



# Juniper

## JN0-643 Exam

### Enterprise Routing and Switching, Professional (JNCIP-ENT)

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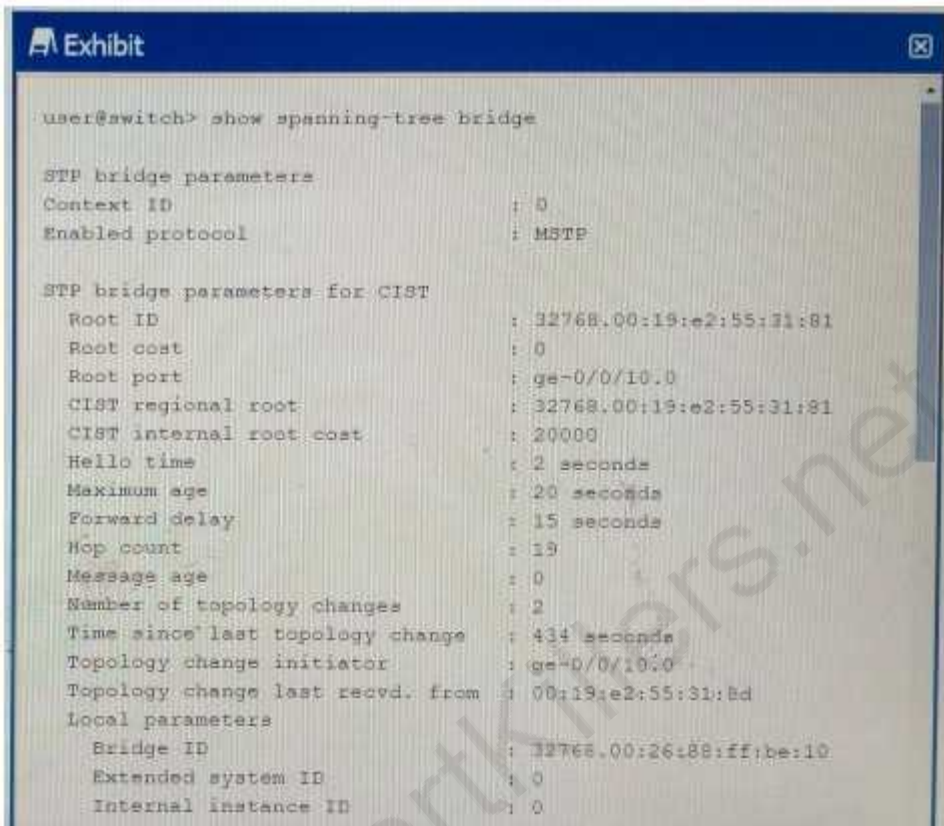
# Version: 15.0

