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**Vendor:**Cisco

**Exam Code:**300-115

**Exam Name:**Implementing Cisco IP Switched  
Networks

**Version:**Demo

### QUESTION 1

Which Firepower Management Center feature detects and blocks exploits and hack attempts?

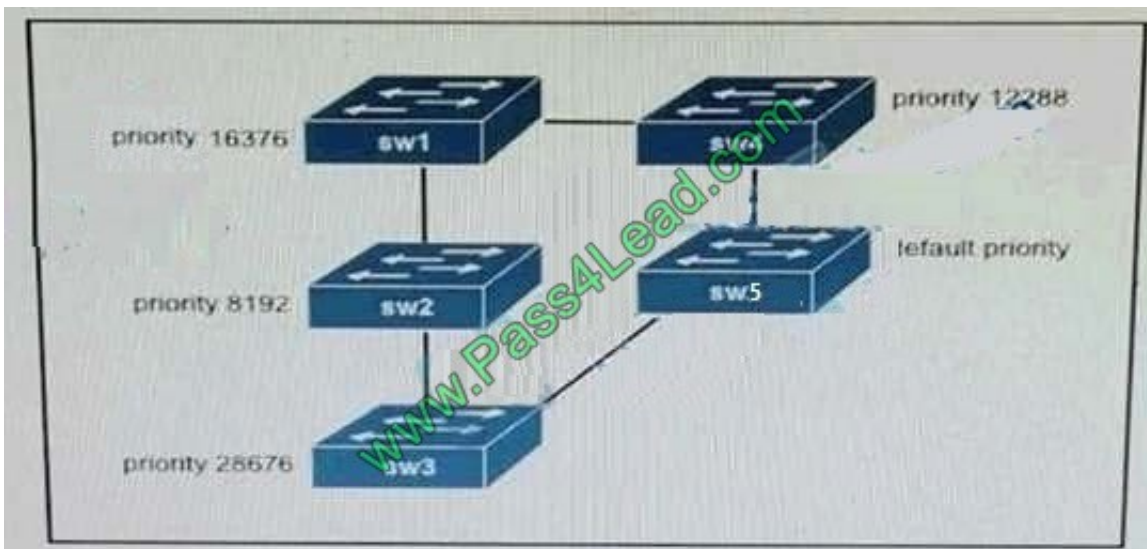
- A. intrusion prevention
- B. advanced malware protection (AMP)
- C. contentxsat blocker
- D. file control

Correct Answer: A

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### QUESTION 2

Refer to the exhibit.



If all switches in this environment are running PVSTP+, which switch is elected as the STP root switch when a new VLAN is added to the network?

- A. switch 5
- B. switch 2
- C. switch 4
- D. switch 1
- E. switch 3

Correct Answer: B

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### QUESTION 3

Based on the show spanning-tree vlan 200 output shown in the exhibit, which two statements about the STP process for VLAN 200 are true? (Choose two.)

```
Switch#show spanning-tree vlan 200
VLAN0200
Spanning tree enabled protocol ieee
Root ID          Priority      32968
                 Address      000c. ce29. ef00
                 Cost        19
                 Port        2 (FastEthernet0/2)
                 Hello Time   10 sec Max Age 20 sec Forward Delay 30 sec

Bridge ID        Priority      32968 (priority 32768 sys-id-ext 200)
                 Address      000c. ce2a. 4180
                 Hello Time   2 sec Max Age 20 sec Forward Delay 15 sec
                 Aging Time   300

Interface        Role STP Cost          Prio.Nbr Type
-----
Fa0/2            Root FWD 19             128.2   P2p
Fa0/3            Altn BLK 19             128.3   P2p
```

- A. BPDUs will be sent out every two seconds.
- B. The time spent in the listening state will be 30 seconds.
- C. The time spent in the learning state will be 15 seconds.
- D. The maximum length of time that the BPDU information will be saved is 30 seconds.
- E. This switch is the root bridge for VLAN 200.
- F. BPDUs will be sent out every 10 seconds.

Correct Answer: BF

### QUESTION 4

A network engineer has just deployed a non-Cisco device in the network and wants to get information about it from a connected device. Cisco Discovery Protocol is not supported, so the open standard protocol must be configured. Which protocol does the network engineer configure on both devices to accomplish this?

- A. IRDP
- B. LLDP
- C. NDP
- D. LLTD

Correct Answer: B

The Link Layer Discovery Protocol (LLDP) is a vendor-neutral link layer protocol in the Internet Protocol Suite used by

network devices for advertising their identity, capabilities, and neighbors on an IEEE 802 local area network, principally wired Ethernet. LLDP performs functions similar to several proprietary protocols, such as the Cisco Discovery Protocol (CDP). Reference: [http://en.wikipedia.org/wiki/Link\\_Layer\\_Discovery\\_Protocol](http://en.wikipedia.org/wiki/Link_Layer_Discovery_Protocol)

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#### QUESTION 5

Which two statements about RSPAN VLAN are true? (Choose two.)

