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**Vendor:** Avaya

**Exam Code:** 6102.1

**Exam Name:** Avaya Virtual Services Platform 9000  
Implementation Exam

**Version:** Demo

**QUESTION NO: 1**

A customer is mirroring multiple ports to a single monitor port.

What happens if the mirrored traffic exceeds the bandwidth of the monitor port?

- A. The traffic will be buffered until there is available bandwidth.
- B. The excess traffic will be dropped randomly.
- C. The excess traffic will be dropped based upon the mirror priority of the ingress port.
- D. The excess traffic will be dropped based upon the port priority of the ingress port.

**Answer: B**

**QUESTION NO: 2**

Which types of packets will port mirroring not capture?

- A. Packets that are dropped on the ingress MAC
- B. Packets that are destined for the standby CP
- C. Packets that are properly forwarded through the VSP
- D. Packets that have a destination address of 255.255.255.255

**Answer: A**

**QUESTION NO: 3**

A Split Multi Link Trunking (SMLT) for switch clustering is being configured. Which statement is a configuration requirement for the SMLT?

- A. The CP-Limit is configured on edge switch stacks.
- B. VLANs that are defined on the SMLT are also defined on the tote IST.
- C. Neighboring edge switch stacks should be connected to each other via the DMLT connection to add resilient paths in the event of an SMLT failure.
- D. Alternate the primary path of the SMLT connection to load balance the switch core.

**Answer: B**

**QUESTION NO: 4**

A Virtual Services Platform (VSP) 9000 chassis has the following connections:

Four 10GBaseER core connections in ports 3/4 , 3/8, 4/4, 4/8 (9024XL cards)

40 Copper 100BaseT connections for server aggregation (9048GT card)

How many Switch Fabric (SF) modules need to be installed in the rear of the chassis to ensure that all of the IO cards operate at full performance, even if a single SF module fails (n + 1 SF redundancy)?

- A. Install three SFs in SF modules 1, 2, 4.
- B. Install four SFs in SF modules 1, 2, 3, 4.
- C. Install five SFs in SF modules 1, 2, 3, 4, 5.
- D. Install six SFs in SF modules 1, 2, 3, 4, 5, 6.

**Answer: D**

**QUESTION NO: 5**

Which two management ports are available on the CP module? (Choose two.)

- A. Serial interface
- B. USB (host) interface
- C. Ethernet interface
- D. Modem interface

**Answer: A,D**

**QUESTION NO: 6**

Given the following ACL applied to an interface:

```
filter acl ace 1 5 name "xxxx"
```

```
filter acl ace action 1 5 deny
```

```
filter acl ace ip 1 5 ip-protocol-type eq tcp
```

```
filter acl ace protocol 1 5 dst-port eq 23
```

```
filter acl ace 1 5 enable
```

What is the result of this filter?

- A. permit telnet traffic
- B. deny ftp traffic
- C. permit only tcp traffic
- D. deny telnet traffic
- E. deny only tcp traffic

**Answer: D**

#### **QUESTION NO: 7**

Internet Group Management Protocol (IGMP) is used by the IP Multicast router, to learn about the existence of host group members on their directly attached subnets.

Which statement about IGMP is true?

- A. The IP Multicast routers get this information by listening for IP hosts broadcasting IGMP queries and reporting their host group memberships.
- B. The IP Multicast routers get this information by broadcasting IGMP queries and listening for IP hosts reporting their host group memberships.
- C. The IP Multicast routers get this information by recognizing the modified MAC address of a Multicast packet and adding that MAC address to the Multicast tree.
- D. The IP Multicast routers get this information by listening for Multicast Servers broadcasting IGMP queries and listening for IP hosts reporting their host group memberships.

**Answer: B**

#### **QUESTION NO: 8**

A campus network requirement is to introduce Virtual Routing and Forwarding (VRF) in the

existing Virtual Services Platform (VSP) 9000 core. The technician needs to configure VRF on the VSP 9000.

Which statement represents the proper order for configuring a new VRF?