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## Question: 1

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Referring to the exhibit, which two statements are correct?(choose two)



```
user@switch> show spanning-tree bridge

STP bridge parameters
Context ID                : 0
Enabled protocol          : MSTP

STP bridge parameters for CIST
Root ID                   : 32768.00:19:e2:55:31:81
Root cost                  : 0
Root port                 : ge-0/0/10.0
CIST regional root       : 32768.00:19:e2:55:31:81
CIST internal root cost  : 20000
Hello time                 : 2 seconds
Maximum age                : 20 seconds
Forward delay             : 15 seconds
Hop count                  : 19
Message age                : 0
Number of topology changes : 2
Time since last topology change : 434 seconds
Topology change initiator : ge-0/0/10.0
Topology change last recvd. from : 00:19:e2:55:31:8d
Local parameters
  Bridge ID                : 32768.00:26:88:ff:be:10
  Extended system ID       : 0
  Internal instance ID     : 0
```

```

Exhibit

STP bridge parameters for MSTI 1
MSTI regional root      : 4097.00:26:88:ff:be:10
Hello time              : 2 seconds
Maximum age             : 20 seconds
Forward delay           : 15 seconds
Number of topology changes : 4
Time since last topology change : 434 seconds
Topology change initiator : ge-0/0/1.0
Topology change last recvd. from : b0:c6:9a:70:54:81
Local parameters
  Bridge ID             : 4097.00:26:88:ff:be:10
  Extended system ID    : 0
  Internal instance ID  : 1

STP bridge parameters for MSTI 2
MSTI regional root      : 4098.b0:c6:9a:70:54:90
Root cost               : 20000
Root port              : ge-0/0/1.0
Hello time              : 2 seconds
Maximum age             : 20 seconds
Forward delay           : 15 seconds
Hop count               : 19
Number of topology changes : 3
Time since last topology change : 404 seconds
Topology change initiator : ge-0/0/1.0
Topology change last recvd. from : b0:c6:9a:70:54:81
Local parameters
  Bridge ID             : 4097.00:26:88:ff:be:10
  Extended system ID    : 0
  Internal instance ID  : 1

STP bridge parameters for MSTI 2
MSTI regional root      : 4098.b0:c6:9a:70:54:90
Root cost               : 20000
Root port              : ge-0/0/1.0
Hello time              : 2 seconds
Maximum age             : 20 seconds
Forward delay           : 15 seconds
Hop count               : 19
Number of topology changes : 3
Time since last topology change : 404 seconds
Topology change initiator : ge-0/0/1.0
Topology change last recvd. from : b0:c6:9a:70:54:81
Local parameters
  Bridge ID             : 8194.00:26:88:ff:be:10
  Extended system ID    : 0
  Internal instance ID  : 2

```

A. This switch is the root bridge for the MSTI 1 region

- B. The priority value is set to 4k on this switch for all MSTI region
- C. This root is the root for all MSTI Regional
- D. This root bridge for the MSTI 2 region is connected to the ge;0-0-l interface

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**Answer: A, D**

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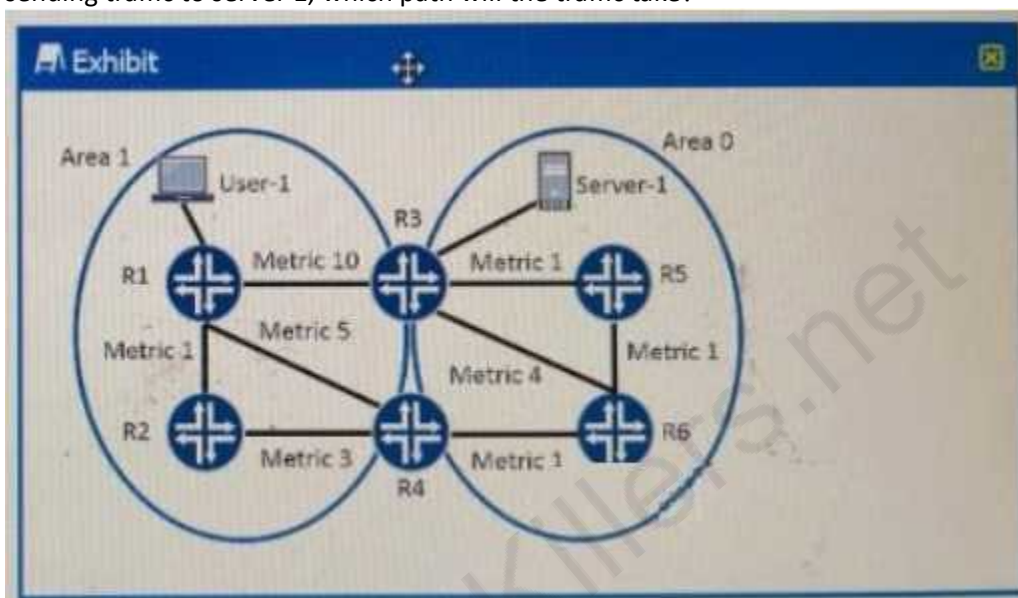


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### Question: 2

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Referring to the exhibit, OSPF is being used as the IGP and Area 1 is a standard OSPF area. USER 1 is sending traffic to server 1, which path will the traffic take?



- A. R1>R2>R4>R6>R3
- B. R1>R2>R4>R6>R5>R3
- C. R1>R3
- D. R1>R4>R6>R3

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**Answer: B**

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### Question: 3

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You are attempting to configure BGP peering to a new service provider. The BGP peering state is stuck in the active state.

