

HP0-Y52

Number: HP0-Y52
Passing Score: 800
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File Version: 5.0



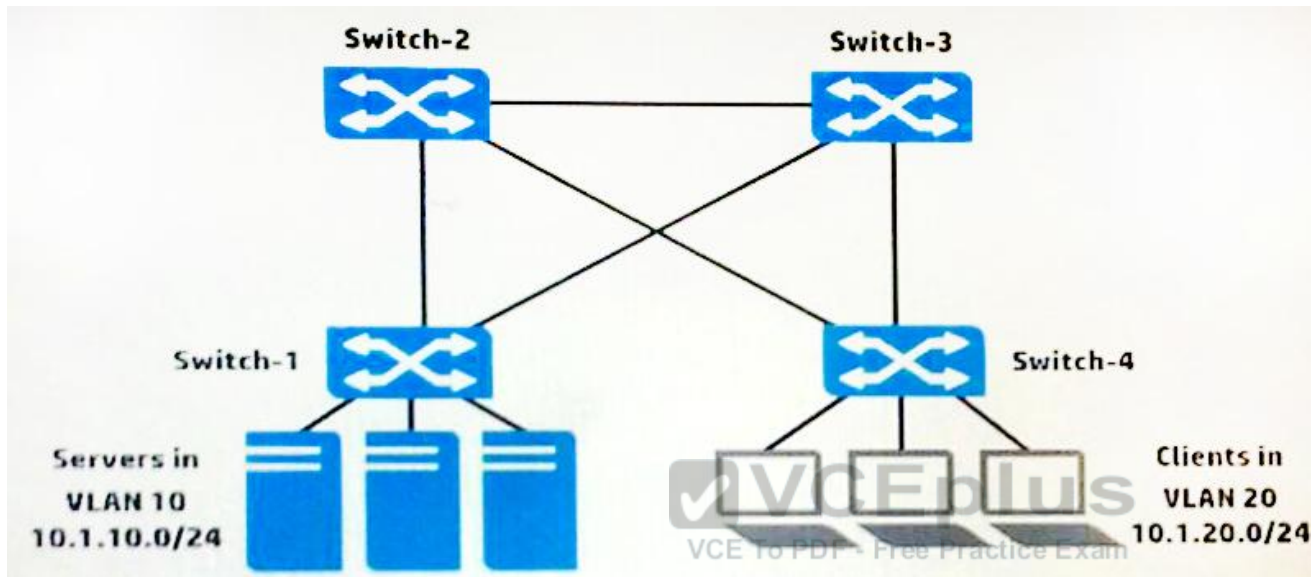
Applying HP FlexNetwork Fundamentals



Exam A

QUESTION 1

Refer to the exhibit.



The switches in the exhibit are all HP Comware switches that run Multiple Spanning Tree Protocol (MSTP).

The network administrator wants to ensure that each switch-to-switch link is in its own subnet. The administrator also wants to make sure that all of the links are available for routing during normal operation. How should the administrator configure the physical switch-to-switch interfaces to accomplish these goals?

- A. Configure them as trunk ports that permit VLANs 10 and 20.
- B. Configure them as any type of port, and make sure spanning tree is enabled on them.
- C. Configure them as route-mode ports.
- D. Configure them as hybrid ports that carry VLAN 10 and 20 as untagged.

Correct Answer: A

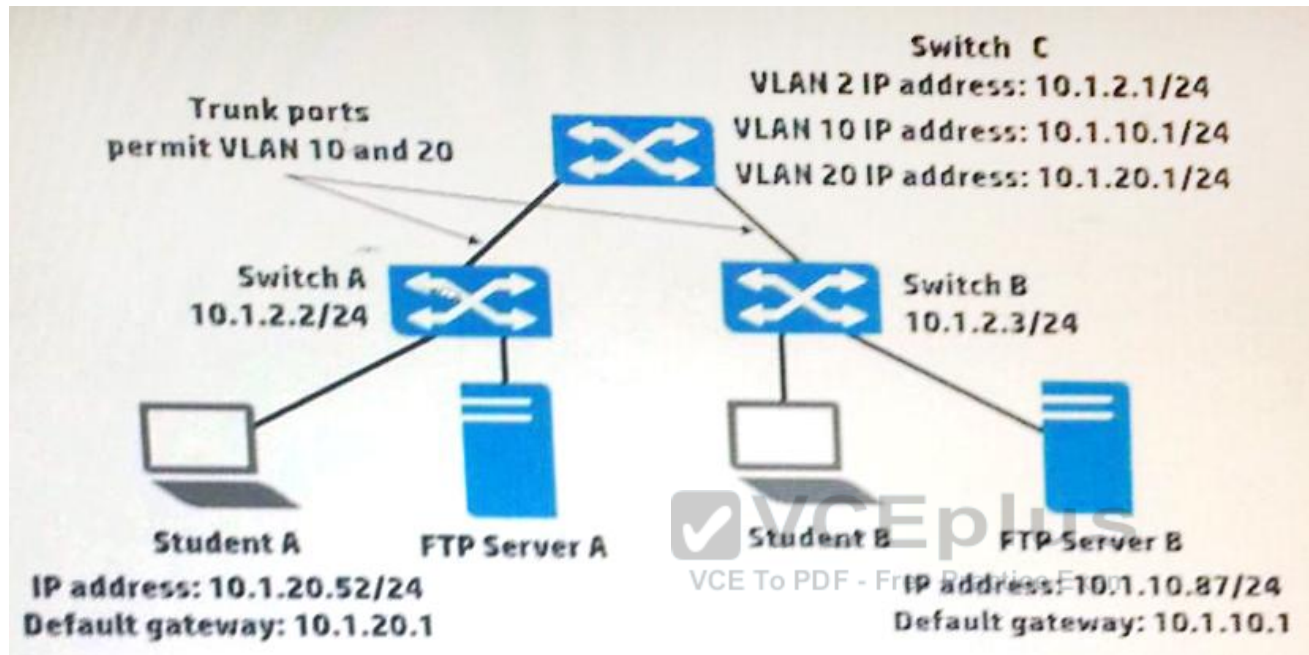
Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

Refer to the exhibit.



Assume that Student A's ARP table is empty. Student A is preparing to send an FTP packet to FTP Server B and needs to discover the proper destination MAC address. For which IP address does Student A send an ARP request?

- A. 10.1.10.1
- B. 10.1.10.87
- C. 10.1.2.2
- D. 10.1.20.1

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

Which HP software platform provides centralized network management, monitoring, and configuration of wired and wireless network infrastructure devices, as well as traffic monitoring, user management, and other capabilities?

- A. HP IntelligentManagement Center (IMC)
- B. HP Intelligent Resilient Framework (IRF)
- C. HP Virtual Cloud Networking (VCN)
- D. HP Virtual Connect FlexFabric

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

Which statement is true about wireless technologies?

- A. 802.11b/g uses an 802.11a-compatible frequency
- B. 802.11a has higher data rates than 802.11g does.
- C. 802.11n users MIMO technology to improve throughput
- D. 802.11a uses the less crowded 2.4 GHz range

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

A network administrator enters this command on an HP ProVision switch with IP routing enabled:

```
ip route 0.0.0.0/0 10.1.1.1 metric 10 distance 10
```

This is the only IP route to 0.0.0.0/0 on the switch. What is the effect?

- A. The switch uses this route for all traffic that does not match a specific route in its routing table.
- B. The switch uses this route for all traffic unless the traffic matches a route with a lower administrative distance than 10.

- C. The switch uses this route to route all traffic from 10.1.1.1.
- D. The switch uses this route for all traffic unless the traffic matches a route with a lower cost than 10.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

HOTSPOT

Match the description with the 802.11 standard. (Each option may be used only once.)

Hot Area:

Supports channel bonding

802.11n
802.11g
802.11a
802.11b

Supports data rates up to 54 Mbps and operates in the 2.4 GHz band

802.11n
802.11g
802.11a
802.11b



Supports data rates up to 54 Mbps and operates in the 5 GHz band

802.11n
802.11g
802.11a
802.11b

Supports only data rates up to 11 Mbps

802.11n
802.11g
802.11a
802.11b

Correct Answer:

Supports channel bonding

	▼
802.11n	
802.11g	
802.11a	
802.11b	

Supports data rates up to 54 Mbps and operates in the 2.4 GHz band

	▼
802.11n	
802.11g	
802.11a	
802.11b	



Supports data rates up to 54 Mbps and operates in the 5 GHz band

	▼
802.11n	
802.11g	
802.11a	
802.11b	

Supports only data rates up to 11 Mbps

	▼
802.11n	
802.11g	
802.11a	
802.11b	

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

A network administrator is managing an HP Comware switch from the CLI. Which action can the administrator only perform in User view?

- A. verifying connectivity with traceroute or ping tools
- B. creating a VLAN and assigning ports to it
- C. executing display commands
- D. viewing files located in flash memory

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



QUESTION 8

Refer to the exhibit.

```
Provision# show vlans ports 1
```

```
Status and Counters - VLAN Information - for ports 1
```

VLAN ID	Name		Status	Voice	Jumbo
-----	-----	+	-----	-----	-----
1	VLAN1		Port-based	No	No
10	VLAN10		Port-based	No	No
20	VLAN20		Port-based	No	No

A network administrator enters the command shown in the exhibit to check the VLANs on an HP ProVision switch interface. The administrator wants to discover which VLANs are tagged and untagged on the port. What can the administrator do to accomplish this?

- A. Enter the `show vlans ports 1` command but add `detail` at the end of the command.
- B. View all VLANs on the switch by entering the `show vlans` command without a VLAN ID.
- C. View the physical interface by entering the `show interface brief` command.
- D. Enter the `show interfaces all` command.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

Which HP device or port type can modify, read, and respond with frames that include 802.1Q VLAN tags?

- A. Comware *trunk* ports
- B. Comware *route-mode* ports
- C. ProVision *loopback* ports
- D. ProVision *untagged* ports

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

Refer to the exhibit.

```
<Comware> dir
Directory of cfa0:/
```

```
  0 drw-   6985954   Apr 26  2007 21:06:29  logfile
  1 -rw-   3141842   Apr 27  2007 04:37:17  main.app
  2 -rw-    1518    Apr 26  2007 12:05:38  config.cfg
  3 -rw-    2045    May 04  2007 15:50:01  backcfg.cfg
  4 -rwh     428    Apr 27  2007 16:41:21  hostkey
  5 -rwh     572    Apr 27  2007 16:41:31  serverkey
14605 KB total (1955 KB free)
```

```
<Comware> dir /all
Directory of cfa0:/
```

```
  0 drw-   6985954   Apr 26  2007 21:06:29  logfile
  1 -rw-   3141842   Apr 27  2007 04:37:17  main.app
  2 -rw-    1518    Apr 26  2007 12:05:38  config.cfg
  3 -rw-    2045    May 04  2007 15:50:01  backcfg.cfg
  4 -rwh     428    Apr 27  2007 16:41:21  hostkey
  5 -rwh     572    Apr 27  2007 16:41:31  serverkey
  6 -rw-   2737556   Oct 12  2007 01:31:44  [old.app]
14605 KB total (1955 KB free)
```

A network administrator is upgrading the operating system on an HP Comware switch. When copying the new image from a TFTP server to the flash of the switch, the process fails because there is not enough flash to store the new operating system. The new operating system is 3.2MB in size. The administrator then executes the commands shown in the exhibit above.