- A. Create a new VLAN, add an IP address, create a VRF, and move the VLAN to the new VRF.
- B. Create a VRF, add an IP address, create a new VLAN, and move the VLAN to the new VRF.
- C. Create a VRF, create a new VLAN, add an IP address, and move the VLAN to the new VRF.
- D. Create VRF, create a new VLAN, move the VLAN to the new VRF, and add an IP address.

**Answer: D**

#### **QUESTION NO: 9**

Which command can be used to determine the management IPv6 address on the Virtual Services Platform (VSP) O000?

- A. Show interfaces mgmtEthernet 1/1
- B. Show ip interface vrf mgmtRouter
- C. Show ipv6 interface vrf mgmtRouter
- D. Show ipv6 address interface

**Answer: D**

#### **QUESTION NO: 10**

Avaya recommends that the Switch Fabric (SF) modules be installed in both Slot SF1 and Slot SF4.

What is the reason behind this recommendation?

- A. It provides optimal load balancing between the SF modules.
- B. It provides redundancy for the bandwidth management.
- C. It takes full advantage of the orthogonal midplane architecture.
- D. It provides redundancy in case of a power supply failure.
- E. It provides lossless SF failover.

Answer: B

QUESTION NO: 11

A support engineer will use the EDM web-based embedded element management tool to support the Virtual Services Platform (VSP) 9000 configuration management.

Which CLI configuration is mandatory to allow the users to login into EDM via a web browser for the first time?

- A. Enable the web server and configure a webserver admin password.
- B. Only enable the web-server.
- C. Only configure the web-server admin password.
- D. The web server is enabled by default with a default password.

Answer: B

QUESTION NO: 12

The information in the exhibit is displayed on the console of one of the Virtual Server Platforms

```
VSP_CoreA: 1# show spanning-tree status
=====
                          Spanning Tree Status
=====
STG ID  BRISGE        NUM      PROTOCOL   TOP
ADDRESS PORTS      SPECIFICATION  CHANGES
-----
0       00:24:7f:9e:a0:00 120      ieee8021s   1
0       00:24:7f:9e:a0:00 11       ieee8021s   1
0       00:24:7f:9e:a0:00 4        ieee8021s   1
=====
STG ID  DESIGNATED    ROOT  ROOT  MAX  HELLO  HOLD  FORWARD
ID      ROOT          COST  PORT  AGE  TIME   TIME  DELAY
-----
0       80:00:00:1e:CA:db:40:01 20000 4/47  20   0     1    15
1       80:00:00:24:7f:9e:a0:00 0      cpp   20   0     1    15
10      80:00:00:24:7f:9e:a0:00 0      cpp   20   0     1    15
=====
Total number of Spanning Tree IDs : 3
0       00:24:7f:9e:a0:00 120      4        ieee8021s   1
cluster.
=====
STG ID  DESIGNATED    ROOT  ROOT  MAX  HELLO  HOLD  FORWARD
ID      ROOT          COST  PORT  AGE  TIME   TIME  DELAY
-----
0       80:00:00:1e:CA:db:40:01 20000 4/47  20   0     1    15
1       80:00:00:24:7f:9e:a0:00 0      cpp   20   0     1    15
10      80:00:00:24:7f:9e:a0:00 0      cpp   20   0     1    15
=====
Total number of Spanning Tree IDs : 3
```

(VSPs) 9000 in a switch

When is the information in the exhibit correct?

- A. when port 4/47 is a member of the IST MLT
- B. when Spanning tree groups 1 and 10 are extended over of the IST MLT
- C. when cpp is the system name of the other IST switch in the cluster
- D. when Spanning Tree group 0 is used for the IST VLAN

**Answer: D**

### **QUESTION NO: 13**

A customer has a stack of Ethernet Routing Switch (ERS) 5698TFD switches, the uplinks to the network core are via two Gigabit uplink ports from the first ERS 5698TFD in the stack to a single virtual services platform (VSP) 9000. The links are not part of a Multi-Link Trunk (MLT) and spanning tree is running.

This results in one of the links always being blocked and recovery time unacceptably long when the active uplink fails. They need to have both links active to increase the bandwidth to the core, and at the same time provide better redundancy.

What is the preferred Avaya solution for the customer?