What are two reasons for this happening? (Choose two)

- A. the local autonomous system number is not configure
- B. the origin ID is not configure
- C. The peer IP address is incorrect
- D. The peer autonomous number is incorrect.

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**Answer: C**

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**Question: 4**

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The network administrator wants the ports on an EX series switch to allow both tagged and untagged frames to be followed. Tagged FRAMES should be associated with their tagged VLAN. While untagged frames should be associated with a preconfigured VLAN IN THIS scenario which statement is true?

- A. The INTERFACE PORT MODE should be configured as mixed mode two allow both trunk and access port modes, untagged frames will belong to the default VLAN configured on that port.
- B. An Interface can be configured as an access port or a TRUNK Port ,but it cannot accept both tagged and untagged frames.
- C. The interface port mode should be configured as an access port with a VLAN id frames that enter the port wid a VLAN tag already assigned will override the access port VLAN id.
- D. The interface port mode should be configured as a trunk port, untagged frames will belong to the native vlan id configured on that post.

---

**Answer: D**

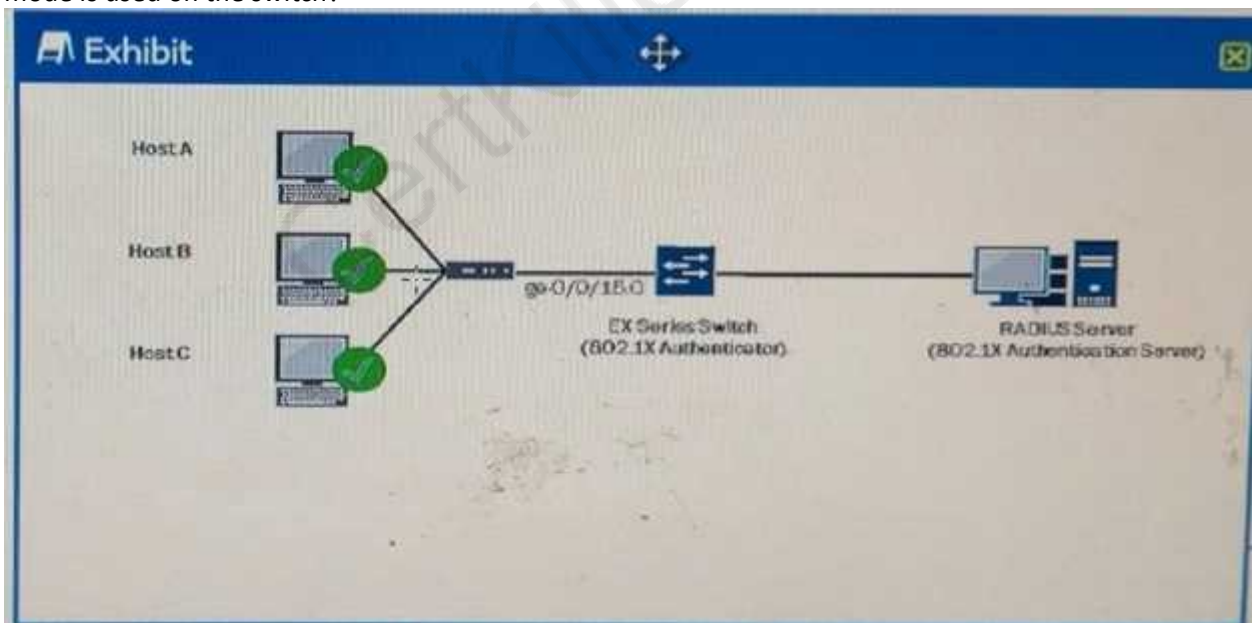
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**Question: 5**

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Referring to the exhibit, All hosts have individually authenticated using 802.IX. Which supplicant mode is used on the switch?