Which action should the administrator perform to solve this problem?

- A. Execute the `reset recycle-bin` command, and perform the TFTP transfer again.
- B. Execute the `clear flash` command, and perform the TFTP transfer again.
- C. Reformat flash, and perform the TFTP transfer again.
- D. Execute the `delete old.app` command, and perform the TFTP transfer again.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

A company wants a modular switch for the access layer at its main campus and for several branch offices. Which HP Switch Series is best suited for this role?

- A. HP 11900
- B. HP 12900
- C. HP 5900
- D. HP 5400R

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 12

Which methods can a network administrator use to upgrade the operating system of an HP ProVision switch? (Select two.)

- A. USB
- B. FTP
- C. SCP
- D. SFTP

Correct Answer: CD

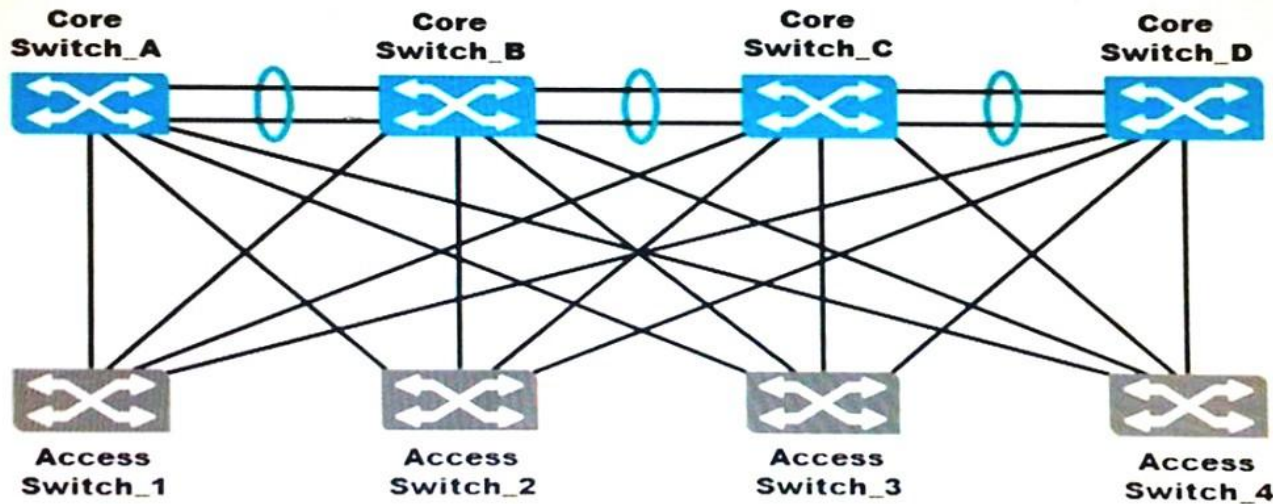
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Explanation

Explanation/Reference:

QUESTION 13

Refer to the exhibit.



The topology shown in this exhibit implements Multiple Spanning Tree Protocol (MSTP), where all the switches are in the same region.

How many MSTP instances, besides the Internal Spanning Tree (IST) or instance 0, does this network need in order to have effective load sharing on the uplinks from the access switches?

- A. two
- B. three
- C. four
- D. five

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

Which command can a network administrator execute on an HP Comware switch to manage configuration files?

- A. delete
- B. startup-default

- C. write file
- D. write memory

Correct Answer: B

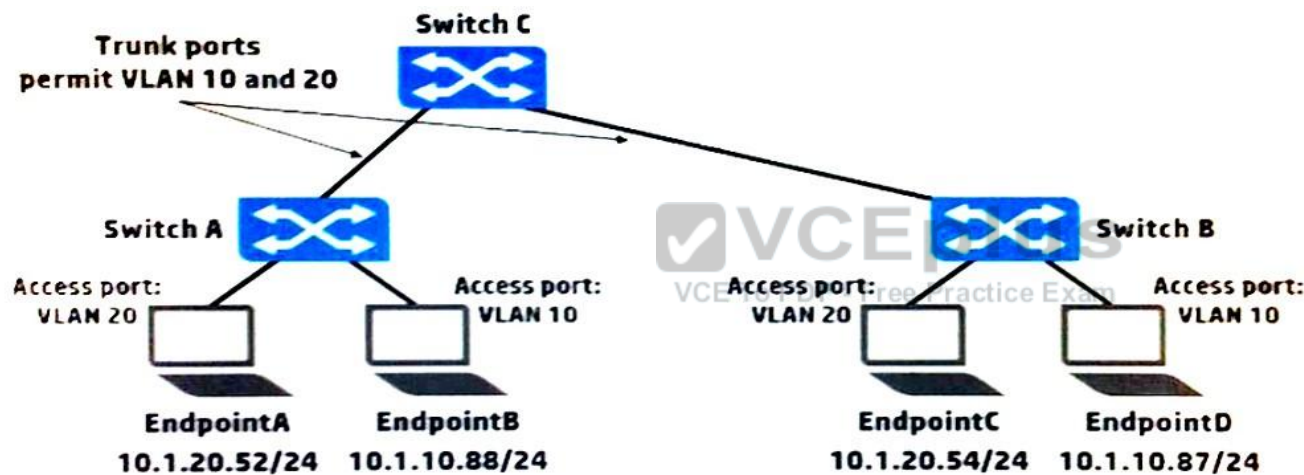
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Explanation

Explanation/Reference:

QUESTION 15

Refer to the exhibit.



Which endpoint or endpoints receive broadcast ARP requests sent by EndpointA?

- A. EndpointB, EndpointC, and EndpointD
- B. EndpointB only
- C. EndpointB and EndpointC only
- D. EndpointC only

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

Refer to the exhibits.

Exhibit 1

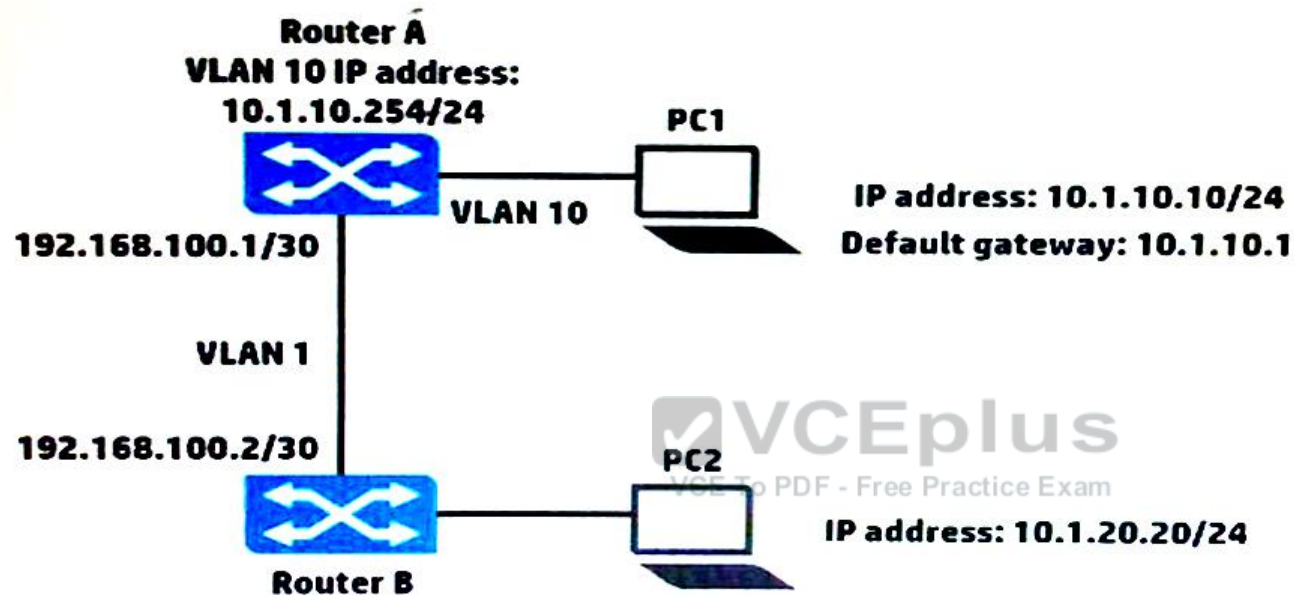


Exhibit 2

Router A IP routing table

Destination Mask	Proto	NextHop	Interface
10.1.10.0/24	Direct	10.1.10.254	vlan10
10.1.20.0/24	Static	192.168.100.2	vlan1
192.168.100.0/30	Direct	192.168.100.1	vlan1

PC1 cannot reach PC2. Based on the exhibits, what could be causing this error?

A. PC1 has the wrong IP address for its default gateway setting.

- B. Router A has a direct route, instead of a static route, to 10.1.10.0/24.
- C. The next hop address for the 10.1.20.0/24 route is incorrect.
- D. Router A has an invalid subnet mask for the VLAN 1 subnet.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

What does the `traceroute` command identify on an HP ProVision switch?

- A. each Layer 3 device between the switch and a destination
- B. the path to each router connected to the switch
- C. debug output tracing entries to the routing table
- D. each physical device between the switch and a destination

Correct Answer: B

Section: (none)

Explanation



Explanation/Reference:

Reference: <http://www.manualslib.com/manual/73005/Hp-Procurve-2520.html?page=488>

QUESTION 18

An HP ProVision switch is operating at its factory default settings. A network administrator connects the switch to a VLAN with a DHCP server. The switch-to-switch connection is carrying untagged traffic. The administrator wants to log in to the switch CLI using Telnet.

How should the administrator contact the switch and log in?

- A. Contact the switch at its DHCP-assigned IP address and log in with the default password *hp*.
- B. Contact the switch at its default IP address 192.168.1.1/24 and log in without entering a password.
- C. Contact the switch at its DHCP-assigned IP address and log in without entering a password.
- D. Contact the switch at its default IP address 192.168.1.1/24 and log in with the default password *hp*.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:**QUESTION 19**

Which statement correctly defines the management capabilities of an HP MultiService Mobility (MSM) access point (AP)?