- A. Move only of the uplink to another ERS 5698TFD in the stack and disable spanning-tree on both uplinks.
- B. Move one of the uplinks to another ERS 5698TFD in the stack and enable Equal Cost Multi-Path (ECMP) on the uplinks.
- C. Move one of the uplinks to another ERS 5698TFD in the stack, configure MLT, and group the two uplinks in a distributed Multi-Link Trunk (DMLT)
- D. Move one of the uplinks to another ERS 5698TFD in the stack, and ensure that the uplinks terminate on different modules in the VSP 9000.

**Answer: C**

### **QUESTION NO: 14**

Which statement about the local router MAC addresses on RSMLT aggregation switches (cluster) is true?

---

- A. On a RSMLT aggregation switch pair, local router MAC addresses are exchanged, and only used in case of switch failure.
- B. On a RSMLT aggregation switch pair, local router MAC addresses are exchanged, and used for data forwarding.
- C. On a RSMLT aggregation switch pair, local virtual MAC addresses is exchanged, and used for data forwarding.
- D. RSMLT aggregation switches are not exchanging local router MAC addresses, but are using the IP destination address to forward traffic.

**Answer: B**

#### **QUESTION NO: 15**

A customer is concerned about the security of their network. They need to understand the OSPF authentication options when accepting route updates in OSPF. Currently, their Virtual Service Platform (VSP) 9000 is configured to require no authentication when receiving the OSPF updates.

Which two supported authentication types would provide security on the VSP 9000 for OSPF updates? (Choose two.)

- A. MD5
- B. 3DES
- C. RADIUS
- D. Simple Password

**Answer: A,D**

#### **QUESTION NO: 16**

The following ACLI commands are used to set up an MLT on the Virtual Services platform (VSP) 9000 and the last command in this sequence produces an ACLI error.

```
VSP-9012:1 (config) # mlt 1
```

```
VSP-9012:1 (config) # mlt 1 name IST
```

```
VSP-9012:1 (config) # mlt 1 member 3/1, 3/2
```

```
VSP-9012:1 (config) # mlt 1 vlan 2, 10, 11, 12
```



What should be done to correct the problem?

- A. Set up the IST on the other VSP 9000 before adding the VLANs.
- B. Add port members 3/1, 3/2 to each of the VLANs before adding them to the MLT.
- C. Specify that the MLT is using encapsulation dot1q.
- D. Assign the IST peer-ip before adding the VLANs.

**Answer: A**

#### **QUESTION NO: 17**

The Chassis Area Network (CAN) uses the SERDES to connect which modules in the Virtual Services Platform (VSP) 9000?

- A. Switch Fabric cards and I/O cards
- B. CP cards and Switch Fabric cards
- C. CP cards and Switch Fabrics in slots 1 & 4
- D. All 10 I/O cards, six SF cards and two CP cards
- E. CP cards and all I/O cards

**Answer: A**

#### **QUESTION NO: 18**

Which statement describes a characteristic of Routed Split Multilink Trunking (RSMLT) configuration?

- A. RSMLT is only configured on edge SMLT connections.
- B. RSMLT uses priority values to distinguish between the primary and backup routers.
- C. RSMLT routers are implemented with the VRF-Lite routers.
- D. RSMLT is always used in conjunction with routing protocols and SMLT connections.

**Answer: D**

#### **QUESTION NO: 19**

A switch cluster core composed of two Virtual Services Platform (VSP) 9000 switches has been properly configured to support a new edge switch stack. 802.1Q was not correctly configured on the edge switch stack.

What will the switch core do with packets arriving from this edge stack?

- A. It will forward the packets to the switch CPU.
- B. It will place the packets in the data VLAN.
- C. It will discard the packet
- D. It will place the packets in the default VI AN (VLAN 1).

**Answer: D**

#### **QUESTION NO: 20**

Which file on the internal flash is used to specify the primary and backup release names?

- A. versions.cfg
- B. releases.cfg
- C. boot.cfg
- D. config.cfg

**Answer: A**

#### **QUESTION NO: 21**

The Virtual Services Platform (VSP) 9000 chassis has 12 slots in the front and 8 slots in the back. Two front slots are for the Control Processor (CP) modules and 10 front slots are for the interface modules.