- A. MAC RADIUS
- B. MULTIPLE
- C. SINGLE
- D. SINGLE SECURE

---

**Answer: B**

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**Question: 6**

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When servicing queues on an EX series switch, which two statements are true? (Choose two)

- A. By default, the class-of-service bits on a packet do not change on egress, regardless of which queue services the packet
- B. By default, the four primary queues of best effort, assured forwarding expedited forwarding and network control have resources assigned to them
- C. By default, only the best effort and network-control queues have resources assigned to them
- D. WHEN TRAFFIC is assigned to user defined queues the best effort queue resources are automatically divided evenly among all user's configured queues to ensure all traffic get serviced.

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**Answer: A, C**

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**Question: 7**

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Which two statements about this scenario are correct? (choose two)

- A. the device is aware of all sources for the group
- B. the device is receiving the multicast stream using the shortest path free
- C. the forwarding path to the multicast source is through the RP
- D. the source of the group is unknown

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**Answer: C, D**

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**Question: 8**

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You installed redundant power supplies of different capacities into your EX switch. In this scenario, which statement is true?

- A. The POE power budget is based on the number of ports on the switch
- B. The POE power budget is based on the combined wattage of both power supplies
- C. The POE power budget is based on the wattage of the lower capacity power supply
- D. The POE power budget is based on the wattage of the higher capacity power supply.

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**Answer: C**

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**Question: 9**

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Which three statements are correct about source specific multicast (SSM) on the junos OS? (Choose three)

- A. SSM requires the use of an RP
- B. IT HAS AN DEDICATED address block

- C. SSM does not require the use of an RP
- D. SSM must use the 232/8 address range
- E. IGMPv2 and IGMPv3 can be used with SSM.

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**Answer: B, C, E**

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### Question: 10

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Which three statements are correct about the PIM output shown in the exhibit (Choose three)?



```
user@R1> show pim join extensive sg
Instance: PIM.master Family: INET
R = Rendezvous Point Tree, S = Sparse, W = Wildcard
Group: 224.123.123.123
  Source: 192.168.220.10
  Flags: sparse, spt
  Upstream interface: ge-0/0/25.0
  Upstream neighbor: 192.168.35.2
  Upstream state: None, Local RP, Join to Source
  Keepalive timeout: 248
  Downstream neighbors:
    Interface: ge-0/0/10.0
      192.168.20.1 State: Join Flags: S Timeout: 192
```

- A. R1 has the shortest path tree connection to the multicast source
- B. The joint request path me from the client at 192 168 35 2
- C. The RP is upstream from R1
- D. RP is the RP
- E. The multicast stream is flowing out of R1 THROUGH interface ge 0/0/10 0

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**Answer: A, D, E**

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### Question: 11

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What is the purpose of realms in OSPFv3?

- A. They pass IPv6 routes through IPv4
- B. They pass IPv6 routes through VPNs
- C. They pass IPv4 routes through IPv6
- D. They pass VPN through IPv6



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**Answer: C**

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**Question: 12**

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Your layer two network contains 500 unique VLAN IDS .you are asked to ensure that your VLANs Are load balanced between two root bridges ,but you are only allowed to have two spanning tree instances within your network. Which spanning tree protocol should you use in the scenario?