- A. The AP only supports controlled mode.
- B. The AP operates in autonomous mode by default, but can be changed to controlled mode.
- C. The AP operates in controlled mode by default, but can be changed to autonomous mode.
- D. The AP only supports autonomous mode.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:**QUESTION 20**

Two switches are members in an active Intelligent Resilient Framework (IRF) virtual device. A network administrator joins a third switch to the IRF virtual device. Which switch is now the master?

- A. The current master of the IRF virtual device always remains the master.
- B. The switch with the lowest member ID always becomes the master.
- C. The switch with the lowest priority value always becomes the master.
- D. The switch with the highest priority value always becomes the master.

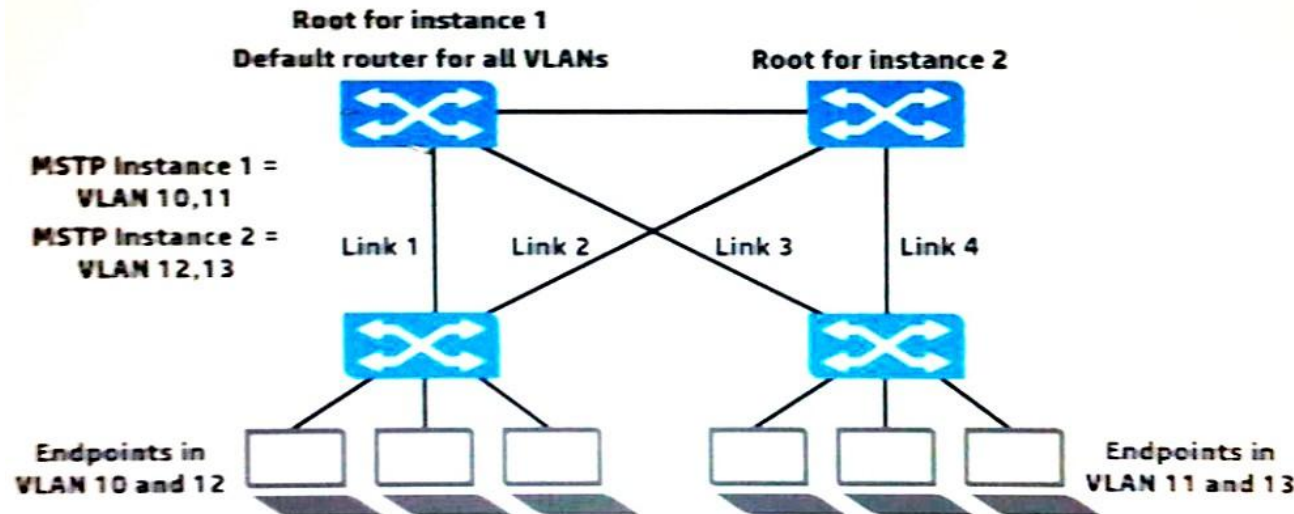
Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:**QUESTION 21**

Refer to the exhibit.



The network administrator is setting up Multiple Spanning Tree Protocol (MSTP) with the settings shown in the exhibit. All the switches are in the same region. The administrator has requested help determining which VLANs each switch-to-switch link should carry. What is a recommendation for this topology?

- A. To prevent disruptions during link failure, Links 1-4 should carry VLANs 10-13.
- B. To optimize forwarding, Links 1 and 2 should only carry VLANs 10 and 12, and Links 3 and 4 should only carry VLANs 11 and 13.
- C. To ensure compatibility with MSTP, Links 1-4 should be untagged in VLAN 1 and have no tagged VLAN assignments.
- D. To optimize forwarding, Links 1 and 3 should only carry VLANs 10 and 11, and Links 2 and 4 should only carry VLANs 12 and 13.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

Refer to the exhibit.

```
<Comware> display link-aggregation verbose
```

```
Loadsharing Type: Shar -- Loadsharing, NonS -- Non-Loadsharing
Port Status: S -- Selected, U -- Unselected
Flags: A -- LACP_Activity, B -- LACP_Timeout, C -- Aggregation,
       D -- Synchronization, E -- Collecting, F -- Distributing,
       G -- Defaulted, H -- Expired
```

```
Aggregation Interface: Bridge-Aggregation1
Aggregation Mode: Dynamic
Loadsharing Type: Shar
System ID: 0x8000, d07e-28ce-c94f
```

```
Local:
```

Port	Status	Priority	Oper-Key	Flag
GE1/0/3	S	32768	1	{ACDEFG}
GE1/0/4	U	32768	1	{ACG}

```
<-output omitted->
```

A network administrator has implemented link aggregation on an HP Comware switch using LACP. The two ports are functioning at the data link layer between the Comware switch and its neighboring switch. The administrator executes the `display link-aggregation verbose` command and notices the flags shown in the exhibit.

What does this indicate?

- A. The links are up, but both links are blocked by LACP.
- B. The links are up, but are blocked because they are using duplicate operational keys.
- C. The links are up, but LACP negotiation has failed on them.
- D. The links are up, but LACP is not configured on this link aggregation.

Correct Answer: D

Section: (none)

Explanation**Explanation/Reference:****QUESTION 23**

Refer to the exhibit.

```
[Comware] telnet server enable
[Comware] user-interface vty 0 15
[Comware-ui-vty0-15] authentication-mode password
[Comware-ui-vty0-15] set authentication password cipher password1
[Comware-ui-vty0-15] user privilege level 1
[Comware-ui-vty0-15] quit
[Comware] super authentication-mode local
[comware] super password level 3 cipher password2
```

An HP Comware switch is using its default user-interface settings. The network administrator then enters the commands shown in the exhibit. What correctly describes how an admin user must now log in?

- A. When the admin user logs in to the console port, the admin user must enter either a password of *password1* or *password2*.
- B. When the admin user logs in using Telnet, the admin user must enter either a password of *password1* or *password2*.
- C. When the admin logs in using Telnet, the admin user must enter a password of *password1* and is given level 1 privileges.
- D. When the admin user logs in to the console port, the admin user must enter a password of *password1* and is given level 3 privileges.

Correct Answer: D

Section: (none)

Explanation**Explanation/Reference:****QUESTION 24**

Which term refers to aggregated links on HP ProVision switches?

- A. smart linking
- B. meshing
- C. EtherChannels
- D. trunking

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: ProCurve uses the term “Trunk” to describe a group of aggregated links. HP Port Trunking and LACP serve to allow several physical links to operate as one logical link.

QUESTION 25

Which credential is required to validate SNMPv2c write requests?

- A. Community string
- B. Scheme
- C. MD5 authkey
- D. AAA authentication

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 26

A customer is implementing an access layer solution with four HP Comware switches in an Intelligent Resilient Framework (IRF) virtual device or domain. The customer expects to add two additional switches of the same model and would like to add them to the existing IRF virtual device. What must the customer verify?

- A. that the IRF virtual device has spanning tree enabled on it
- B. that the new switches are both assigned the same member ID as the master of the existing IRF virtual device
- C. that the IRF virtual device is using a daisy chain topology to provide better resilience
- D. that the switch model supports at least six switches in an IRF virtual device

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

A tagged frame arrives on a switch port that is not a tagged member of the VLAN indicated by the frame ID. What do fundamental VLAN operating rules require the switch to do with that frame?

- A. Ignore the VLAN tag and forward the frame, based on destination MAC address.
- B. Forward a copy of the frame to the default gateway.
- C. Attempt best effort delivery by flooding a copy of the frame to all other VLANs.
- D. Drop the frame.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

A network administrator wants to disable physical interfaces 13-24 on an HP ProVision switch. How can the administrator do this?

- A. Create a named port group for interfaces 13-24. Then disable the named port group.
- B. Use the `interface <ID> disable` command. Specify 13-24 for the ID.
- C. Assign the range of interfaces to a VLAN. Then, disable the VLAN.
- D. Create a named range for interfaces 13-24. Then, disable the named range.

Correct Answer: D

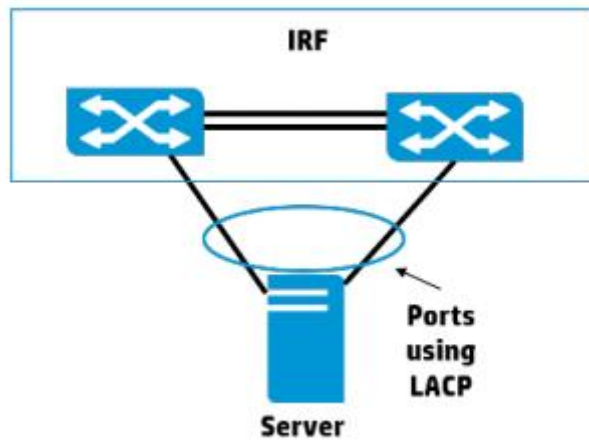
Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

Refer to Exhibit.



The server shown in the exhibit requires redundant links, and The link aggregation should use LACP. What should the administrator configure on the 1RF virtual switch?

- A. a bridge aggregation interface that uses static link aggregation mode
- B. a bridge aggregation interface that uses dynamic link aggregation mode
- C. two interfaces that are set to trunk for the port-link type
- D. two interfaces that are set to hybrid for the port-link type

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

Refer to the exhibit.

```
Provision-1# show version
Image stamp:
/ws/swbuilddm/KA_rel_irvine_qaoff/code/build/tam(swbuilddm_KA_rel_irvine_qaoff_re
1_irvine)
Mar 13 2013 11:26:17
KA.15.10.0011
542
Boot Image: Primary
```

What can a network administrator determine from the output in the exhibit?

- A. The switch will boot the primary software on its next boot.
- B. The switch has no software stored in the secondary slot.
- C. The switch is using the config file in the primary slot for its startup-config.
- D. The switch booted the primary software on its previous boot.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

Refer to the Exhibit.



A network administrator needs to configure DHCP on SwitchA. Assume that SwitchA is an HPE Comware switch and is using the default settings for DHCP. The administrator configures the following information:

```
[SwitchA] dhcp relay server-group 1 ip 10.1.1.1
[SwitchA] interface vlan-interface 1
[SwitchA-Vlan-interface1] dhcp select relay
[SwitchA-Vlan-interface1] dhcp relay server-select 1
[SwitchA-Vlan-interface1] quit
```

The administrator then has the DHCP client try to acquire addressing information, but the process fails. What should the administrator do to solve this problem?

- A. Execute the routing command on SwitchA.
- B. Execute the dhcp enable command on SwitchA.

- C. Configure DHCP relay on SwitchB.
- D. Enable DHCP Snooping on SwitchA.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

A network administrator needs to restrict access to the console port of an HPE Comware switch. When a user connects to the console port and opens a terminal session, the switch should prompt the user for a password. How should the administrator configure user interfaces on the Comware switch?

- A. Set the authentication mode to password on the VTY 0 15 interfaces and then set the password on the VTY 0 15 interfaces.
- B. Set the authentication mode to scheme on the VTY 0 15 interfaces and then set the password globally.
- C. Set the authentication mode to password on the AUX 0 interface and then set the password on the AUX 0 interface.
- D. Set the authentication mode to scheme on the AUX 0 interface and then set the password globally.