How many back slots are used for the Switch fabric modules?

- A. 2
- B. 3
- C. 6
- D. 8

Answer: C

**QUESTION NO: 22**

A technician has entered the ACLI show tech command on a Virtual Services Platform (VSP) 9000 and found a fan fault.

**Fan Trays Info :**

**Zone Info :**

**FRONT Zone :**

Mode : NORMAL  
Zone Alarm Timer : 0 seconds  
Mode Status : Normal  
Highest Temperature : 34 c

**REAR Zone :**

Mode : NORMAL  
Zone Alarm Timer : 0 seconds  
Mode Status : Normal  
Highest Temperature : 33c

ACW

**Fan Info :**

Zone	Tray	Unit	Status
FRONT	IO_FAN 1	1	OK
FRONT	IO_FAN 1	2	OK
FRONT	IO_FAN 1	3	OK
FRONT	IO_FAN 1	4	FAULT
FRONT	IO_FAN 1	5	OK
FRONT	IO_FAN 1	6	OK
FRONT	IO_FAN 1	7	OK
FRONT	IO_FAN 1	8	OK
REAR	SF-FAN 1	1	OK
REAR	SF-FAN 1	2	OK

What is true about this fan fault in the chassis?

- A. The chassis will shut down the IO module in slot 4 associated with the fan fault.
- B. The chassis and the remaining fans are operating normally.
- C. The chassis will continue to operate normally until the next reset.
- D. The rear SF-FANs compensate for the lack of air flow in the front.

**Answer: B**

### **QUESTION NO: 23**

Network virtualization is the process of combining hardware and software network resources into a single virtual network.

Which two customer scenarios are appropriate for virtualization? (Choose two)

- A. a business after merger and acquisition
- B. a SOHO network
- C. a centralized and shared data center
- D. a business with less than fifty employees

**Answer: A,C**

### **QUESTION NO: 24**

Policy based traffic policers and traffic shapers identify traffic using a policy (a contract). Traffic that conforms to this policy (a service contract) is guaranteed transmission, and nonconforming traffic is considered in violation.

Which two statements about how Policy-based policers and shapers treat violations are true? (Choose two)

- A. Both traffic policers and traffic shapers support the marking and re-marking of DSCP and 802.1p using filter actions.
- B. Traffic shapers buffer and delay excess traffic, whereas traffic policers discard or re-mark excess traffic.
- C. Policing occur on ingress.

D. Traffic shapers allows the traffic to exceed the line rate, whereas traffic policer prevent traffic from exceeding the line rate.

E. Policy based-shaping drop packets exceeding the peak rate.

**Answer: B,C**

#### **QUESTION NO: 25**

Which multicast technology, used with the Virtual Services Platform (VSP) 9000, allows the router to determine whether any group members exist on its directly connected networks and switches?

A. IGAP

B. IGMP

C. DVMRP

D. PIM-SM

**Answer: B**

#### **QUESTION NO: 26**

Which statement describes how to configure Simple Loop Prevention protocol (SLPP) Rx?

A. SLPP is configured on the edge switch ports that connect to the core switch cluster.

B. SLPP is configured on the core switch cluster ports that connect to the edge switch.

C. SLPP is configured on the Inter Switch Trunk (IST) ports of the core switch cluster.

D. SLPP is configured on the uplink ports of both the core switch cluster and the edge switch.

**Answer: B**

#### **QUESTION NO: 27**

SMLTv2 is introduced with the Virtual Services Platform (VSP) 9000 and is easier to configure than SMLTv1.

What is a requirement for SMI Tv2?

- A. MLT IDs must be globally unique on a VSP 9000 cluster.
- B. SMLT IDs must be globally unique on a VSP 9000 cluster.
- C. SLT IDs must be globally unique on a VSP 9000 cluster.
- D. RSMLT IDs must be globally unique on a VSP 9000 cluster.

**Answer: A**

#### **QUESTION NO: 28**

How many cooling modules does a Virtual Services Platform (VSP) 9000 chassis have?