- A. VSTP
- B. RSTP
- C. MSTP
- D. STP

---

**Answer: C**

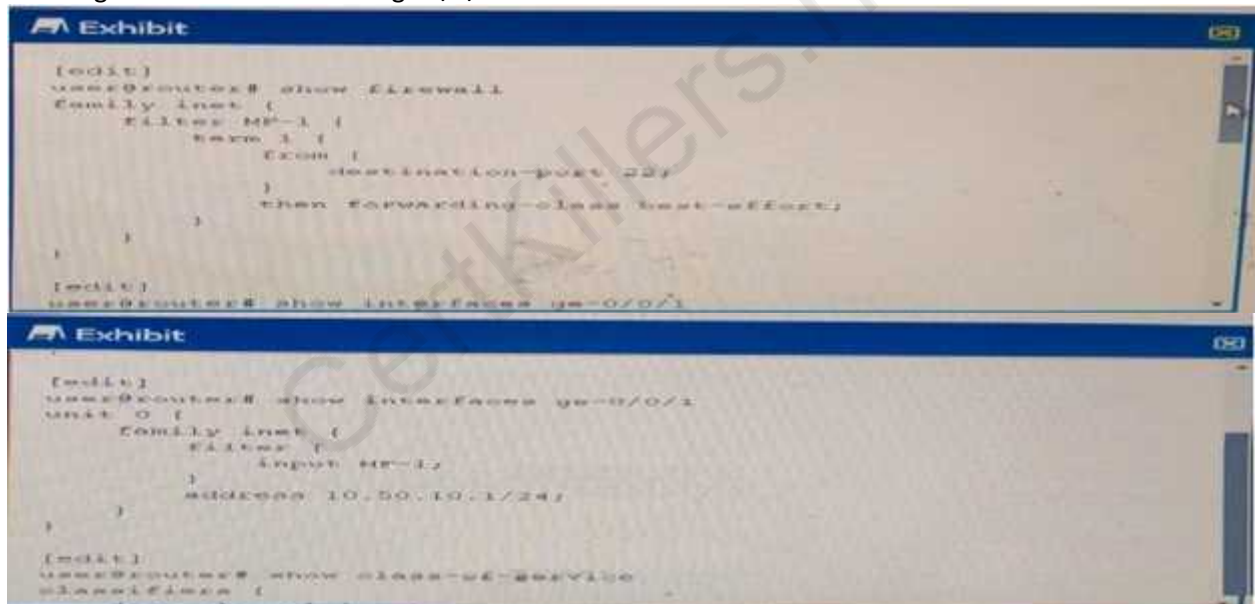
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**Question: 13**

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Referring to the exhibit, traffic that uses destination port 22 and the code point alias of 101010 is entering the router on interface ge 0/0/1. In this scenario which two statements are true?



```
[edit]
user@router# show firewall
family inet {
  filter NF-1 {
    term 1 {
      from {
        destination-port 22
      }
      then forwarding-class best-effort;
    }
  }
}

[edit]
user@router# show interfaces ge-0/0/1

[edit]
user@router# show interfaces ge-0/0/1
unit 0 {
  family inet {
    filter {
      input NF-1;
    }
    address 10.50.10.1/24;
  }
}

[edit]
user@router# show class-of-service
classifiers {
  default {
    classifier {
      destination-port 22 {
        code-point 101010;
      }
    }
  }
}
```



```

}
  address 10.50.10.1/24;
}

(edit)
user@router# show class-of-service
Classifiers {
  dscp class-1 {
    forwarding-class network-control;
    loss-priority low code-points ncl;
  }
}

code-point-aliases {
  dscp {
}
}

```

```

}
code-point-aliases {
  dscp {
    ncl 101010;
  }
}
interfaces {
  ge-0/0/1 {
    unit 0 {
      classifiers {
        dscp class-1;
      }
    }
  }
}

```

- A. The traffic is placed in the best effort forwarding class
- B. The traffic is evaluated by both classifiers
- C. The traffic is placed in the network control forwarding class
- D. The traffic is only evaluated by the multi-field classifier

---

**Answer: A, B**

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### Question: 14

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A packet enters the router and is subject to ingress's processing. In which order is the packet processed?

- A. Policer >BA classifier>multifield classifier>forwarding policy
- B. multifield classifier>BA classifier>policer>forwarding policy
- C. BA classifier>multifield classifier>policer>forwarding policy
- D. forwarding policy> BA classifier>multifield classifier>policer