Correct Answer: C

Section: (none)

Explanation



Explanation/Reference:

QUESTION 33

An administrator is configuring OSPF on an HP ProVision switch. What is one of the steps that the administrator must take?

- A. The administrator must create an OSPF area before assigning a VLAN interface to that area.
- B. The administrator must set a global router ID before enabling OSPF.
- C. The administrator must set an OSPF router ID before enabling OSPF.
- D. The administrator must assign a VLAN interface its IP address before specifying the corresponding network in an OSPF area.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34

What is one difference between the 802.11g and 802.11n standards?

- A. 802.11g can operate on the 5Ghz band.
- B. 802.11n can operate on the 2.4Ghz band.
- C. 802.11n supports multiple spatial streams with MIMO.
- D. 802.11g supports channel bonding of multiple channels.

Correct Answer: C

Section: (none)

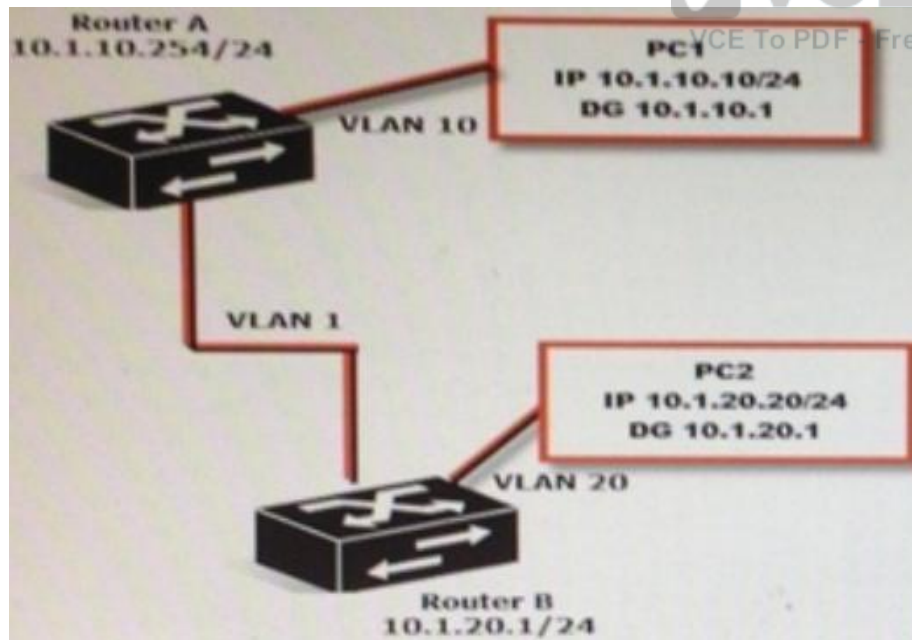
Explanation

Explanation/Reference:

QUESTION 35

Refer to the exhibit.

Exhibit: Network diagram and routing tables



Router A

Destination/Mask	Proto	NextHop	Interface
10.1.10.0/24	Direct	10.1.10.254	vlan10
10.1.20.0/24	Static	192.168.100.2	vlan1
192.168.100.9/30	Direct	192.168.100.1	vlan1

Router B

Destination/Mask	Proto	NextHop	Interface
10.1.10.0/24	Direct	192.168.100.1	vlan1
10.1.20.0/24	Static	10.1.20.1	vlan20
192.168.100.9/30	Direct	192.168.100.2	vlan1

Why does traffic from PC1 fail to reach PC2?

- A. Only static routes have been enabled
- B. The subnet mask is incorrect on the routers
- C. There is no route back from router B
- D. A default gateway setting is incorrect



Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

Refer to the Exhibit.

Exhibit: HP Comware switch configuration.

```
[Comware] vlan 100
[Comware-vlan100] quit
[Comware] vlan 200
[Comware-vlan200] quit
[Comware] interface g1/0/22
[Comware-GigabitEthernet1/0/22] port link-type trunk
[Comware-GigabitEthernet1/0/22] port trunk permit vlan 100 200
[Comware-GigabitEthernet1/0/22] quit
```

A network administrator configures the Comware switch, as shown in the exhibit. The network administrator then connects a cable from the Comware's g1/0/22 interface to port 5 on an HP ProVision switch. Which configuration will successfully establish connection for VLAN 1, 100, and 200 between the two switches?

- A. ProVision (config) # vlan 100
ProVision (config) # vlan 200
ProVision (config) # vlan 100 tagged 5
ProVision (config) # vlan 200 tagged 5
- B. ProVision (config) # vlan 100
ProVision (config) # vlan 200
ProVision (config) # interface 5 tagged 100 200
- C. ProVision (config) # vlan 100
ProVision (config) # vlan 200
ProVision (config) # interface 5 tagged 100
ProVision (config) # interface 5 tagged 200
- D. ProVision (config) # vlan 100 200
ProVision (config) # vlan 100 200 tagged 5

Correct Answer: A

Section: (none)

Explanation



Explanation/Reference:

QUESTION 37

Which HP solution delivers automated virtual machine orchestrator, automatic synchronization of network connectivity information, and visibility to performance of wired and wireless users?

- A. Unified Wired-WLAN modules and switches
- B. Intelligent Management Center (IMC)
- C. Virtual Connect FlexFabric
- D. Intelligent Resilient Framework

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://h17007.www1.hp.com/docs/mark/4AA3-4496ENW.pdf>

QUESTION 38

Which method of link aggregation do both HP ProVision and Comware switches support?

- A. Static LACP
- B. Fast Ethernet
- C. Dynamic LACP
- D. Distributed Trunking

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 39

What is a valid reason to choose an 802.11a wireless implementation?

- A. It supports a large range (distance) from the AP at a given data speed
- B. It has fewer available channels than 802.11b/g, enabling easier deployment
- C. It has transmission speed higher than 802.11n
- D. It will not interface with an 802.11b/g installation.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

A customer has an HP ProVision switch capable of Layer 3 forwarding; however, Layer 3 forwarding is disabled. The switch has an IP address in the management VLAN, where the default gateway is 10.1.1.1, which ProVision command should the network administrator use so the ProVision switch can access the Intelligent Management Center (IMC) server in a different VLAN?

- A. IP default-gateway 10.1.1.1
- B. IP route 0.0.0.0 255.255.255.255 10.1.1.1
- C. Default-route 10.1.1.1
- D. IP route 0.0.0.0 0.0.0.0 10.1.1.1

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

A default route is a special static route that applies to all traffic. Typically, when the router receives a packet that it does not know how to forward, it drops it. A default route allows the router to forward all such packets toward the destination most likely to be able to route them.

To configure a default route, enter a route to a destination address of all zeros with an all-zero subnet mask. The all-zero subnet mask indicates to the router that a packet's IP address does not have to match any of the destination address bits in order for the route to be valid. Because the router always matches traffic to the most specific route, it will only use the default route for traffic that would otherwise be dropped.

To configure the default route, move to the global configuration mode context and enter this command:

Syntax: ip route 0.0.0.0 [0.0.0.0 | /0] <next hop A.B.C.D | forwarding interface ID>

[<administrative distance>]

The ProCurve Secure Router allows you to enter the default route in CIDR notation.

Reference: <ftp://ftp.hp.com/pub/networking/software/B-C11-Routing.pdf>

QUESTION 41

On an HP Comware switch, which view must an administrator access in order to execute the debug command?

- A. Manager
- B. Operator
- C. System
- D. User



Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42

An HP Provision switch has port A1 connected to port g1/0/1 of an HP Comware switch. The ProVision port has the following configuration: vlan 1 untag A1 vlan 10 tag A1 vlan 20 tag A1

Which Comware configuration will allow the three VLANs to successfully pass traffic between the two switches?

- A. interface g1/0/1
port link-type trunk
port trunk permit vlan 1 10 20
- B. interface g1/0/1 port trunk encapsulation dot1q

```
port trunk native vlan 1  
port trunk permit vlan 1 10 20
```

- C. interface g1/0/1 port trunk
port trunk
permit auto-vlan
- D. interface g1/0/1 port trunk
port trunk
permit auto-vlan

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43

When adding a new member to an existing IRF domain, which of the following must you perform first?

- A. Define the IRF priority.
- B. Create the IRF logical port.
- C. Define the IRF domain name.
- D. Define the IRF member number.



Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44

Which statement is true concerning spanning tree protocols and HP switches?

- A. ProVision switches use non-standard default cost values
- B. Comware switches have spanning tree enabled, by default
- C. ProVision switches, by default, auto-sense edge ports
- D. Comware switches use their serial number as the switch identifier in the bridge ID

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

What is the maximum number of active links supported between a device and HP ProVision switches when distributed trunking is used to connect the device to the ProVision switches?

- A. Two
- B. Four
- C. Six
- D. Eight

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 46

Which ProVision configuration includes 10.0.3.0/24, which represents VLAN 30 in OSPF area 0?

- A. vlan 30 ip ospf area 0
- B. vlan 30 area 0
- C. interface vlan 30 ip ospf area 0
- D. router ospf area 0 vlan 30

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

An HP switch learns identical valid routes with different protocols. How does the switch choose which route to add to its IP routing table?

- A. It adds the route with the highest administrative distance, or route preference.

- B. It adds the route with the highest cost.
- C. It adds the route with the lowest cost.
- D. It adds the route with the lowest administrative distance, or route preference.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48

A network administrator wants an HP switch to use an IP address that is always up for its Open Shortest Path First (OSPF) router ID. Which address meets this requirement?

- A. An IP address configured as the global management address
- B. An IP address on the interface for the default VLAN, which is typically VLAN
- C. An IP address on the VLAN 1 interface
- D. An IP address on a loopback interface

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



QUESTION 49

What is one reason to access the extended boot menu on an HP Comware switch?

- A. To access the switch CLI when you have forgotten the password
- B. To set up the switch to be managed by HP Intelligent Management Center (IMC).
- C. To configure the switch initial IP address settings
- D. To configure the switch to implement Intelligent Resilient Framework (IRF)

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

How does Open Shortest Path First (OSPF) help enterprises meet their high availability requirements, compared to RIP?

- A. OSPF is usually easier to troubleshoot if problems occur
- B. OSPF has a resilient, non-hierarchical design
- C. OSPF provides faster convergence.
- D. OSPF uses less CPU during routing updates

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 51

What is the purpose of a management VLAN on an HP Provision switch?