- A. 2 inserted from the front
- B. 2 inserted from the hark
- C. 2 inserted from the front and 4 from the back
- D. 2 inserted from the front and 2 from the back

**Answer: D**

#### **QUESTION NO: 29**

The Virtual Services Platform (VSP) 9000 supports several types of I/O modules. Which ports does the 9048GT contain?

- A. 48 port 1000Base-X SFP
- B. 48-port 10GBase-X SFP+
- C. 48-port 10/100/1000 Base-T
- D. 44-port 10/100/1000 Base-T plus 4 SFP GBICs

**Answer: C**

#### **QUESTION NO: 30**

A customer is expressing concern about reliability for their single uplink connections to the wiring closet. The switches in the wiring closet support Distributed Multi link Trunking (DMLT).

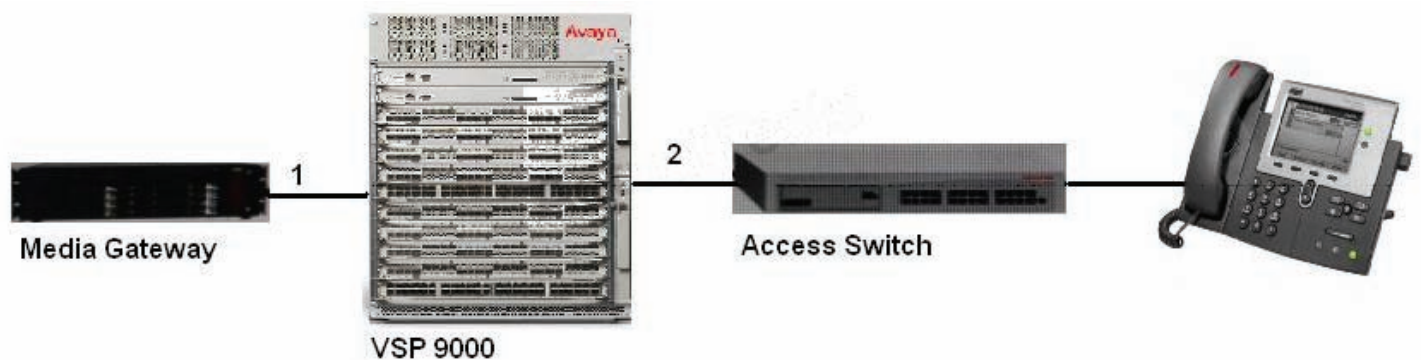
What can be done so the Virtual Services Platform (VSP) 9000 can eliminate a single point of failure for the lowest cost?

- A. Add a second switch fabric module.
- B. Duplicate the trunk elements in software.
- C. Duplicate the trunks across separate modules using DMI T.
- D. Configure multiple VSP 9000 switches using Split Multi-Link Trunking (SMLT).

**Answer: C**

### QUESTION NO: 31

A customer has an Avaya Media Gateway connected to a virtual services Platform (VSP) 9000. The IP telephones are connected to legacy access switches only supporting 802.1p.



Which configuration regarding Trusted and Untrusted Interfaces should be used on interfaces 1 and 2, to guarantee the DSCP marking sent by telephony devices are kept, and there is compatibility between the VSP 9000 and legacy switches for the VoIP prioritization?

- A. 1: L2 802.1p Override = False; L3 Trust = Core; Diffserv = True 2 : L2 802.1p Override = True; L3 Trust = Access; Diffserv = True
- B. 1: L2 802.1p Override = True; L3 Trust = Core ; Diffserv = True 2: L2 802.1p Override = False; L3 Trust = Core; Diffserv = True
- C. 1: L2 802.1p Pverride = True; L3 Trust = Core; Diffserv = True 2: L2 802.1p Override = False; L3 Trust = Access; Diffserv = True
- D. 1: L2 802.1p Override = true; L3 Trust= Core; Diffserv = True; 2: L2 802.1p Override = True; L3 Trust = Access; Diffserv = False
- E. 1: L2 802.1p Override = True; L3 Trust = Access; Diffserv = True 2: L2 802.1p Override = False; L3 Trust = Access; Diffserv = False

**Answer: C**

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