---

**Answer: C**

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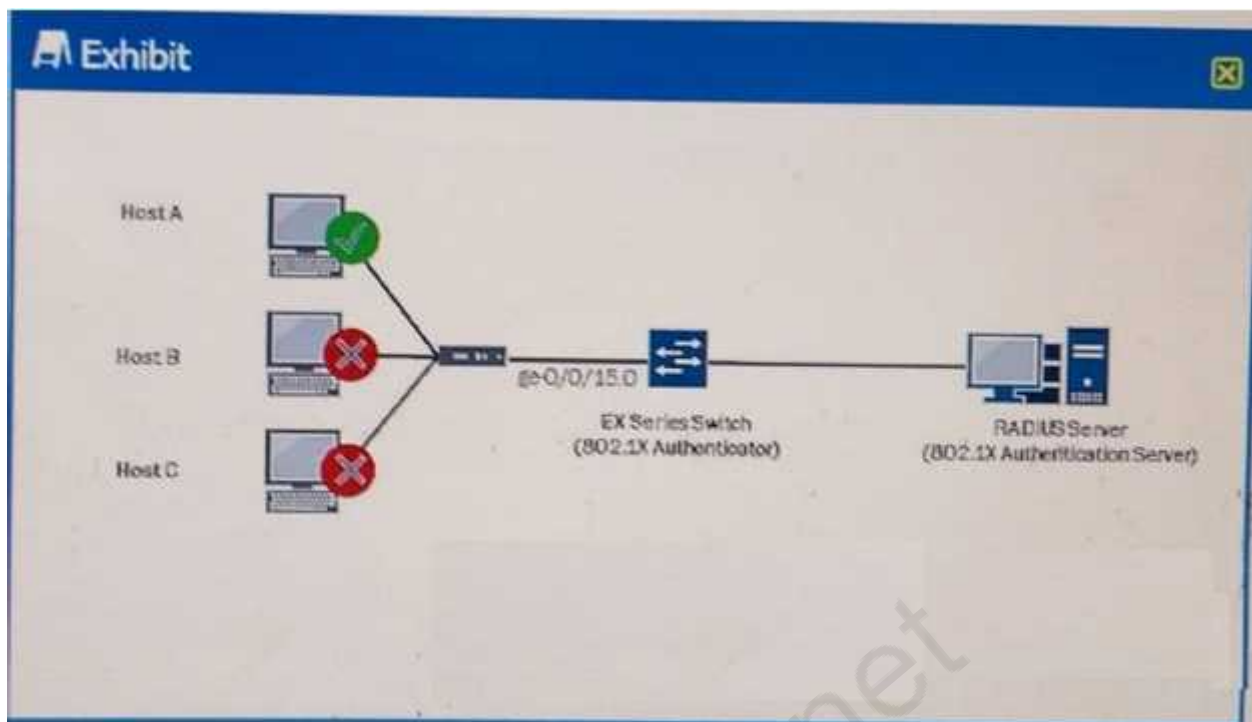


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### Question: 15

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Referring to the exhibit, all host A has authenticated using 802.1X B. Which supplicant mode IS USED on the switch?



- A. MAC RADIUS
- B. Multiple
- C. Single
- D. Single-secure

---

**Answer: C**

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**Question: 16**

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The network is configured with IPv4 and IPv6 addressing. The network administrator does not want the overhead of managing OSPFv2 and OSPFv3 for route advertisement, Which statement is true in this scenario?

- A. OSPFv2 can advertise IPv6 routes by using opaque LSAs
- B. OSPFv3 can advertise IPv4 routes by using route redistribution policies
- C. OSPFv2 and OSPFv3 must run on the network to advertise IPv6 and IPv4 routes
- D. OSPFv3 can advertise IPv4 routes by configuring protocol realms

---

**Answer: D**

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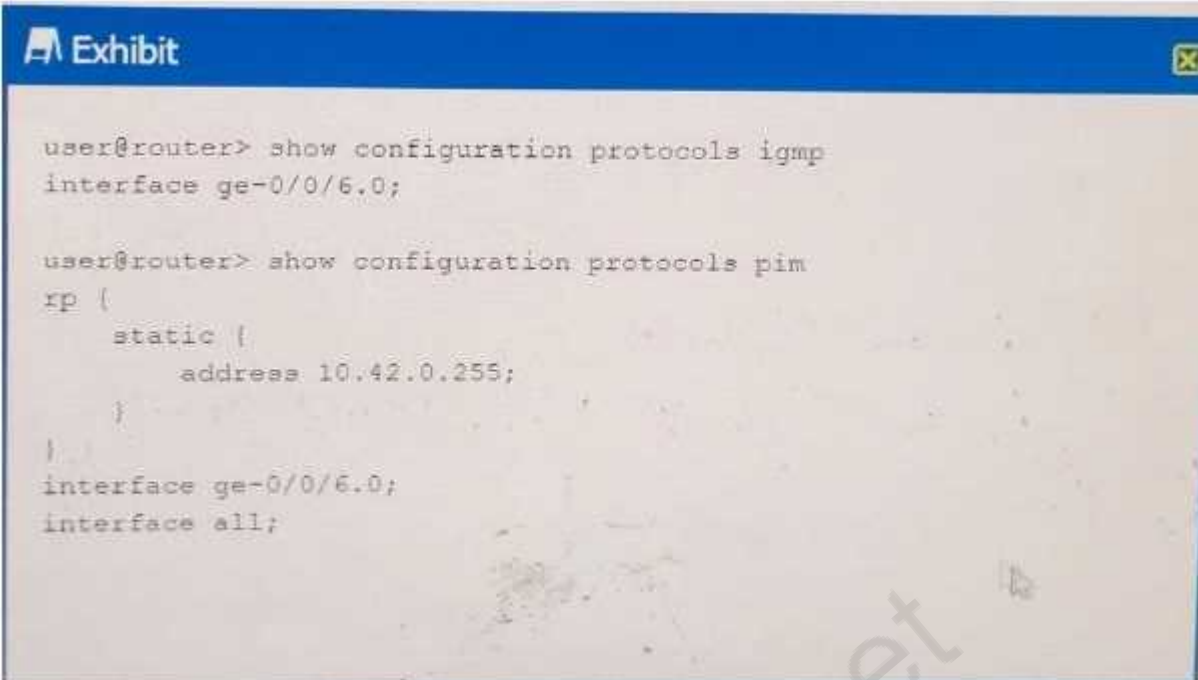


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**Question: 17**

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Referring to the exhibit, what must you add to the configuration to allow a receiver connected two interface ge 0/0/6 to subscribe to group 232 0 0 1 from source 172.16.7.1?



```
user@router> show configuration protocols igmp
interface ge-0/0/6.0;

user@router> show configuration protocols pim
rp {
  static {
    address 10.42.0.255;
  }
}
interface ge-0/0/6.0;
interface all;
```

- A. Add sparse mode to PIM interface ge 0/0/6
- B. Add version 2 the state RP configuration
- C. Add version 3 to IGMP INTERFACE ge 0/0/6
- D. Add version two to IGMP interface ge 0/0/6

---

**Answer: C**

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**Question: 18**

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You manage your company's enterprise network using EX series switches. Your company wants to use Q in Q tunneling to correct remote customer sites together, which statement is correct about the scenario?

- A. you must enable L2PT to tunnel layer 2 protocol traffic
- B. the outside layer 2 frame is popped by the penultimate switch
- C. customer traffic is tunneled through the network using the C-VLAN-ID
- D. the default Ethernet type value is 0x9100

---

**Answer: A**

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**Question: 19**

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You want to deploy MSTP with multiple regions. Each region should have a unique root bridge to accommodate a set of VLANs. Which three configuration elements must watch on switches participating in this deployment scenario? (Choose three)

- A. MSTI toVLAN mapping

- B. revision level
- C. CST BPDU parameters
- D. configuration name
- E. bridge priority

---

**Answer: A, B, D**

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**Question: 20**

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Which policy statement will be applied to neighbor 172.16.4.2?

```

user@router> show configuration policy-options
policy-statement agg {
  term 1 {
    from {
      protocol aggregate;
      route-filter 10.1.0.0/16 exact;
    }
    then accept;
  }
}
policy-statement stat {
  term 1 {
    from {
      protocol static;
      route-filter 10.1.11.0/24 exact;
    }
    then accept;
  }
}
policy-statement all {
  term 1 {
    from protocol { static aggregate };
    then accept;
  }
}

user@router> show configuration protocols bgp
export all;
group 65004 {
  export atat;
  neighbor 172.16.4.2 {
    export 6599;
    peer-as 65000;
  }
}

```

- A. policy-statement all and policy -statement agg
- B. policy-statement agg
- C. policy-statement all and policy -statement atat
- D. policy-statement atat

---

**Answer: A**

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