- A. To prevent IP addresses from being configured on any VLANs other than the management VLAN
- B. To provide an administrative-only marker, label, or alias for the VLAN where IMC is installed
- C. To identify a specific VLAN as the only VLAN from which users can connect to the switch management interface
- D. To limit remote access connections by specifying the IP addresses that can establish connections

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 52

A network administrator establishes an aggregated link between an HP Comware and ProVision switch. VLAN 1 is untagged and VLANs 2 and 3 are tagged. The administrator configures these commands on the Comware switch:

```
interface bridge-aggregation 1
  quit
interface g1/0/1
  port link-aggregation group 1
  quit
interface g1/0/2
  port link-aggregation group 1
  quit
interface bridge-aggregation 1
  port link-type trunk
  port trunk permit vlan all
  quit
```

The administrator configures these commands on the ProVision switch:

```
trunk 1-2 trk1 lacp
vlan 2 tagged trk1
vlan 3 tagged trk1
```



Some of the links in the aggregated link become blocked. VCE To PDF - Free Practice Exam

Which Comware configuration should the administrator apply to the Comware switch to resolve this issue?

- A. interface bridge-aggregation 1
link-aggregation mode dynamic
- B. interface bridge-aggregation 1
link-aggregation type lacp dynamic
- C. interface bridge-aggregation 1
link-aggregation mode static
- D. interface bridge-aggregation 1
link-mode type lacp

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 53

Which security benefit does SNMPv3 offer that SNMPv2 does not offer?

- A. Data integrity
- B. SSL encryption
- C. RADIUS groups
- D. Scopes

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54

A network administrator deletes old files in the flash file system of an HP Comware switch. The administrator then notices that the amount of free space available has not changed. Which command must the administrator execute to free up the space from deleted files?

- A. `reset recycle-bin`
- B. `recycle-bin cleanup`
- C. `cleanup recycle-bin`
- D. `recycle-bin empty`



Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 55

In the HP Software-defined Networking (SDN) architecture, what connects the Application layer to the physical device or Infrastructure layer?

- A. HP Network Automation
- B. HP SDN Controller
- C. HP IMC Virtual Network Manager (VNM)
- D. HP IMC SDN Manager

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 56

Which HP solution provides network optimization and automated network provisioning to its customers?

- A. Intelligent Management Center NTA
- B. FlexNetwork Architecture
- C. Intelligent Resilient Framework
- D. Software-defined Networking

Correct Answer: D

Section: (none)

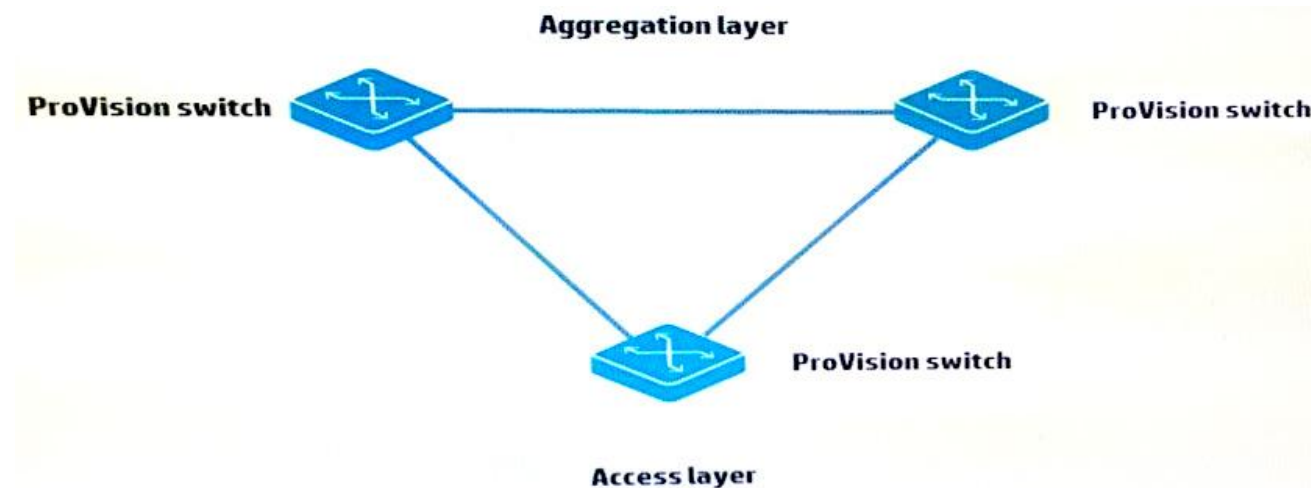
Explanation

Explanation/Reference:



QUESTION 57

Refer to the exhibit.



Based on the topology shown in the exhibit, which symptom does a network administrator see if the HP switches are in their factory default states?

- A. Mislearned MAC addresses
- B. Unicast storms
- C. Multiple ARP requests
- D. Layer 3 loop

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 58

Refer to the exhibit.

```
[Comware] display ip routing-table
Routing Tables: Public
Destinations : 7      Routes : 7
Destination/Mask    Proto   Pre  Cost   NextHop    Interface
10.2.0.0/17         OSPF    10   110    10.1.1.5   Vlan3
10.2.64.0/19        OSPF    10   120    10.1.1.5   Vlan3
10.2.192.0/18       OSPF    10   40     10.1.1.13  Vlan5
10.2.64.0/18        OSPF    10   130    10.1.1.13  Vlan5
10.2.128.0/17       OSPF    10   30     10.1.1.5   Vlan3
<-output omitted->
```

Examine the partial HP switch output shown in the exhibit. Based on this output, if the switch receives a packet with a destination IP address of 10.2.90.87, which entry in the routing table would the switch use to forward the packet?

- A. 10.2.128.0/17
- B. 10.2.0.0/17
- C. 10.2.64.0/19
- D. 10.2.64.0/18

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:**QUESTION 59**

Refer to the exhibits.

Exhibit 1

```
Switch-C# show vlan 1
Status and Counters - VLAN Information - VLAN 1
VLAN ID : 1
Name : VLAN1
Status : Port-based
Voice : No
Jumbo : No
```

Port Information	Mode	Unknown VLAN	Status
1	Untagged	Learn	Up
2	Untagged	Learn	Up

Exhibit 2

```
Switch-C# show vlan 2
Status and Counters - VLAN Information - VLAN 2
VLAN ID : 2
Name : VLAN2
Status : Port-based
Voice : No
Jumbo : No
```

Port Information	Mode	Unknown VLAN	Status
1	Tagged	Learn	Up
2	Tagged	Learn	Up

A network administrator executes the `show vlan` commands and sees the output shown in the exhibits. How must the administrator configure a connected port on an HP Comware switch?

A. as a trunk port

- B. as an access port
- C. as an untagged port
- D. as a mixed port

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 60

A network administrator configures several HP Comware switches to be part of a single Intelligent Resilient Framework (IRF) virtual device. What is correct about the domain and member IDs in this configuration?

- A. The switches have different domain IDs and different member IDs.
- B. The switches have the same domain ID and the same member ID.
- C. The switches have the same domain ID and different member IDs.
- D. The switches have different domain IDs and the same member ID.

Correct Answer: C

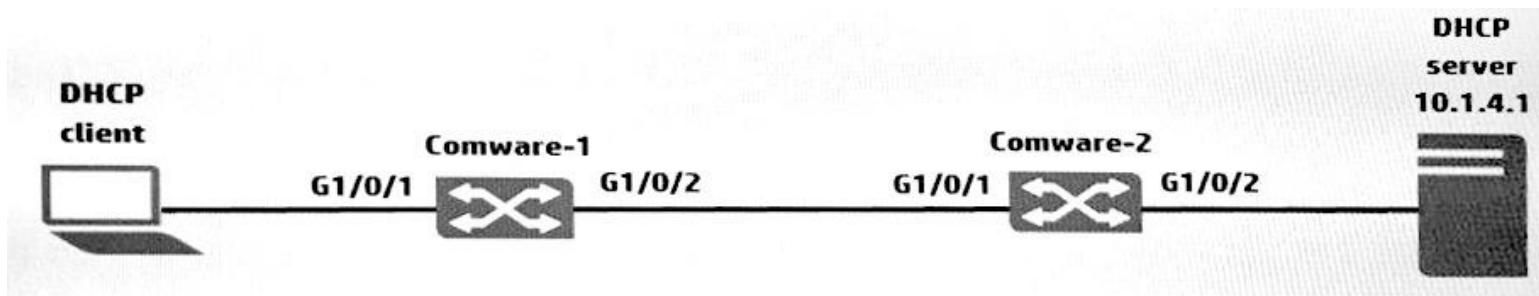
Section: (none)

Explanation

Explanation/Reference:

QUESTION 61

Refer to the exhibit.



The physical interfaces for Comware-1 and Comware-2 switches in the exhibit are configured in routed mode and OSPF. Both switches have the three subnets in their routing tables. The administrator wants to use DHCP to assign addressing information to the users. Based on the exhibit, where should the administrator configure DHCP relay?

- A. Comware-1, G1/0/2
- B. Comware-1, G1/0/1
- C. Comware-2, G1/0/2
- D. Comware-2, G1/0/1

Correct Answer: B

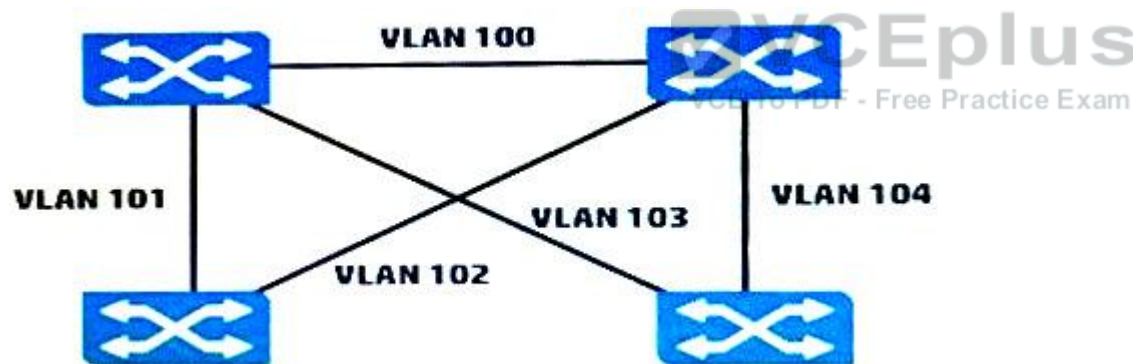
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Explanation

Explanation/Reference:

QUESTION 62

Refer to the exhibit.



The switches in the exhibit are all HP ProVision switches that run Multiple Spanning Tree Protocol (MSTP).

The network administrator wants all of the switch-to-switch links shown in the exhibit to be available for forwarding routed traffic. What should the administrator do to accomplish this?

- A. Configure the switch-to-switch ports as MSTP auto-edge ports.
- B. Configure link-keepalive on the switch-to-switch ports.
- C. Configure BPDU filters on the switch-to-switch ports.
- D. Configure links on a switch as a standard link aggregation.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 63

Where is priority information stored in an Ethernet frame?

