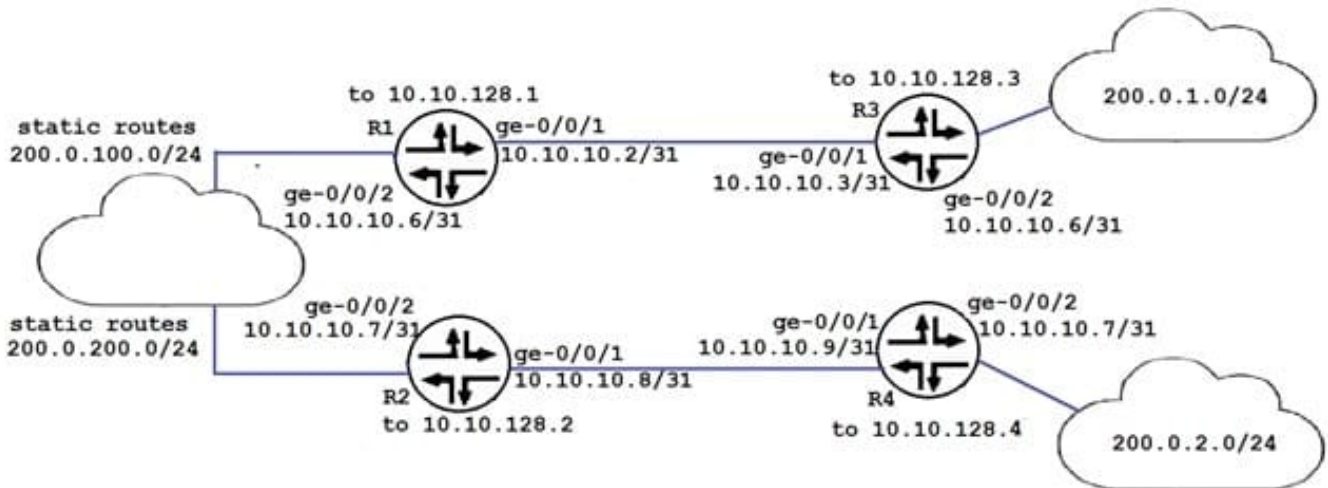
```
user@R3# show policy-options policy-statement rip-exp
term 1 {
        from protocol direct
        then accept;
}
term 2 {
        from {
            protocol static;
        }
        then {
            metric 3;
            accept;
        }
}
```

```
user@R3 show protocols rip
send multicast
receive version-2;
group rip {
        export rip-exp;
        neighbor ge-0/0/1;
        neighbor ge-0/0/2;
```

```
user@R3 show route protocol rip
inet.0: 10 destinations, 10 routes (10 active, 0 holddown, 0 hidden) + =
Active Route, - = Last Active, * = Both
10.10.128.2/32 192.168.2.0/30 200.0.2.0/24 224.0.0.9/32
*[RIP/100] 00:09:54, metric 2, tag 0 > to 10.10.129.2 via ge-0/0/0.1121
*[RIP/100] 00:09:54, metric 2, tag 0 > to 10.10.129.2 via ge-0/0/0.1121
*[RIP/100] 00:09:54, metric 4, tag 0 > to 10.10.129.2 via ge-0/0/0.1121
*[RIP/100] 00:10:57, metric 1 MultiRecv
```

The ping command shows that connectivity of the 200.0.1/24 network to the 200.0.200.0/24 network exists. You notice that all the ping test results from various devices on 200.0.1.0/24 follow the same path even through equal cost paths exist to the 200.0.200.0/24 network.

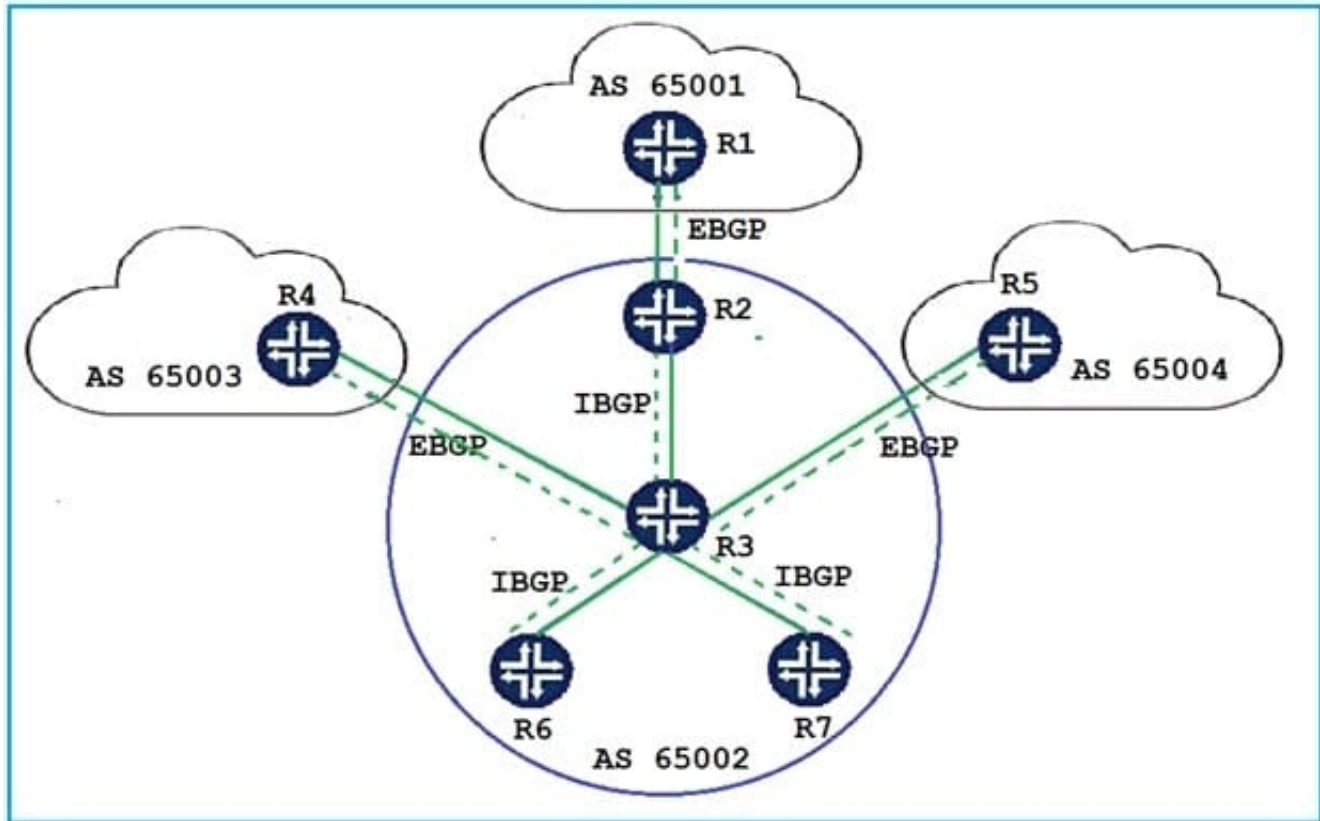Referring to the exhibit, what is happening?

A. Load balancing needs to be enabled for equal cost pathing to work.

B. The rip-exp policy needs to be modified to advertise RIP routes

C. The RIP group must include the preference statement.

D. RIPv2 does not support load balancing static routes.

Correct Answer: A

QUESTION 3

Click the Exhibit button.

Router R1, in peer AS 65001, advertises routes to R2 using EBGP. R2 advertises the routes learned from R1 to R3 using IBGP.

Referring to the exhibit, to which routers will R3 advertise the BGP routes received from R2?

A. R6, R7

B. R4, R5, R6, R7

C. R4, R5

D. R2, R4, R5, R6, R7

Correct Answer: C

QUESTION 4

A customer needs to pass Layer 2 protocols between sites.

Which protocol or standard would be required to implement connectivity on EX4300, EX3400, and EX2300 devices?

A. Q-in-Q

B. IGMP

C. VPLS

D. OSPF

Correct Answer: A

QUESTION 5

Click the Exhibit button.

```
user@router# show policy-options
policy-statement damp {
        term 1 {
                from {
                        route-filter 10.128.0.0/9 exact damping dry;
                        route-filter 0.0.0.0/0 prefix-length-range /0-/8
damping timid;
                        route-filter 0.0.0.0/0 prefix-length-range /17-/32
damping aggressive;
                        }
            }
    }
policy-statement send-direct {
        term 1 {
                from protocol direct;
                then accept;
        }
    }
damping aggressive {
        half-life 30;
          suppress 2500;
    }
damping timid {
        half-life 5;
    }
damping dry {
        disable;
    }
```

A customer is concerned that the route damping policy on routes with prefixes greater than/17 is allowing too many flaps to occur. The customer does not want to change the default timer.

Referring to the exhibit, which two actions would allow fewer flaps per route? (Choose two.)
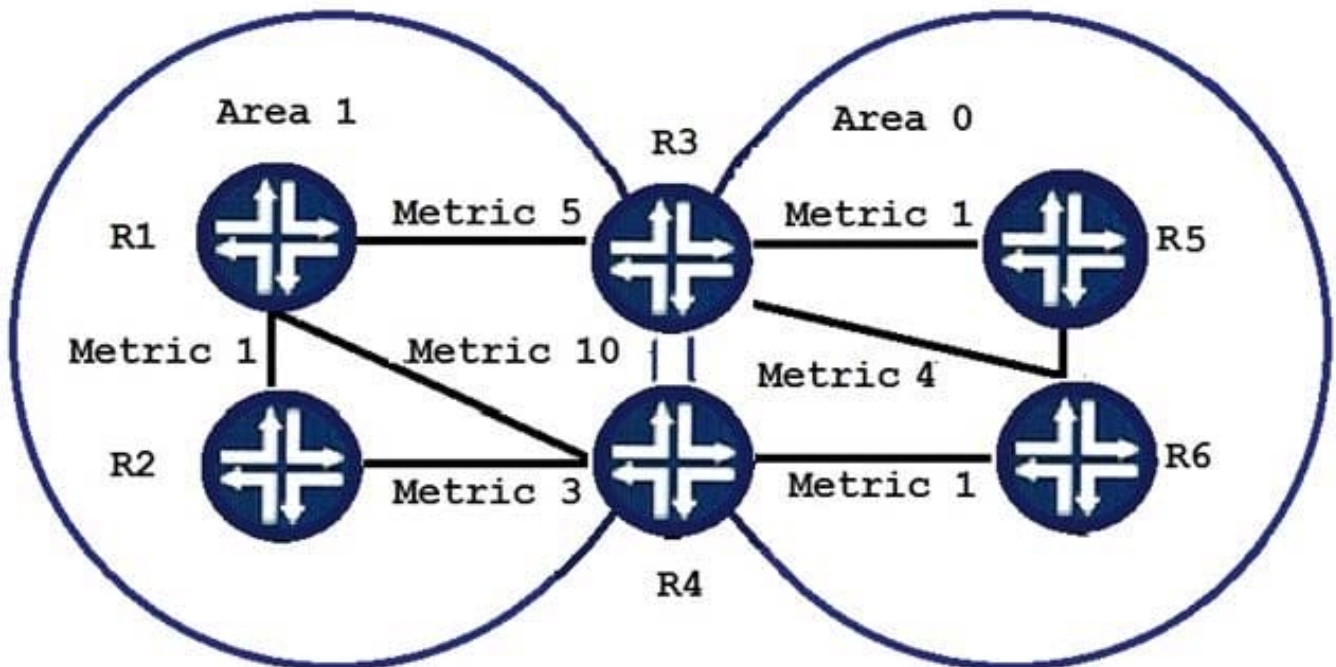
A. Increase the suppress parameter to 3500.

B. Decrease the suppress parameter to 2000.

C. Increase the half-life parameter to 45.

D. Decrease the half-life parameter to 15.

Correct Answer: BC

QUESTION 6

Click the Exhibit button.


```
[edit protocols ospf]
user@R3# show area 1
stub default-metric 11 no-summaries;
interface ge-0/0/3.0;

[edit protocols ospf]
user@R4# show area 1
stub default-metric 12 no-summaries;
interface ge-0/0/2.0;
interface ge-0/0/3.0;
```

Referring to the exhibit, Area 1 is a stub area.

Which two statements are correct in this scenario? (Choose two.)

A. R2 will send traffic to unknown destinations using R1 or R4.

B. R1 will send traffic to unknown destinations using R3 or R4.

C. R1 will send traffic to unknown destinations using only R3.

D. R2 will send traffic to unknown destinations using only R4.

Correct Answer: CD

QUESTION 7

What information must you gather from the satellite device to provision a Junos Fusion Enterprise deployment on the aggregation device? (Choose two.)

A. MAC address

B. Serial number

C. Software version

D. Model number

Correct Answer: AB

QUESTION 8
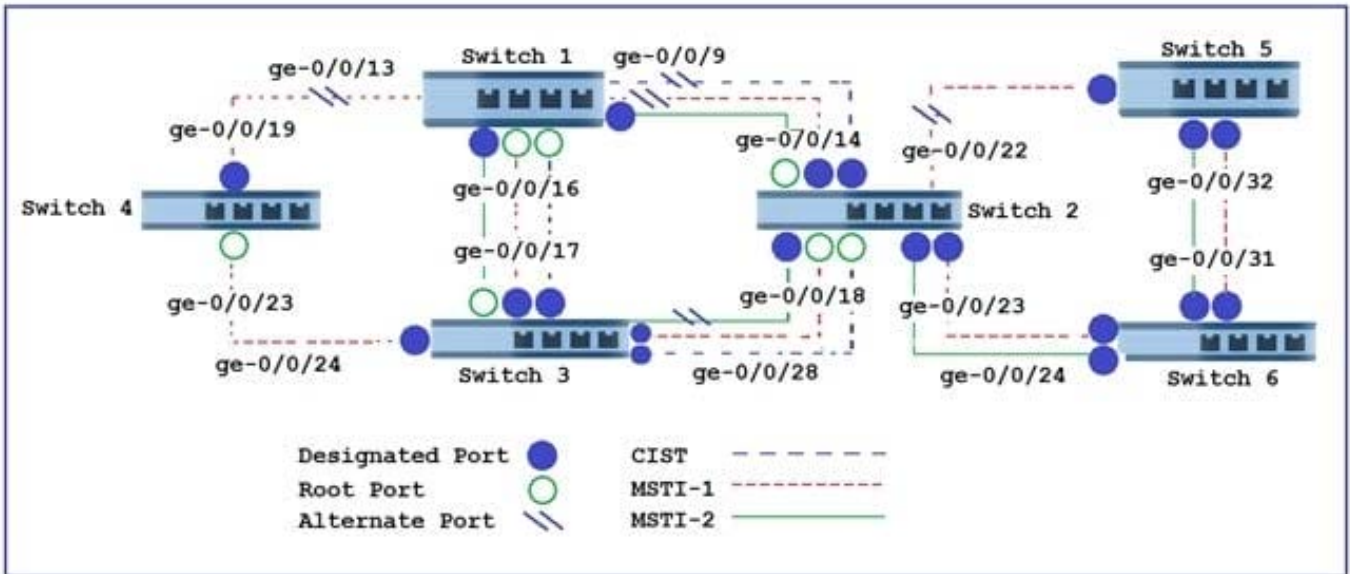
When configuring class of service, what would you use to allocate bandwidth to a forwarding class?

A. Buffer depth

B. Transmit rate

C. Bandwidth

D. Speed

Correct Answer: B

QUESTION 9

Click the Exhibit button.

Referring to the exhibit, what is the minimum number of MSTP regions where the topology would be implemented?

A. 3

B. 1

C. 2

D. 0

Correct Answer: B

QUESTION 10

Click the Exhibit button.

```
{master:0} [edit]
user@switch# show interfaces ge-0/0/1
native-vlan- id 20;
unit 0 {
    family Ethernet-switching {
      interface-mode trunk;
      vlan {
        members [20 voice];
      }
    }
}

{master:0} [edit]
user@switch# show protocols lldp-med

{master:0} [edit]
user@switch# show switch- options

{master:0} [edit]
user@switch# show vlans
data {
    vlan-id-20;
    l3-interface irb.20;
}
voice {
    vlan-id 30;
}
```

You have a workstation and VoIP phone connected to port ge-0/0/1 on an access switch. Referring to the configuration shown in the exhibit, which statement is true?