- A. RSPAN VLAN must be configured in VLAN configuration mode using the remote-span command.
- B. RSPAN VLAN trunks can handle Spanning-Tree protocol, except for SPAN destination ports.
- C. RSPAN VLAN access ports can handle Spanning-Tree protocol in conjunction with SPAN destination ports.
- D. RSPAN VLAN does not support any protocols
- E. RSPAN VLAN traffic does not get flooded.

Correct Answer: AB

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#### QUESTION 6

Which component does the GLBP client cache stores for each host of a particular GLBP group?

- A. IP address
- B. MAC address
- C. VLAN
- D. Token ring
- E. DCSP

Correct Answer: B

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#### QUESTION 7

Which command do you use to configure EtherChannel guard feature?

- A. SW(config)# spanning-tree etherchannel guard misconfig
- B. SW(config)# portchannel etherchannel guard misconfig
- C. SW(config-if)# portchannel etherchannel guard misconfig
- D. SW(config-if)# spanning-tree etherchannel guard misconfig

Correct Answer: A

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**QUESTION 8**

Select and Place:

You have a VLAN implementation that requires inter-VLAN routing using Layer 3 switches. Drag the steps from the left to the right that should be part of the verification plan. Not all choices will be used.

Verify that VTP is pruning the proper access ports.	
Verify that there is inter-switch connectivity.	
Verify that the data and voice VLANs are NOT assigned a trunk's native VLAN.	
Verify that the needed switch virtual interfaces have been created.	
Verify that the VLAN ports are in promiscuous mode.	
Verify that the proper ports are assigned to the VLAN.	

Correct Answer:

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	Verify that the proper ports are assigned to the VLAN.
Verify that the VLAN ports are in promiscuous mode.	

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**QUESTION 9**

Which two statements about CDP are true? (Choose two.)

- A. CDP uses a TLV to advertise the native VLAN

- B. CDP is not supported with SNMP
- C. CDP is supported on Frame Relay sub interfaces.
- D. CDP runs on OSI layer 2
- E. CDP runs on OSI layer 1

Correct Answer: AD

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**QUESTION 10**

Refer to the exhibit If switch SW6 is operating VTP Server and the other devices have the same configuration as SW4, which statement about the VLANs network is True?



```
SW4# show run | include vtp
vtp mode client
vtp domain cisco
vtp domain ciscotest
vtp pruning
vtp version 3
```

- A. Traffic on VLANs 1 through 9 is flooded to all switches in the network.
- B. VLANs 1 through 101 are operational on all switch trunks.
- C. VLANs 1 through 9 are pruned on the link between SW1 and SW4.
- D. VLANs 1 through 101 are pruned on the link between SW1 and SW2.

Correct Answer: A

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**QUESTION 11**

HSRP Ferris Plastics, Inc. is a medium sized company, with an enterprise network (access, distribution and core switches) that provides LAN connectivity from user PCs to corporate servers. The distribution switches are configured to use HSRP to provide a high availability solution.

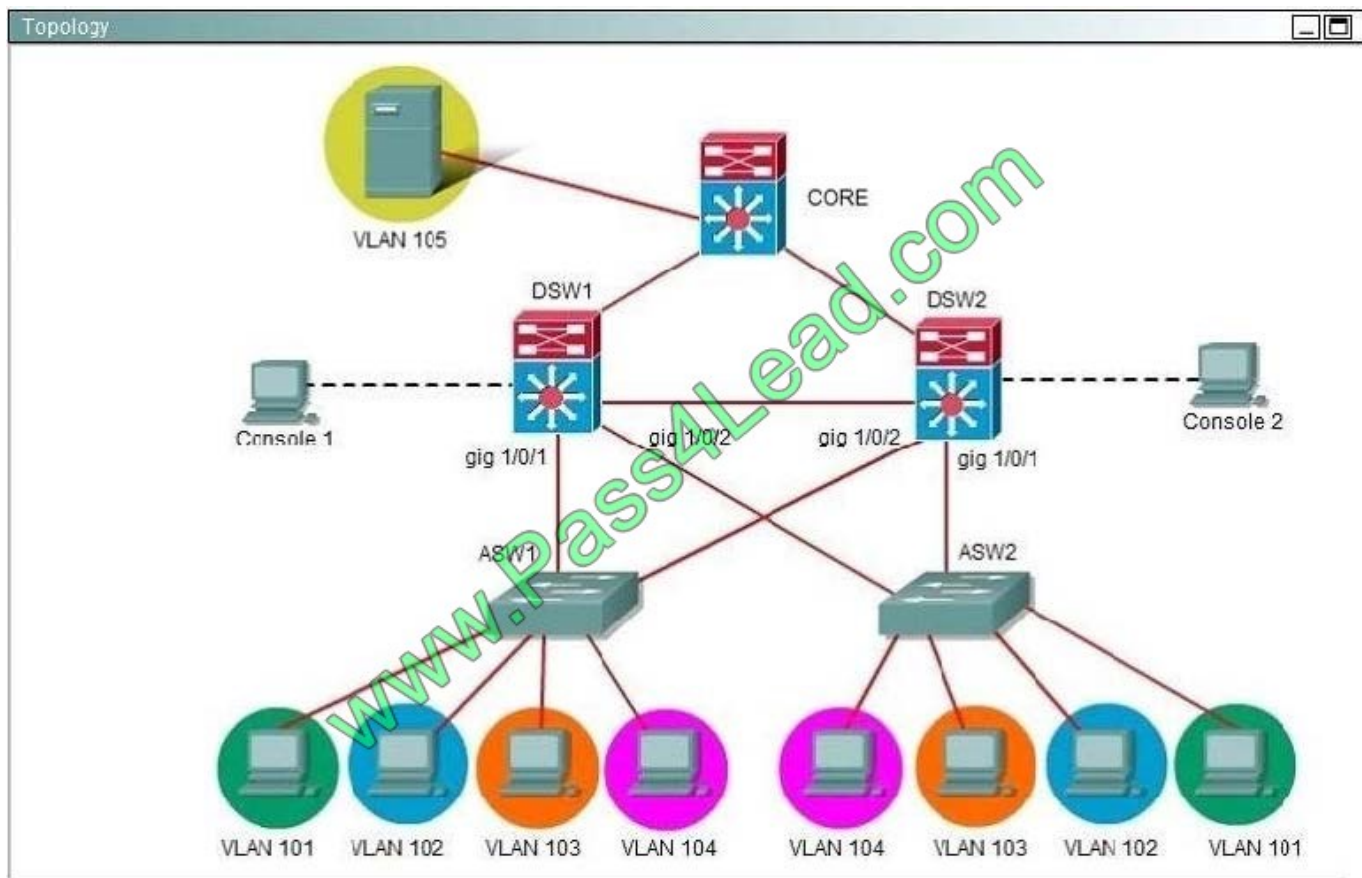
-DSW1 -primary device for VLAN 101 VLAN 102 andVLAN 105

-DSW2 - primary device for VLAN 103 and VLAN 104

- A failure of GigabitEthernet1/0/1 on primary device should cause the primary device to release its status as the primary device, unless GigabitEthernet1/0/1 on backup device has also failed. Troubleshooting has identified several issues. Currently all interfaces are up. Using the running configurations and show commands, you have been asked to investigate and respond to the following question.

```
interface Vlan104
ip address 192.168.104.1 255.255.255.0
standby 4 ip 192.168.104.254
standby 4 priority 150
standby 4 preempt
standby 4 track GigabitEthernet1/0/1 1

interface Vlan104
ip address 192.168.104.2 255.255.255.0
standby 4 ip 192.168.104.254
standby 4 priority 200
standby 4 preempt
standby 4 track GigabitEthernet1/0/1 55
```



What is the priority value of the VLAN 105 HSRP group on DSW2?

- A. 50
- B. 100
- C. 150
- D. 200

Correct Answer: B

Use "show stantby brief" command on console2. Very easy to see priority of Vlan105 is 100.

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**QUESTION 12**

Which two statements about native VLANs are true? (Choose two.)

- A. VLAN 1 and VLAN 1001 are native VLANs by default.
- B. The native VLAN is untagged over trunks.
- C. The native VLAN can be changed on a per port basis.
- D. Only one VLAN can be the native VLAN on a device.
- E. Cisco Discovery Protocol versions 1 and 2 can carry native VLAN information

Correct Answer: BC



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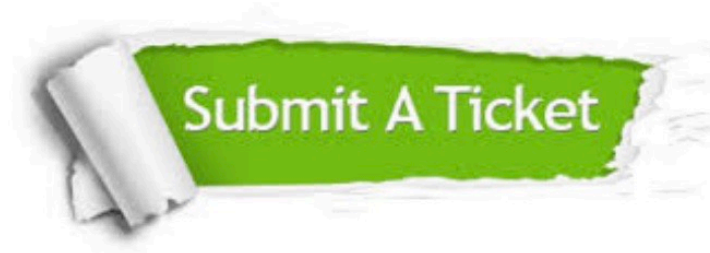
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