- A. 802.1Q VLAN tag
- B. IP Precedence field
- C. DSCP field
- D. TOS tag

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 64

Which HP Comware term defines the untagged VLAN on a trunk port that is commonly used for network management traffic?

- A. default VLAN
- B. port VLAN identifier
- C. management VLAN
- D. access VLAN tag

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 65

A network administrator adds a new VLAN in a campus network, VI.AN 120. The administrator needs to set up a DHCP scope for this VLAN. The scope will include an IP address for DHCP clients and a default gateway address. An HP Comware aggregation layer switch acts as a DHCP server for this VLANs at the access layer. The administrator configures this on the Comware switch for the new DHCP scope:

```
dhcp server ip-pool 120
    network 10.1.120.0 24
    gateway 10.1.120.254
    expired 1 day
quit
dhcp server forbidden-ip 10.1.120.250 10.1.120.254
dhcp server ping packets 2
dhcp server ping timeout 750
```

Based on this configuration, what else must the administrator configure to make the pool available to DHCP clients that send requests in VLAN 120?

- A. dhcp vlan 120
- B. dhcp server ip pool 120
vlan 120
- C. dhcp enable
- D. dhcp server vlan 120

Correct Answer: C

Section: (none)

Explanation



Explanation/Reference:

QUESTION 66

A company requires switches to use Multiple Spanning Tree Protocol (MSTP) instead of Rapid Spanning Tree Protocol (RSTP), so that the switches can forward traffic on more than one switch-to-switch link. How does the administrator set up the solution to meet this requirement?

- A. Configure every switch with a unique bridge priority in the IST, which is also called spanning tree instance 0.
- B. Ensure that switches use the 802.3t standard costs instead of the legacy costs.
- C. Set the same spanning tree cost on all redundant links on a switch.
- D. Map different VLANs to different instances, and make a different switch root bridge in each instance.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 67

A network administrator configures OSPF in an HP ProVision based network. The administrator is concerned that a rogue device might connect to an access layer switch and introduce OSPF routes to the company's routing topology.

The access VLANs do not contain additional routers.

Which configuration should the administrator apply for these access VLANs to prevent them from forming an adjacency with rogue devices?

- A. `router ospf`
 `no vlan <VLAN-ID> neighbor-adjacency`
- B. `route spf`
 `ip silent-vlan <VLAN-ID>`
- C. `router ospf passive-vlan <VLAN-ID>`
- D. `vlan <VLAN-ID> ip ospf passive`

Correct Answer: D

Section: (none)

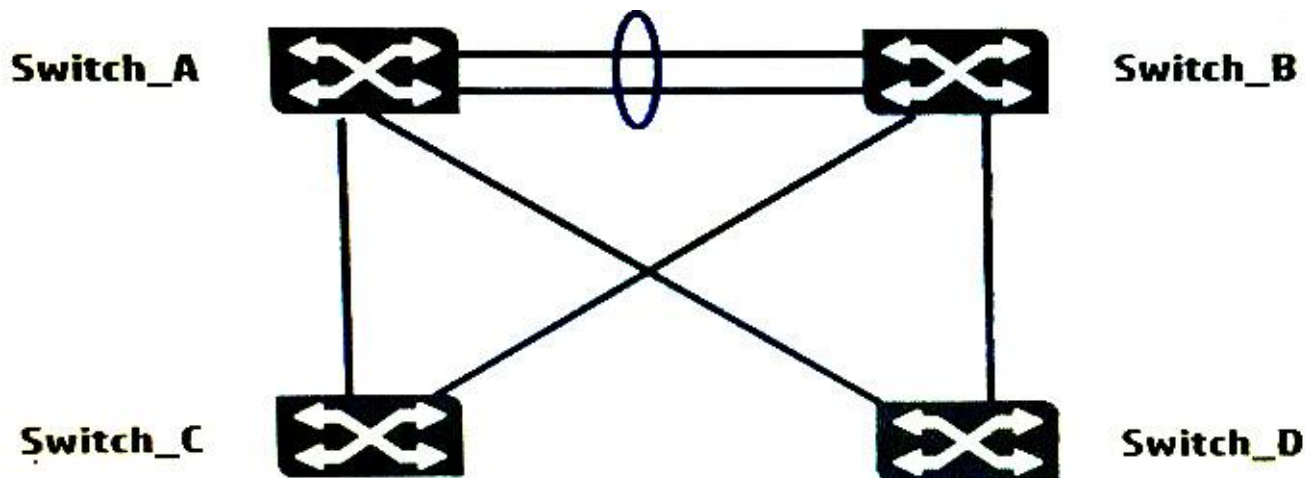
Explanation

Explanation/Reference:



QUESTION 68

Refer to the exhibit.



All four switches run MSTP. Switch_A, Switch_B, and Switch_C are configured with this MSTP information:

- Config name = "Region 1"
- Revision number= 1
- Instance 1 = VLANs 10, 12
- Instance 2 = VLANs 11, 13
- IST instance = VLANs 1-9, 14-4094

Switch_D is configured with this MSTP information:

- Config name = "Region1"
- Revision number= 1
- Instance 1 = VLANs 10, 12
- Instance 2 = VLANs 11, 13, 14, 15
- IST instance = VLANs 1-9, 16-4094

Based on this information, what is the result of this MSTP configuration?

- A. Switch_D load balances VLAN traffic to Switch_A and Switch_B.
- B. Switch_D disables the links to Switch_A and Switch_B.
- C. Switch_D becomes a root switch.
- D. Switch_D causes a loop.

Correct Answer: A

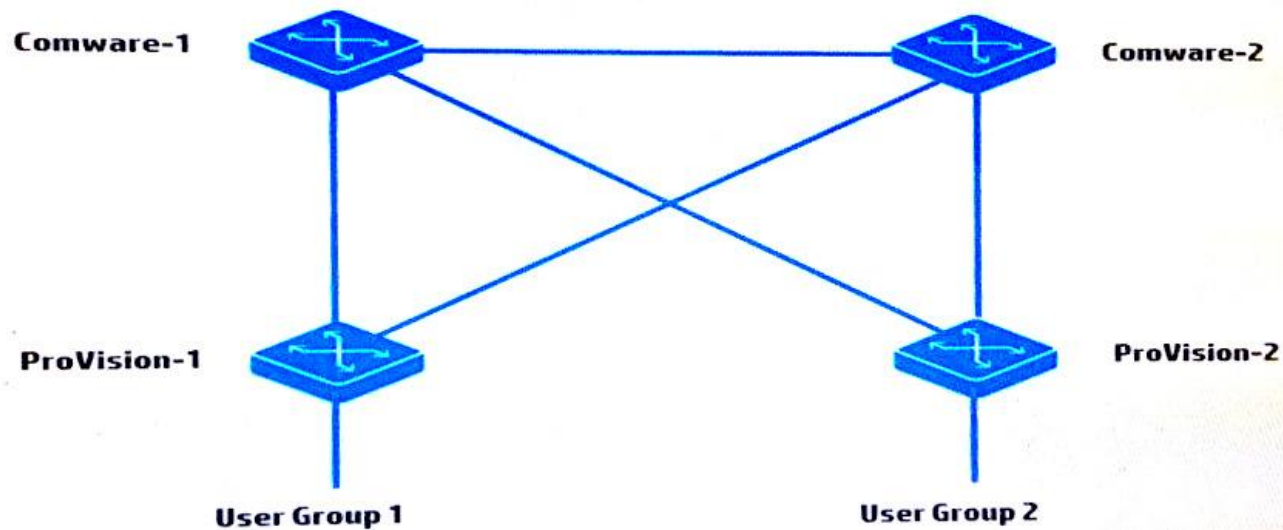
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Explanation

Explanation/Reference:

QUESTION 69

Refer to the exhibit.



A network administrator wants to create a routed topology that ensures redundant connections between User Group 1 and User Group 2. Based on this information, how many broadcast domains should the administrator create?

- A. Two
- B. Three
- C. Four
- D. Seven

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 70

What is one feature that MSTP has that RSTP does not have?

- A. load-sharing on redundant links
- B. alternate root ports
- C. multiple designated ports per segment
- D. one set of BPDUs per VLAN

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 71

A mid-sized company purchases HP Intelligent Management (IMC) to manage 500 nodes. In addition to the base platform, the company purchases the UAM, WSM, and NTA modules. Which deployment method should this company use to install their IMC base platform and modules?

- A. Stand-alone
- B. Distributed
- C. Centralized
- D. Hierarchical

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 72

Which FlexNetwork architecture component provides high performance and low-latency for virtual and physical servers that provide services to the users in a company?

- A. FlexFabric
- B. FlexDataCenter
- C. FlexNet
- D. FlexArchitecture

Correct Answer: A

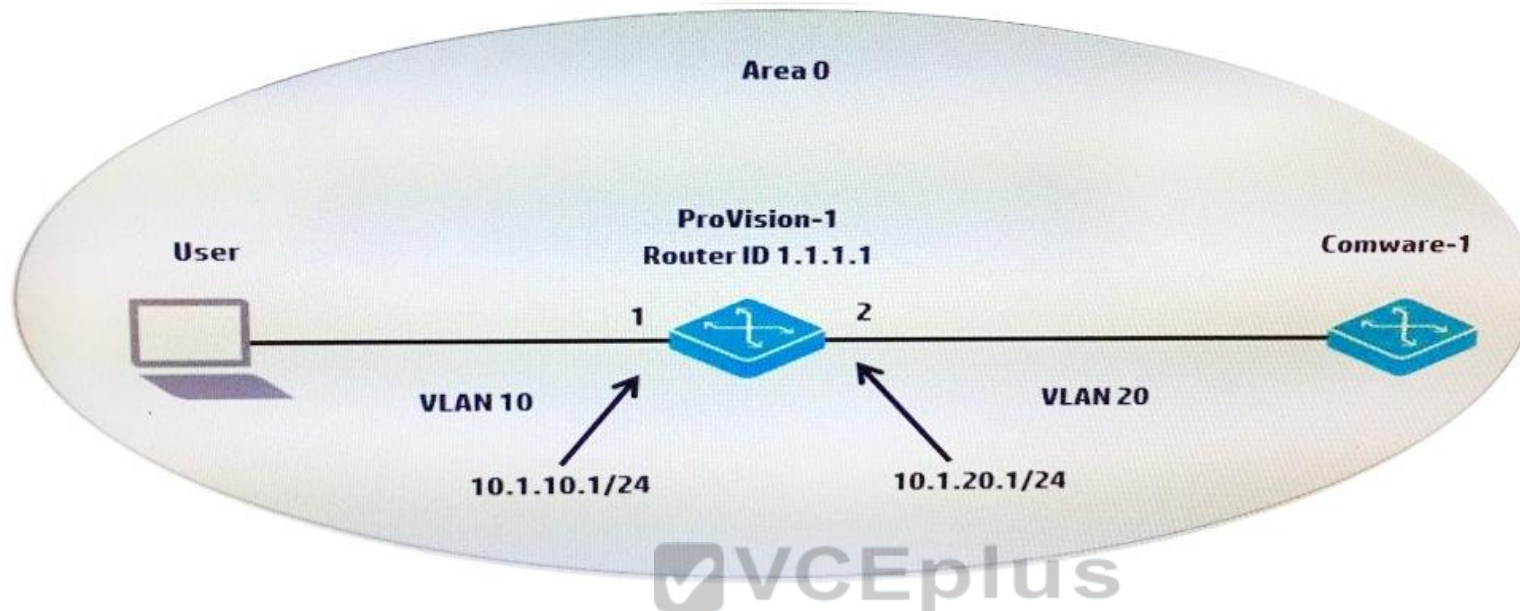
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Explanation

Explanation/Reference:

QUESTION 73

Refer to the exhibit.