A. The phone will require a manual VLAN ID configuration.

B. Untagged frames that enter the switch on interface ge-0/0/1 will be dropped.

C. All frames that leave the switch on interface ge-0/0/1 will be tagged.

D. The phone will not be able to communicate over the network.

Correct Answer: C

QUESTION 11

Click the Exhibit.

```
user@R1> show log ospf-trace
Jun 13 09:29:40. 927461 Received OSPF packet od type and wire_length 1,
60
Jun 13 09:29:40. 927471 OSPF rcvd Hello 172.24.192.82 -> 224.0.0.5 (xe-
11/3/0.0 IFL 3170 area 0.0.0.0)
Jun 13 09:29:40. 927477 Version 2, length 48, ID 172.24.192.82, area
0.0.0.0
Jun 13 09:29:40. 927481 checksum 0x0, authtype 0
Jun 13 09:29:40. 927487 mask 255.255.255.254, hello_ivl 10, opts 0x12,
prio 128
Jun 13 09:29:40. 927492 dead_ivl 40, DR 172.24.192.82, BDR 0.0.0.0
Jun 13 09:29:40. 927497 neighbor 172.24.192.165
Jun 13 09:29:40. 927509 OSPF restart signaling: Received hello with LLS
data from nbr ip=172.24.192.82 id= 172.24.192.82
Jun 13 09:29:40. 927516 OSPF packet ignored: configuration mismatch from
172.24.192.82 on intf xe-11/3/0.0 area 0.0.0.0
Jun 13 09:29:41.535135  rt_flash_update_callback: flash OSPF (inet.0)
start

user@R1#  show protocols ospf
traceoptions {
    file ospf-trace
    flag all;
}
reference-bandwidth 1000g;
area 0.0.0.0 {
    interface lo0.0 {
      passive;
    }
    interface ae0.0 {
      interface-type p2p;
      bfd-liveness-detection {
       minimum-interval 750;
       multiplier 3;
       }
    }
    interface xe-11/3/0.0 {
      interface- type p2p;
      bfd-liveness-detection {
        minimum-interval 750;
        multiplier 3;
      }

}
[edit]
user@R2# show protocols ospf
area 0.0.0.0 {
    interface xe-2/1/0.0 {
      metric 220;
      priority 150;
      hello-interval 10;
      dead-interval 40;
    }
}
```

You have just configured on an OSPF adjacency between two routers. After you commit the configuration, you notice that your adjacency is not up.

Referring to the exhibit, what would cause the problem?

A. You must configure lo0 on R2.

B. You must configure hello and dead intervals on R1.

C. You must configure interface-type on R2.

D. You must configure bfd on R2.

Correct Answer: C

QUESTION 12

Which router ID is correct for OSFPv3?

A. 0.0.0.0

B. 2001:123:6::1

C. ::172.16.1.1

D. 172.16.1.1

Correct Answer: D

QUESTION 13

Click the Exhibit button.

```
user@router> show route advertising-protocol bgp 10.254.32.2

inet.0: 1400327 destinations, 14000327 routes (1351350 active,
0 holddown, 1 hidden)
Prefix              Nexthop          MED   Lclpref        AS path
*1.5.5.5/32         Self                                  81 I

[edit]
user@router# show policy-options policy-statement export-to-as81
term 1 {
    from {
        route-filer 1.0.0.0/8 longer;
        :
    }
    then accept
}
term 2 {
    then reject;
}

[edit]
user@router# show policy-options policy-statement reject-routes
term 1 {
    from {
        route-filter 1.0.0.0/8 exact;
        :
    }
    then reject;
}

[edit]
user@router# show protocol bgp
export reject-routes;
group ebgp {
    export export-to-as81;
    peer-as 81;
    neighbor 10.254.32.2 {
        family inet {
          unicast;
      }
    }
}
```

You are asked to advertise the 1.0.0.0/8 and 1.5.5.5/32 routes to your 10.254.32.2 BGP peer.

Referring to the exhibit, which configuration change would satisfy this requirement?

A. Remove the export-to- as81 policy.

B. Change the export-to- as81 policy to or longer.

C. Remove the reject-routes policy.

D. Change the reject-routes policy to longer.

Correct Answer: B

QUESTION 14

Which protocol is used for port-level access control and authentication?

A. MD5

B. IPsec

C. 802.1X

D. AES

Correct Answer: C

QUESTION 15

Your network supports multicast traffic but your provider network does not. You want to allow multicast hosts outside of your network to receive multicast traffic sourced within your network.

How would you satisfy this requirement?

A. Use MSDP peering with your provider.

B. Use AutoVPN to connect to the remote hosts.

C. Use an MP-BGP session to your provider to pass multicast traffic.

D. Use an automatic multicast tunnel gateway at the edge of your network.

Correct Answer: D