A network administrator sets up OSPF in part of the network topology shown in the exhibit. The Comware-1 switch is already configured. The administrator needs to configure ProVision-1 so that:

- OSPF includes VLANs 10 and 20 in the routing process.
- The router ID of 1.1.1.1 is assigned to the switch.
- The ProVision-1 switch can successfully build a neighbor adjacency with the Comware-1 switch.

Which configuration should the administrator apply to the ProVision-1 switch to meet these requirements?

- A. `router-id 1.1.1.1`
`router ospf area 0`
`vlan 10`
`ip ospf area 0`
`vlan 20`
`ip ospf area 0`
- B. `router ospf router-id 1.1.1.1`
`area 0 vlan 10`
`area 0 vlan 20`
`enable`
- C. `router ospf`

```
router-id 1.1.1.1
area 0 vlan 10
area 0 vlan 20
D. ip router-id 1.1.1.1
router ospf
area 0
enable
vlan 10 ip ospf area 0
vlan 20 ip ospf area 0
```

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 74

An endpoint device requests an address by using DHCP. What is the first message the client sends to initiate this process?

- A. DHCPREQUEST
- B. DHCPQUERY
- C. DHCPDISCOVER
- D. DHCPOFFER



Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 75

What is one difference between Network Segment-based discovery and ARP-based discovery on HP Intelligent Management Center (IMC)?

- A. With Network Segment-based discovery, network device SNMP settings must match SNMP settings on IMC. With ARP-based discovery, only ARP settings must match.
- B. With Network Segment-based discovery, IMC can discover multiple devices. With ARP-based discovery, IMC can only discover one device; the administrator must re-run ARP-based discovery to discover a second device.
- C. With Network Segment-based discovery, the administrator enters a range of IP addresses to discover. With ARP-based discovery, the administrator enters one seed IP address, and IMC dynamically learns more IP addresses to discover.

D. With Network Segment-based discovery, IMC can discover Layer 3 devices. With ARP-based discovery, IMC can discover only Layer 2 devices.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 76

A company wants to implement HP Intelligent Resilient Framework (IRF) at the access layer. Which switches could they use?

- A. two HP 5500 HI Series switches
- B. one HP 5412R zL2 Series switch and one HP 5800 Series switch
- C. one HP 5800 Series switch and one HP 5500 Series switch
- D. two HP 5406R zL2 Series switches

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 77

Refer to the exhibit.

Exhibit: HP Comware switch configuration

```
[Sw-A] interface bridge -aggregation 1
[Sw-A-Bridge-Aggregation1] description Connection-to-Distribution-1
[Sw-A-Bridge-Aggregation1] link-aggregation mode dynamic
[Sw-A-Bridge-Aggregation1] quit
[Sw-A] interface g1/0/1
[SW-A-GigabitEthernet1/0/1] port link-aggregation group 1
[SW-A-GigabitEthernet1/0/1] quit
[SW-A] interface g1/0/2
[SW-A-GigabitEthernet1/0/2] port link-aggregation group 1
[SW-A-GigabitEthernet1/0/2] quit
[Sw-A] interface bridge-aggregation 1
[Sw-A-Bridge-Aggregation1] port link-type trunk
[Sw-A-Bridge-Aggregation1] port trunk permit vlan 100 200
```

Based on the exhibit output, which type of link aggregation is this?

- A. dynamic trunk protocol
- B. static trunking
- C. dynamic port group
- D. static LACP



Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 78

A network administrator has copied new software to an HP ProVision switch and placed this software in the secondary flash location. The switch is currently booting from the primary flash location. The administrator wants the switch to start using the new software.

What should the administrator do to accomplish this?

- A. Execute the command to boot the system from the secondary flash.
- B. Reboot the switch, which automatically causes the switch to use the newer software.
- C. Copy the secondary software to the primary software slot.
- D. Rename the secondary software as the primary software.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 79

When configuring Multiple Spanning Tree Protocol (MSTP), how should VLANs be separated to perform load balancing?

- A. placed into separate instances
- B. configured with different priority values
- C. never configured with more than one VLAN per instance
- D. placed into separate regions

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 80

Refer to the exhibit.

```
ProVision# show ip ospf neighbor
OSPF Neighbor Information
```

Router ID	Pri	IP Address	NbIfState	State	Rxmt QLen	Events	Helper Status
10.0.0.2	1	10.1.102.2	DR	FULL	0	6	None
10.0.0.1	1	10.1.103.1	DR	FULL	0	6	None

Based on the output shown in this exhibit, which statement is true about the 10.0.0.2 neighbor?

- A. The neighbor is communicating with this switch, but it cannot hold any more routes in its database.
- B. The neighbor is communicating with this switch, and they have exchanged all topology information.
- C. The neighbor has mismatched settings and cannot exchange information with this switch.
- D. The neighbor is rejecting communications because it already has its maximum number of neighbors.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 81

How does a switch treat a link aggregation?

- A. The switch treats each interface within the interface as a separate entity for MAC address learning; it also assigns an individual spanning tree port role to each interface.
- B. The switch treats the link aggregation as one logical link for spanning tree, but it learns MAC addresses separately on each individual interface within the aggregation.
- C. The switch treats the link aggregation as one logical link. It assigns one spanning tree port role to the link aggregation, and it learns MAC addresses on the aggregation.
- D. The switch treats the link aggregation as one logical link for MAC learning, but it assigns an individual spanning tree port role to each interface within the aggregation.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 82

Refer to the exhibit.

```
Switch-C# show spanning tree
<-output omitted->
  IST Mapped VLANs      : 1-4094
  Switch MAC Address    : 0019bb-acd640
  Switch Priority        : 8192
  Max Age               : 20
  Max Hops              : 20
  Forward Delay         : 15
  Topology Change Count : 10
  Time Since Last Change : 8 mins
  CST Root MAC Address  : 0017a4-742700
  CST Root Priority      : 4096
  CST Root Path Cost    : 20000
  CST Root Port         : Trk1
<-output omitted->
```

Port	Type	Cost	Priority	State	Designated Bridge
1	100/1000T	20000	128	Blocking	001635-b65040
2	100/1000T	20000	128	Forwarding	0019bb-acd640
3	100/1000T	20000	128	Blocking	0017a4-742700
4	100/1000T	20000	128	Forwarding	001638-4987d1
Trk1	100/1000T	20000	128	Forwarding	0017a4-742700

Based on the output in the exhibit, which statement is correct about the spanning tree protocol running in this network?

- A. Switch- is a root switch.
- B. Port 2 is a designated port.
- C. Port 3 is a root port.
- D. Port 4 is a designated port.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 83

Refer to the exhibit.

```
<Comware> display port trunk
```

Interface	PVID	VLAN passing
GE1/0/1 1	1	1, 10, 20

What does the output indicate about GE1/0/1?

- A. The interface accepts untagged traffic, which it assigns to VLAN 1. It drops traffic that is tagged for VLANs 1, 10, and 20.
- B. The interface accepts untagged traffic, which it assigns to VLAN 1. It also accepts traffic that is tagged for VLANs 10 and 20.
- C. The interface accepts untagged traffic, which it assigns to VLAN 1. It accepts traffic that is tagged for any VLAN between 10 and 20.
- D. The interface does not accept untagged traffic. It accepts traffic that is tagged for VLANs 1, 10, and 20.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:



QUESTION 84

A network administrator executes these commands on an HP ProVision switch:

```
ProVision(config)# ip route 10.1.100.0/24 10.1.1.1  
ProVision(config)# ip route 10.1.200.0/24 10.1.1.1
```

The administrator attempts to ping a device in the 10.1.100.0/24 network from a client attached to the switch and is unable to ping it. Assume there are no firewalls and all other settings are correct. What must the administrator configure on the ProVision switch to get a response?

- A. ProVision(config)# ip routing
- B. ProVision(config)# spanning-tree disable
- C. ProVision(config)# routing enable
- D. ProVision(config)# routing
ProVision(config-router)# ip enable

Correct Answer: A

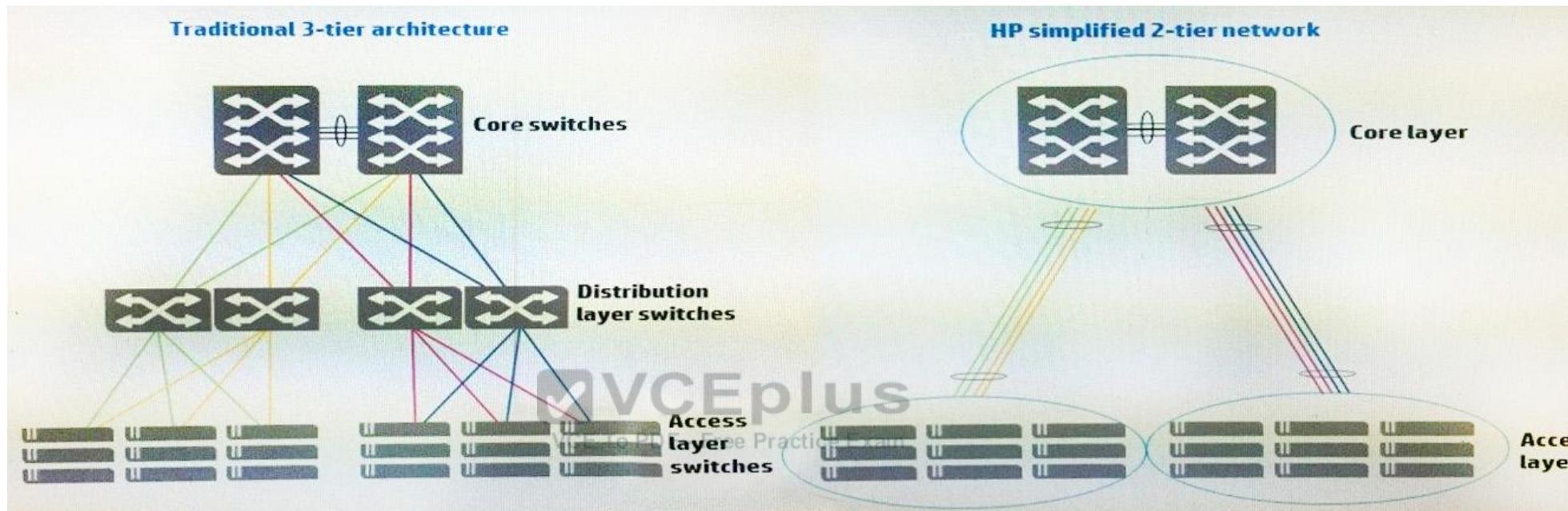
Section: (none)

Explanation

Explanation/Reference:

QUESTION 85

Refer to the exhibit.



The topology shown on the left of the exhibit illustrates a traditional three-tier architecture. Which technology allows a company to simplify their network with a two-tier topology as illustrated on the right of the exhibit.

- A. Intelligent Resilient Framework
- B. Software-defined Networking
- C. Multiple Spanning Tree Protocol
- D. Equal Cost Multi-Pathing

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 86

What is true about the community string used for SNMPv1 and SNMPv2c?

- A. The community string encrypts the SNMP message, but does not hash it, providing for data privacy.
- B. The community string hashes the SNMP message, but does not encrypt it, providing for data integrity.
- C. The community string encrypts and hashes the SNMP message, providing for data integrity and privacy.
- D. The community string is like a password transmitted in cleartext, providing no data integrity or privacy.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 87

A network administrator wants to join a switch to an Intelligent Resilient Framework (IRF) virtual device. The administrator changes the switch member ID from 1 to 2. What must the administrator do before configuring the IRF port on this switch?

- A. Physically connect the switch to the IRF master device.
- B. Reboot the switch.
- C. Disable IP routing.
- D. Enable the physical interfaces that will be assigned to the IRF port.



Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 88

A network administrator wants to establish an LACP link aggregation between an HP Comware switch and an HP ProVision switch. Which settings should the administrator configure?

- A. The link aggregation mode should be set to *static* on the Comware bridge interface, and the ProVision trunk should be set to *lacp*.
- B. The link aggregation mode should be set to *dynamic* on the Comware bridge interface, and the ProVision trunk should be set to *trunk*.
- C. The link aggregation mode should be set to *static* on the Comware bridge interface, and the ProVision trunk should be set to *trunk*.
- D. The link aggregation mode should be set to *dynamic* on the Comware bridge interface, and the ProVision trunk should be set to *lacp*.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 89

A network administrator examines an HP Comware switch that is configured to route packets between VLANs. The switch is configured with multiple routing protocols. All routing protocols have learned of the same destination network. All routing protocols use the default administrative distances.

Which routing protocol does the switch select for the destination network?

- A. EIGRP
- B. Indirect
- C. OSPF
- D. Static route

Correct Answer: C

Section: (none)

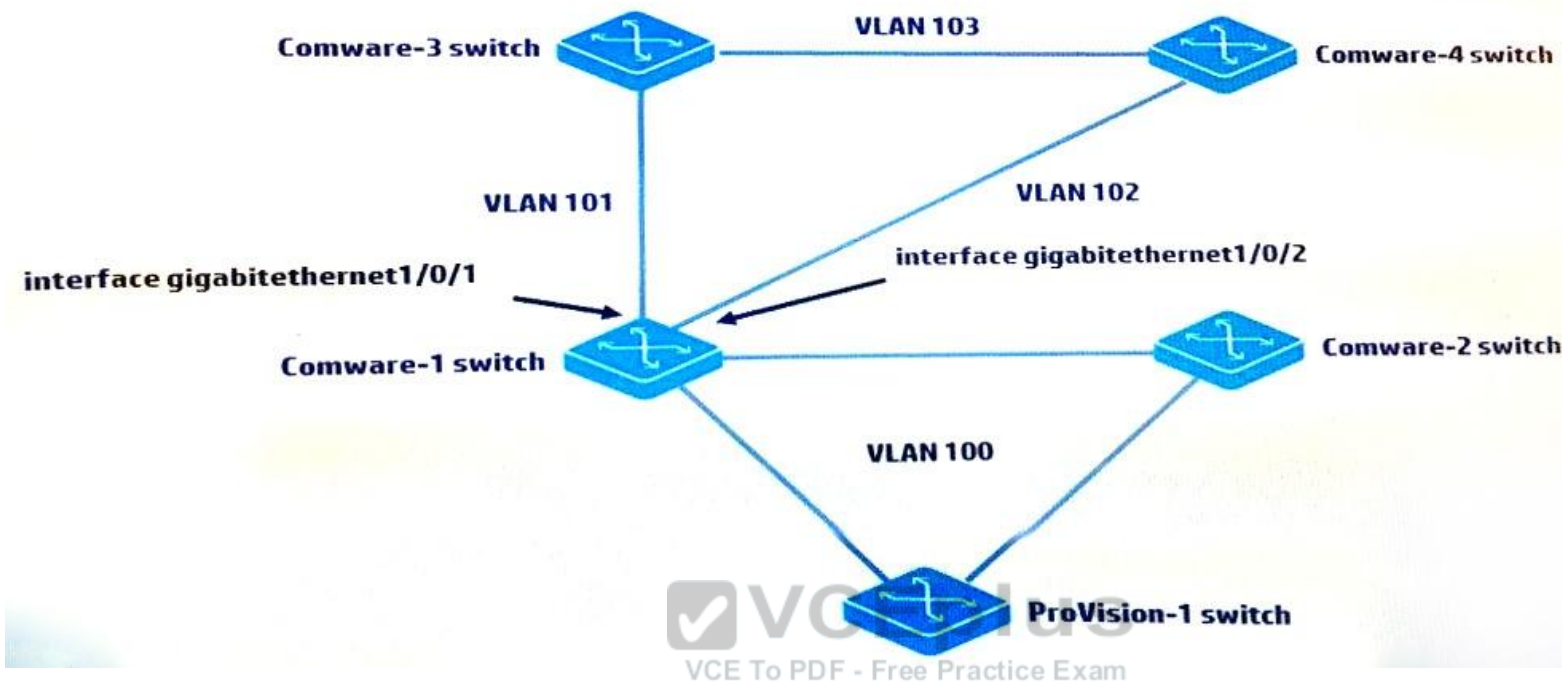
Explanation

Explanation/Reference:



QUESTION 90

Refer to the exhibit.



MSTP is configured on all switches shown in the exhibit. The Comware-1, Comware-3, and Comware-4 switches are set up for OSPF. Comware-1 and Comware-4 switches fail to achieve neighbor adjacency. The network administrator analyzes the issue and determines that MSTP is blocking on port gigabitethernet1/0/2 on Comware-1.

Which configuration should the administrator configure on ports g1/0/1 and g1/0/2 to allow Comware-1 to form the correct OSPF adjacencies with Comware-3 and Comware-4?

- A.

```
interface g1/0/1
spanning-tree bpdu-filter
quit
interface g1/0/2
spanning-tree bpdu-filter
quit
```
- B.

```
interface g1/0/1
undo stp enable
quit
interface g1/0/2
undo stp enable
quit
```

- C. interface g1/0/1
stp link-mode route
quit
interface g1/0/2
stp link-mode route
quit
- D. interface g1/0/1
stp bpdu-filter
quit
interface g1/0/2
stp bpdu-filter
quit

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 91

A network administrator plans to execute `show` commands as well as make configuration changes. Which HP ProVision privilege role must be assigned to an account for the administrator to do this?

- A. Operator
B. Administrator
C. Superuser
D. Manager

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 92

A customer purchases HP Intelligent Management Center (IMC) to help manage their network. The customer needs access to real-time and historical data about users and applications that consume bandwidth. Which IMC module should the customer purchase?

- A. NTA
B. WSM

- C. UAM
- D. EAD

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 93

Which statement is true about the default configuration on an HP ProVision switch?

- A. Spanning tree is disabled.
- B. LACP is used when a BAGG interface is created.
- C. IRF is enabled.
- D. RSTP is the default spanning tree mode.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



QUESTION 94

A company has a network comprised of HP Comware and ProVision switches. A network administrator purchases HP Intelligent Management Center (IMC) to manage the switches in this network. Which step must the administrator perform on the Comware switches but not on the ProVision switches?

- A. Configure SNMP traps.
- B. Configure VTY interface authentication.
- C. Define SNMPv2 community strings or SNMPv3 groups and users.
- D. Configure telnet or SSH.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 95

Refer to the exhibit.

```
<Comware> display irf topology
```

Topology Info					
Switch	Link	IRF-Port1 neighbor	Link	IRF-Port2 neighbor	Belong To
1	DOWN	3	UP	2	000f-cbb8-1c84
2	UP	1	UP	3	000f-cbb8-a16d
+3	UP	2	DOWN	1	000f-cbb8-1c84

Examine the HP Comware switch output shown in the exhibit. Based on this output, what is a correct description of the IRF topology with which this switch is associated?

- A. This is a failed IRF daisy chain topology.
- B. This is a functioning IRF chain topology.
- C. This is a functioning IRF ring topology.
- D. This is a failed IRF ring topology.



Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 96

Which settings enable a network administrator to use terminal emulation software to interface with an HP Comware switch's auxiliary port?

- A. 9600 bps, 7 data bits, 1 stop bit, no parity, flow control
- B. 14,200 bps, 8 data bits, 1 stop bit, parity, flow control
- C. 9600 bps, 8 data bits, 1 stop bit, no parity, no flow control
- D. 9600 bps, 8 data bits, 1 stop bit, parity, flow control

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:**QUESTION 97**

A network administrator is configuring a static route. What should the administrator use as the *next hop* address?

- A. the IP address on the local interface that is used to egress traffic towards its destination
- B. the lowest IP address on the neighboring router in the path towards its destination
- C. the IP address on the connected interface of a neighboring router in the path towards its destination
- D. the IP address of the default gateway in the destination subnet

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:**QUESTION 98**

Which privilege level would a network administrator use to configure an HP ProVision switch?

- A. Super
- B. User
- C. Manager
- D. Administrator

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:**QUESTION 99**

A company has a policy that requires all administrators to use secure access for in-band management. The administrator sets up SSH access on the HP Comware switches in the network to meet this requirement. The administrator enables SSH, and creates SSH keys and administrator accounts on the Comware switches. Every time the administrator attempts to log in to the switches the SSH access is denied. The VTYS are configured as:

```
user-interface vty 0 15
authentication-mode password
```

```
user privilege level 3  
quit
```

What is the correct authentication mode the administrator must configure on the VTYs of the Comware switch so the switch prompts for usernames and passwords?

- A. username
- B. aaa
- C. scheme
- D. local

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference: