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Exam A

QUESTION 1
Which three guidelines and limitation of policy-based routing are true? (Choose 3)

A. A match command can refer to more than one ACL in a route map used tor policy-based routing
B. The same route map can be shared among different interfaces for policy-based routing as long as the interfaces belong to the same VRF instance
C. Setting a tunnel interface or an IP address via a tunnel interface as a next hop in a policy-based routing policy is not supported
D. An ACL used in a policy-based routing route map cannot include a deny statement
E. A policy-based routing route mao can have multiple match or set statements per route-map statement
F. Policy-based routing and WCCPv2 are not supported on the same interface chaining is disabled

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 2
You configured a new appliance port, but the port has a pinning failure. Which option is a possible cause?

A. The appliance port admin speed must be adjusted.
B. Appliance VLANs are duplicated in global VLANS.
C. The appliance is configure for NPV.
D. Appliance VLANs are missing duplicate global VLANs.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 3
Which options is a consortium of service providers and vendors that address NFV architecture and orchestration for NFV?

A. IEEE

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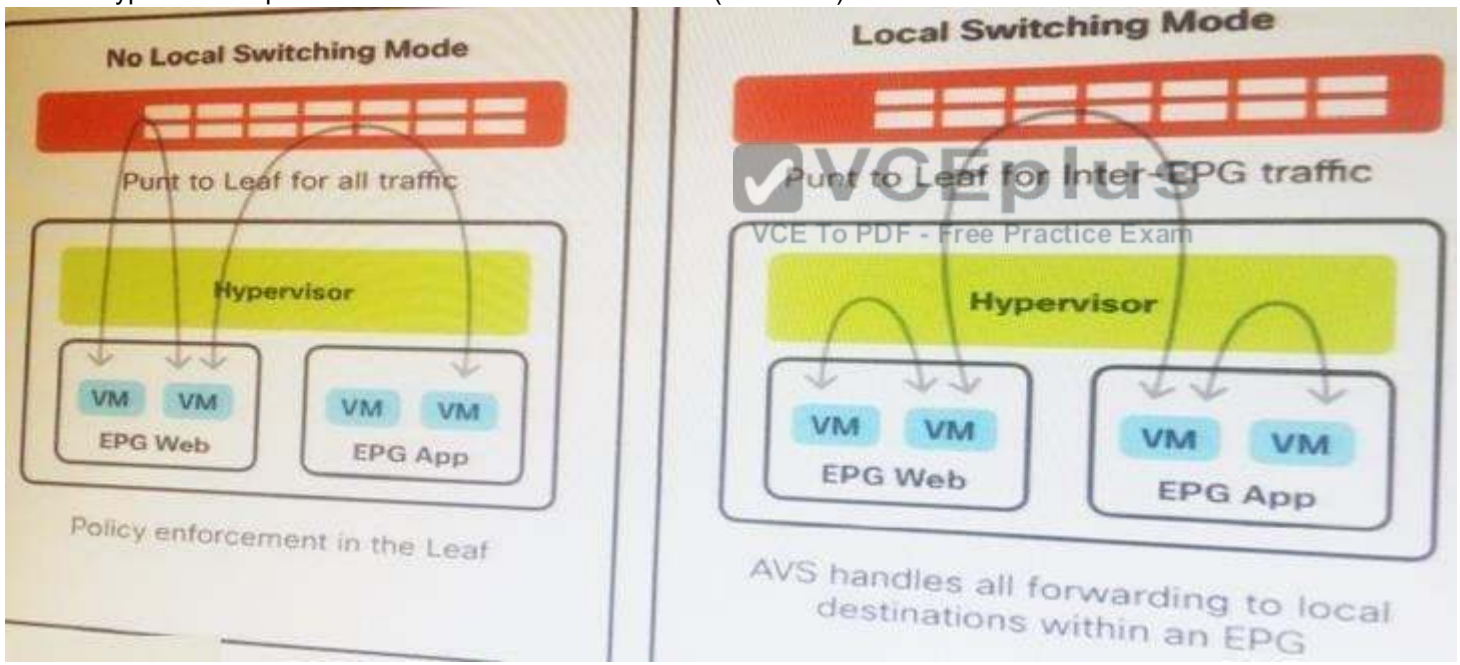
B. IETF
C. ONF
D. ETSI

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4
Refer to the exhibit. When utilizing the cisco application virtual switch in an ACI FABRIC, it can be deployed in two types of switching modes. Which 2 types of encapsulation can be used in each mode? (Choose 2)



A. No local switching : VXLAN
B. No local switching : vlan or vxlan
C. No local switching : VLAN

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D. Local switching : VLAN
E. Local switching: VLAN OR VXLAN
F. Local switching : VXLAN

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 5
Refer to the exhibit. Which statement about these commands is true?

```
nexus(config)# debug logfile test
nexus(config)# debug port-profile all
Terminal monitor is currently disabled on this terminal.
To observe Debugs/Syslogs, please run the command "terminal monitor"
```

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A. The outputs of the debug are redirected on a file test on the "log" directory.
B. The command does not have an effect unless you configure "debug enable"
C. The outputs of the debug are redirected to the logging buffer.
D. If you are on a console connection, the outputs are shown after the event occurs.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 6
Which two statements about the clear zone database VSAN 2 command when performed on a Cisco Nexus 5500 switch are true? (choose two)

A. The zone set for VSAN 2 is cleared from all switches in VSAN 2.
B. You must issue the copy running-configuration startup-configuration command to copy the active zone set foil zone set database after this command.
C. The active and full zone set for VSAN2 is deactivated and erased from the local switch.
D. This command is valid only if the feature clear zone is enabled.

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E. The full zone set database is cleared for VSAN 2 and the active zone set database for VSAN 2 is untouched.

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 7
Which Programming language is used at the core of OpenStack?

A. Java
B. Python
C. Ruby
D. C++

Correct Answer: B
Section: (none)
Explanation

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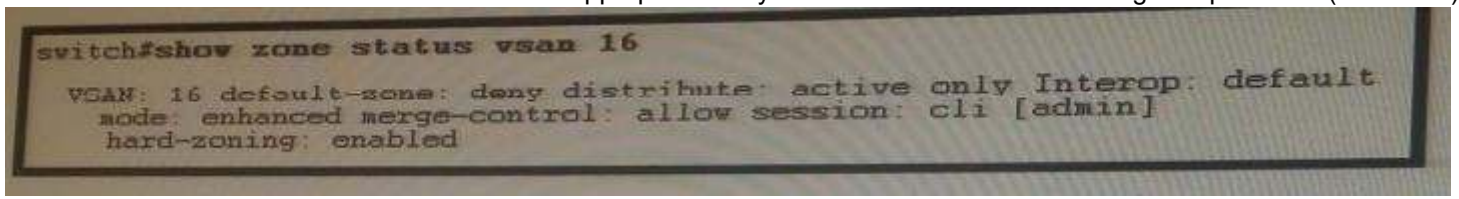
Explanation/Reference:

QUESTION 8
Refer to the Exhibit. Which Two CLI actions are appropriate to try to resolve the enhanced zoning lock problem? (Choose 2)



A. Use the show zone internal vsan 16 command to determine the ip address of the user and the MDS switch where the lock is currently held.
B. Use the no zone commit vsan command on the switch that holds the lock to release the lock if you are the holder of the lock.
C. Use the no zone commit vsan <vsan id> force command on the switch that holds the lock to release the lock if another user holds the lock.
D. Use the clear zone lock command to remove the lock. Use this command on each switch in the fabric for vsan 16 only.
E. Using either cisco fabric manager or the CLI, reactivate the existing zone set for VSAN 16. Be careful to only reactivate and not deactivate to avoid a disruption in service.

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Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9
Which standard REST API method allows you to create a managed object?

A. POST
B. GET
C. PATCH
D. SET

Correct Answer: A
Section: (none)
Explanation

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Explanation/Reference:
Explanation:
http://aci-troubleshooting-book.readthedocs.io/en/latest/rest.html
http://www.cisco.eom/c/en/us/td/docs/unified_computing/ucs/ucs-director/rest-api-getting-started- guide/5-4/b_REST_AP I_G etting_Started_G uid e_54.html Write Operations
Create and update operations to the REST API are actually both implemented using the POST method, so that if an object does not already exist it will be created, and if it does already exist, it will be updated to reflect any changes between Its existing state and desired state.
Both create and update operations can contain complex object hierarchies, so that a complete tree can be defined within a single command, so long as all objects are within the same context root and they are under the 1MB limit for data payloads to the REST API. This limit is in place to guarantee performance and protect the system under high load.

QUESTION 10
Refer to the exhibit. Which statement about this output from two different switches is true?

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```
Switch1# show zone status
VSAN: 1 default-zone: deny distribute: active only Interop: default
    mode: basic merge-control: allow session: none
    hard-zoning: enabled
Default zone:
    qos: low broadcast: disabled ronly: disabled
Full Zoning Database :
    Zonesets:5  Zones:18 Aliases: 11
Active Zoning Database :
    Name: ZoneSet1  Zonesets:1  Zones:2

Switch2# show zone status
VSAN: 1 default-zone: permit distribute: active only Interop: default
    mode: basic merge-control: allow session: none
    hard-zoning: enabled
Default zone:
    qos: low broadcast: disabled ronly: disabled
Full Zoning Database :
    Zonesets:5  Zones:18 Aliases: 11
Active Zoning Database :
    Name: ZoneSet1  Zonesets:1  Zones:2
```

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A. Based on this exhibit, a zone merge problem will not occur, but a warning Is generated that indicates that some minor differences in the zone set exist.
B. There Is no way to tell if a zone merge problem will be encountered with just the current display. Additional commands will need to be performed in order to determine If a problem exists.
C. Based on this exhibit, a zone merge problem will occur.
D. This exhibit shows no problem. No zone merge issues occur for VSAN 1 based on the current displays.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 11
Which four products are part of the cisco virtual application container service? (Choose 4)

A. Application Policy Infrastructure Controller
B. Cisco Virtual Security Gateway
C. Cisco Prime Network Services controller
D. Cisco ASR 1000 Router

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E. Cisco Nexus 1000V
F. Cisco ucs Director

Correct Answer: BCEF
Section: (none)
Explanation

Explanation/Reference:

QUESTION 12
Which two statement about Cisco UCS Director Workflow are true? (Choose 2)

A. You build workflows using a drag-and-drop user interface called workflow designer.
B. Each task in workflow designer is built using python script.
C. Looping and conditional branching cannot be implemented.
D. You arrange tasks in sequence and define inputs and outputs t other tasks. Outputs from earlier tasks are available to use as inputs to any subsequent task.

Correct Answer: AD
Section: (none)
Explanation

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Explanation/Reference:

QUESTION 13
Refer to the Exhibit. When specifying subnets under a bridge domain for a given tenant, the user can specify the scope of a subnet. Which definition of the public subnet scope is true?

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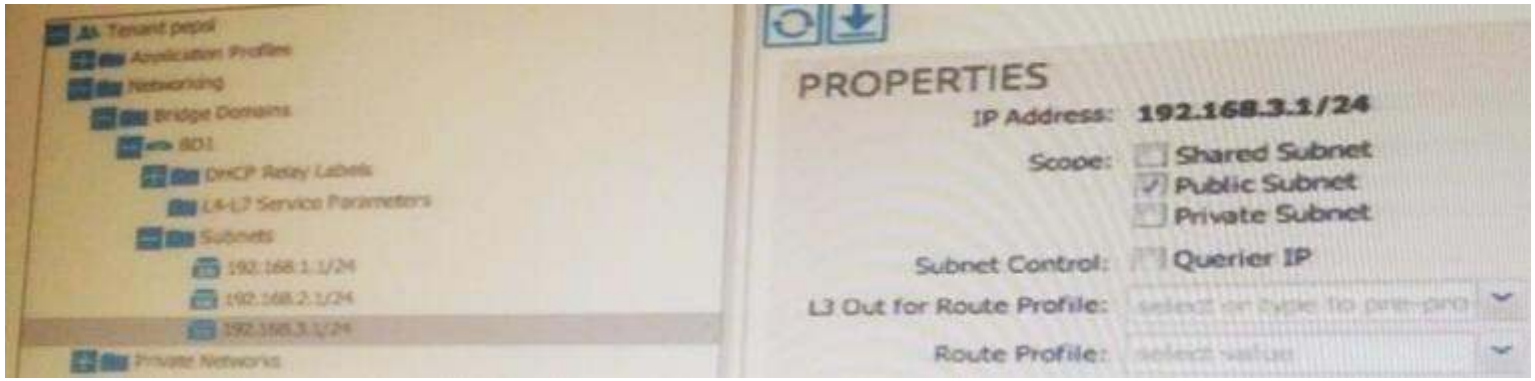

A. It indicates that this subnetis advertisedto the external router by the border leaf.
B. It indicates that this subnetis advertisedto the border lead in ACI fabric.
C. It indicates that it must be leaked to oneor more private networks within ACI fabric.
D. It indicates that this subnetis advertisedto public internet and must be protected by a firewall.

Correct Answer: A
Section: (none)
Explanation

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Explanation/Reference:

QUESTION 14
For which two multicast distribution modes is RP configuration required? (Choose 2)

A. RPF routes for multicast
B. SSM
C. BIDIR
D. ASM

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 15
Which two statements about CFS are true? (Choose 2)

A. CFS distributes the local NTP configuration to master only which then forwards to all devices in network.
B. If CFS is used to distribute NTP, all devices in the network must have the different VRF's configured then as used for NTP.
C. You must manually distribute NTP authentication keys on the NTP server and Cisco NX-OS devices across the network.
D. After enabling CFS, a network-wide lock is applied to NTP whenever an NTP configuration is started and released once after the change has been committed or discarded.

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
Explanation:
http://www.cisco.eom/c/en/us/td/docs/switches/datacenter/nexus5500/sw/system_management/6 x/b_5500_System_Mgmt_Confi g_6xb_5500_System_Mgmt_Config_6x_chapter_010010.html Distributing NTP Using CFS
Cisco Fabric Services (CFS) distributes the local NTP configuration to all Cisco devices in the network.
After enabling CFS on your device, a network-wide lock is applied to NTP whenever an NTP configuration is started. After making the NTP configuration changes, you can discard or commit them.
In either case, the CFS lock is then released from the NTP application.

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QUESTION 16
Which two guidelines and limitations of netflow on Cisco NX-OS are true? (Choose 2)

A. If you change a layer 2 interface to a layer 3 interface, the software converts the layer 2 netflow to layer 3 netflow automatically.
B. Valid record name is optional to configure.
C. The cisco nexus 2000 series fabric extender does not support bridged netflow.
D. Only layer 2 netflow Is applied on layer 2 interfaces, and only layer 3 netflow is applied on layer 3 interfaces.
E. You must configure a source interface. If you do not configure a source interface, the exported remains in a disabled state.

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:
Explanation:
http://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/5_x/nx- os/system_management/configuration/guide/sm_nx_os_cg/sm_15netflow.html#wp 1088665

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Guidelines and Limitations
NetFlow has the following configuration guidelines and limitations:
•You must configure a source interface. If you do not configure a source interface, the exporter will remain in a disabled state.
•You must configure a valid record name for every flow monitor.
•A rollback will fail If you try to modify a record that is programmed in the hardware during a rollback.
•Only Layer 2 NetFlow is applied on Layer 2 interfaces, and only Layer 3 NetFlow is applied on Layer 3 interfaces.
•If you add a member to a port channel that is already configured for Layer 2 NetFlow, its NetFlow configuration is removed and the Layer 2 configuration of the port channel is added to it.
•If you change a Layer 2 interface to a Layer 3 interface, the software removes the Layer 2 NetFlow configuration from the interface.
•Use v9 export to see the foil 32-bit SNMP ifIndex values at the NetFlow connector.
•The maximum number of supported NetFlow entries is 512K.
•The Cisco Nexus 2000 Series Fabric Extender supports bridged NetFlow.
•Beginning with Cisco NX-OS Release 5.2, NetFlow is supported on switch virtual interfaces (SVIs) for F1 Series ports. Bridged NetFlow on F1 Series ports is not supported.

QUESTION 17
Which two statement about NFS appliance port failover and network uplink failure on Cisco UCS are true? (Choose 2)

A. By Default, appliance ports are shutdown if the uplink that they are pinned to goes down.
B. Failover cannot be configured on the Cisco UCS side for appliance ports.
C. By design, Cisco UCS fabric interconnects operate as one large fabric.
D. Failover must be configured on the storage side and Cisco UCS side, and it must be implemented with the correct network design while specific failover behaviors for storage controller are kept in mind.
E. To change default appliance port behavior, configure an appliance port failover policy and set the action to be taken upon uplink failure.

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Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

QUESTION 18
Which two statements about VXLAN are true? (Choose 2)

A. VXLAN uses a UDP destination port 4987.
B. VXLAN adds an additional 32 bytes worth of headers.
C. A VTEP is virtual or physical device that maps end devices to VXLAN segments.
D. Devices that terminate VXLAN tunnels are known as VTEPs.

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Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 19
Refer to the exhibit. Health scores can be aggregated for a variety of areas such as for the system, infrastructure, tenants, applications, or services. Which health score level is the exhibit from APIC GUI an example of?

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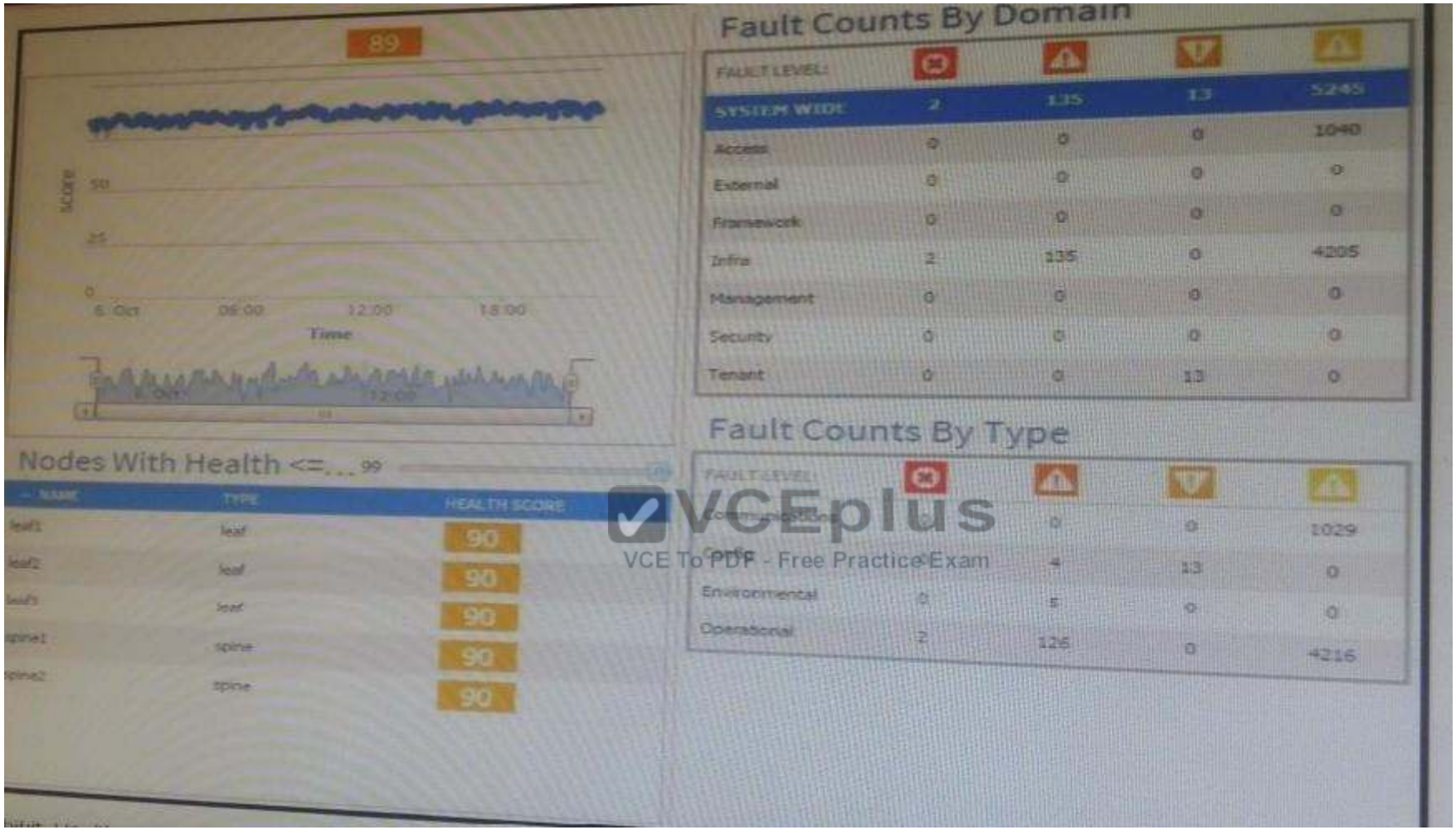

A. Managed object
B. Pod
C. Tenant
D. System

Correct Answer: B

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Section: (none)
Explanation

Explanation/Reference:

QUESTION 20
On a cluster with three APICs, on which APIC can you see actual device package logs?

A. Depending on the device package, on the APIC that is a leader for that device package
B. APIC 1
C. Depending on the tenant, on the APIC that is a leader for the shard for that particular tenant
D. On the one that is a leader for device package service.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 21
Which three statements about ASM and SSM are correct? (Choose 3)

A. By Default, the SSM group range from PIM is 232.0.0.0/8 and for PIM6 is FF3X96.
B. ASM mode requires that you configure an RP.
C. PIM ASM is not fully supported on a vPC.
D. If you want to use the default SSM group range, you must configure the SSM group range.
E. In ASM mode, only the last-hop router switches from the shared tree to the SPT.

Correct Answer: ABE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 22
On which two criteria can an endpoint be classified statically into an application EPG? (Choose 2)

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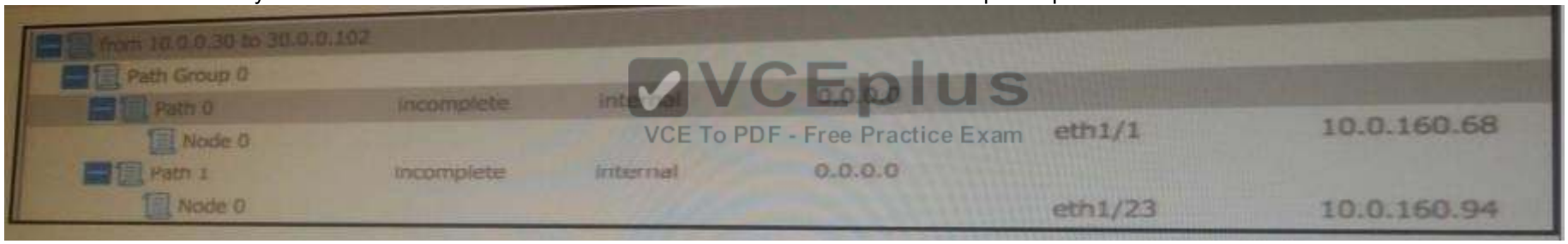
A. Physical leaf port
B. VM name
C. Guest operating system
D. DNS host name
E. VLAN

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 23
Refer to the Exhibit. Many tools are available to troubleshoot an ACI fabric. Which tool is this sample output from?



A. Traffic map
B. iPing
C. traceroute
D. atomic counters

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 24

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Refer to the exhibit. Which two statements about this configuration command sequence with regards to the cisco nexus 5500 are true? (Choose 2)

```
Switch# configure terminal
Switch (config)# fcoe fcamp 0e.fc.2a
```

A. It permits this node to form FCoE ISLs only with other nodes configuredfor the same FC-MAP.
B. It configures this node to use 0EFC2A as the first 3 bytes of the FPMA.
C. It configures this node to use 0EFC2A as the last 3 bytes of the FPMA.
D. It resenes this FCID so only this node can use this FCID when communicating with other Fiber Channel entities.
E. It configures this node to use FCID 0EFC2A to forward the FDISC to when an endpoint is connected.

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25
On which two features does ITD depend? (Choose 2)

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A. IP SLA
B. WCCP
C. Netflow
D. BFD
E. PBR
F. Interfiace-vlan

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 26
You want to create two vHBAs per fabric for each server in a cisco UCS domain, which option lists the maximum number of servers that can be utilized in this domain?

A. 20 chassis (160 servers)

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B. 16 chassis (128 servers)
C. 12 chassis (96 servers)
D. 15 chassis (120 servers)

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 27
Which definition of intelligent service card manager is true?

A. Management software to manage provisioning of RISE services on a cisco nexus switch
B. Part of the RISE service that resides on an appliance (for example, Citrix Netscaler) that is responsible for sending Route health injection messages to a cisco nexus switch.
C. Part of the RISE service that is responsible for establishing initial connectivity with remote appliances (for example, citrix netscaler)
D. Management software to manage cisco nexus devices
E. Part of the RISE service that resides on a cisco nexus switch that is responsible for handling tasks related to receiving Route health injection messages from appliance and programming those routes in the universal routing information base.

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Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:
Explanation:
http://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/nx- os/riseNetscaler/install_and_cfg/guide/b-rise-netscaler/Configuring-Rise.html Intelligent Service Card Manager
The Intelligent Service Card Manager (ISCM) handles tasks related to the initialization and flow of Remote Health Injection (RHI) messages.
During ISCM initialization, the ISCM registers with the Universal Routing information Base (URIB) as a URIB client so that it can access the routing database. After registration is successful, the ISCM can add routes received from NetScaler to the routing database.
When the ISCC receives an RHI message from NetScaler, it sends a TLV and encrypted message to ISCM containing the RHI payload and RISE headers. ISCM transport decrypts and processes the RHI message. Each RHI message contains a common header with RHI opcode and a RHI request payload. The message header also contains the number of RHI entries contained in the RHI request payload.
The ISCM also checks the status of the SVI for the VLAN sent by NetScaler. It obtains the interface number for the SVI and call the URIB APIs to add, delete, or delete all routes. The other parameters sent in the URIB API are present in the RHI request payload received by the ISCM.
All routes are added as static routes to the VRF that this SVI is associated with.

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QUESTION 28
While doing service insertion with vASA with route peering, which two parts must be configured? (Choose 2)

A. The path for interfaces must be specified when the L4-L7 device is created.
B. The route peering profile must be specified when the L4-L7 service Graph template is created.
C. The VM name must be specified when the L4-L7 device is created.
D. The chassis must be specified when the L4-L7 device is created.

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

QUESTION 29
The OS team has requested that you expand the receive queues of an existing server. Which action accomplishes this change?

A. Reconfigure the vNIC to the requested queue size
B. Reconfigure the default Vnic behavior
C. Configure and apply a custom IAN connectivity policy
D. Configure and apply a custom adapter policy

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Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 30
You configured a Cisco usNIC connectivity policy, for a HPC environment. Which action also must be completed?

A. Download and compile the ring_c application
B. Install the Intel MPI library environment
C. Mount the MPI adapter in the operating system
D. Install an MPI environment in the operating system

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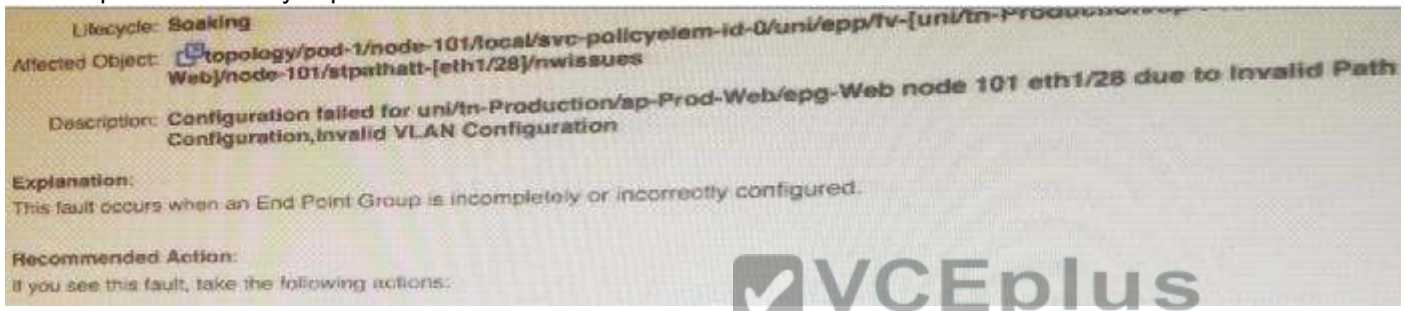
Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 31
Refer to the exhibit. An admin has created a new EPG in an ACI fabric. The admin then specified static path binding as shown in exhibit. After submitting this policy configuration, the admin noticed that this newly created EPG has the fault shown in the exhibit.
Which option is the likely explanation of this fault?



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A. The encap VLAN configured is not within the allowed range of VLANs as specified by the associated domain.
B. There is no fault. The fault is currently in the soaking state and the fault will automatically clear and everything will work as expected.
C. There is not enough information to determine the cause of the problem.
D. The admin incorrectly configured theis static path to have a deployment immediacy as "immediate" when it should have been configured as "on-demand"

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 32
Refer to the exhibit. A virtual machine in the EPG "clients" is unable to communicate via ICMP with a virtual machine in the EPG "server". Which option is the most likely cause of this issue?

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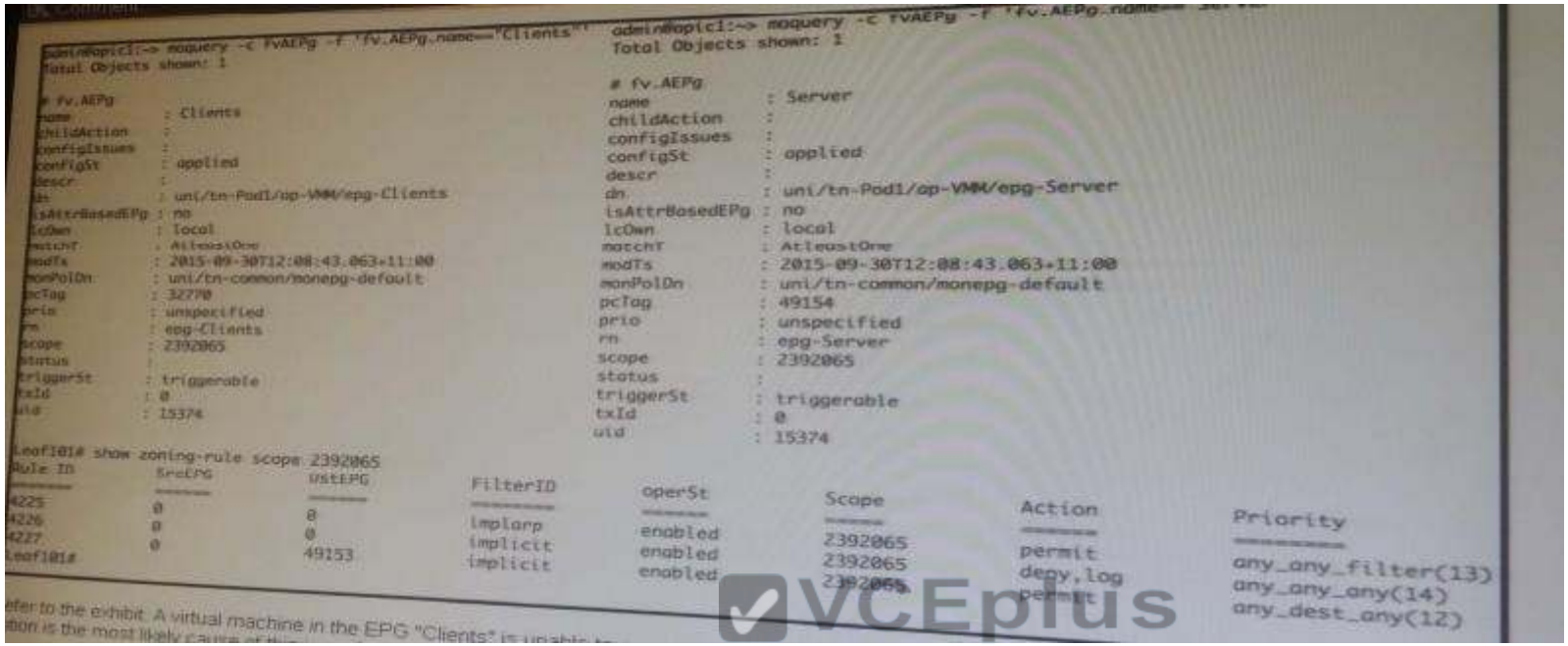

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A. No is contract configured between the two EPGs.
B. There is no issue because the configured rules permit ICMP traffic.
C. Not enough detail is provided in the output to determine the exact cause.
D. The EPG "server" is providing the relevant contract but the EPG "Clients" is not consuming the contract.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 33
Refer to the exhibit. Which option describes when this server reboots?

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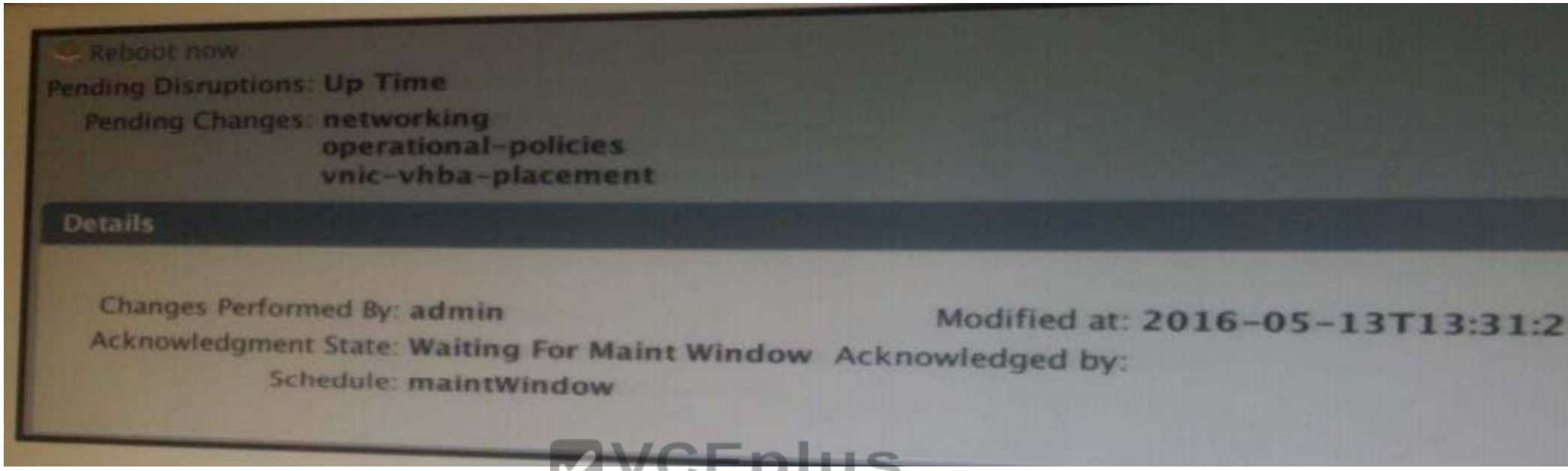

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A. When the vnic/vhba placement is changed
B. When the user acknowledges the reboot
C. Immediately after the next change
D. When the schedule is set to occur.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 34
You want to make 80 Gbps of bandwidth available to your Redhat Servers.
Which two statements are true? (Choose 2)

A. Install 2204 IOMs, VIC1240 CNAs, fabric Extenders, and create four vNICs mapped to each fabric.
B. Install 2208 IOMs, VIC1280 CNAs, fabric Extenders, and create four vNICs mapped to each fabric.

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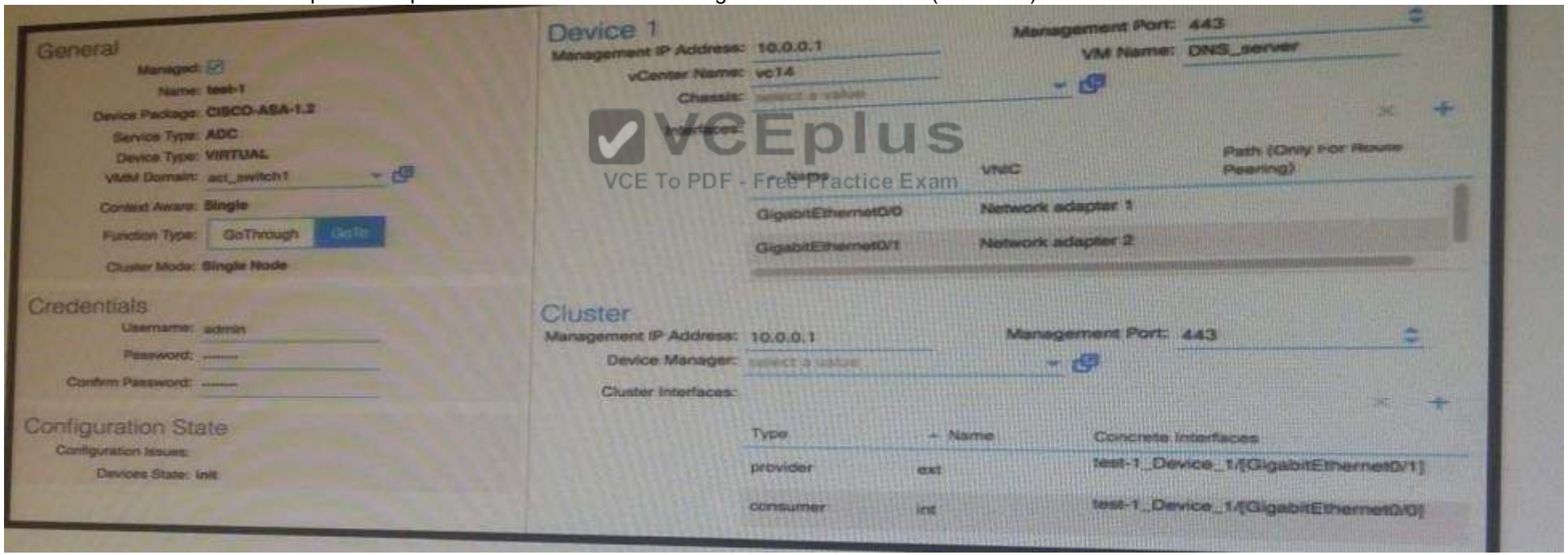
C. Install 2208 IOMs, VIC1280 CNAs, fabric Extenders, and create eight vNICs mapped to each fabric.
D. Install 2204 IOMs, VIC1280 CNAs, fabric Extenders, and create four vNICs mapped to each fabric.
E. Install 2204 IOMs, VIC1280 CNAs, and create four vNICs mapped to each fabric.
F. Install 2204 IOMs, VIC1240 CNAs, and create four vNICs mapped to each fabric.

Correct Answer: CF
Section: (none)
Explanation

Explanation/Reference:

QUESTION 35
Refer to the exhibit. Which two options are possible reasons for device being stuck in "init" mode? (Choose 2)



A. Incorrect VM is selected
B. Incorrect "Function type" is selected.

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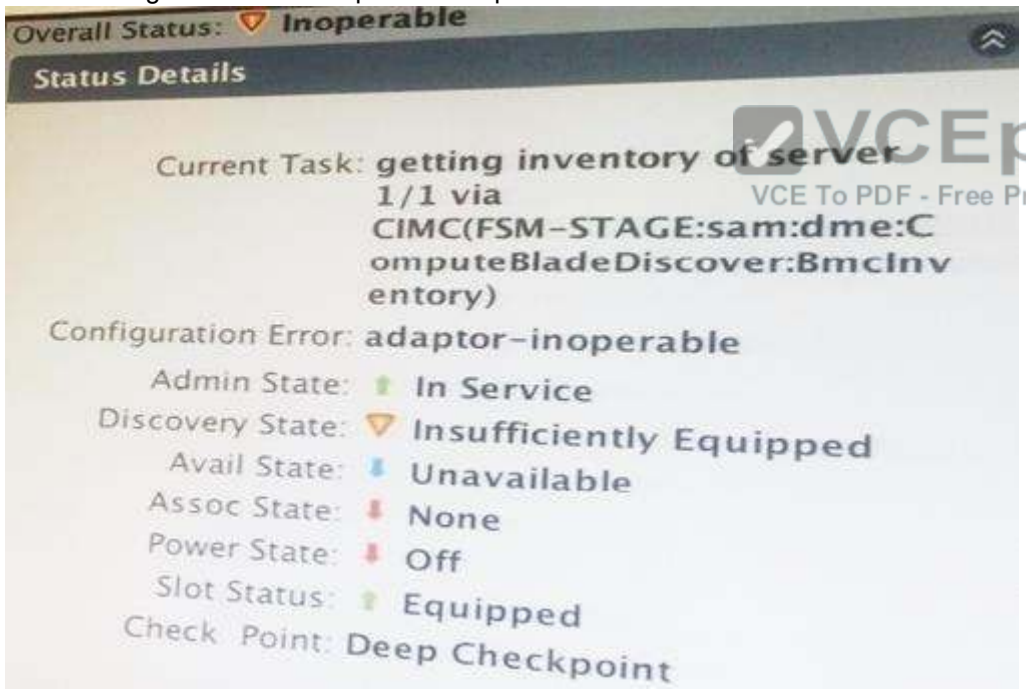
C. No "Chassis" is selected.
D. "Http service enable" is not configured on the ASA
E. Incorrect credentials are provided
F. No management interface is specified in "cluster interfaces" section

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 36
Refer to the exhibit. After you upgrade Cisco UCS firmware, some of your blades have these error messages. Which description of the problem is true?



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A. Storage provisioning is not configured

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B. vNIC template must be converted to updating.
C. Some components are deprecated.
D. Service profile requires as connectivity policy.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 37
After VTEP devices are established BGP neighbor adjacencies with other VTEPs or with internal BGP route reflector, which three pieces of information are exchanged through BGP? (Choose 3)

A. Layer 3 VNI
B. VPNv4 prefixes
C. Router MAC address
D. VTEP peer list
E. VTEP address

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Correct Answer: ACE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 38
Which three statements about IP source guard are true? (Choose 3)

A. IP source Guard is dependent upon DHCP snooping to build and maintain the IP-MAC-Address binding table or upon manual maintenance of static IP-source entries.
B. IP source guard requires that DHCP snooping is disabled.
C. By default, IP source guard is enabled on all interfaces.
D. IP source guard limits IP traffic on an interface to only those sources that have an IP=MAC address binding table entry or static IP source entry.
E. When you first enable IP source guard on an interface, you may experience disruption in IP traffic until the hosts on the interface receive an new IP address

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from a DHCP server.

Correct Answer: ADE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 39
Which three PVLAN port models are supported on Cisco nexus 9000? (Choose 3)

A. Isolated host
B. FEX port
C. Port Channels
D. Isolated host trunk
E. Virtual port channels
F. Community host

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Correct Answer: ADF
Section: (none)
Explanation

Explanation/Reference:

QUESTION 40
Which two statements about policing, queuing, and scheduling are true? (Choose 2)

A. You can schedule traffic by imposing a maximum data rate on a class of traffic so that excess packets are dropped.
B. Policing is the monitoring of data rates for a particular class of traffic. The device can also monitor associated burst sizes.
C. You can apply weighted random early detection to a class of traffic, which allows packets to be dropped to be dropped based on the CoS field.
D. The WRED algorithm is reactive approach only to traffic congestion.

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 41
Which three main functions are provided by OTV to achieve failure isolation? (Choose 3)

A. ARP optimization
B. Use of multiple OTV owerlays
C. Unknown unicast traffic suppression
D. Spanning tree isolation
E. Optimal outbound routing

Correct Answer: ACD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 42
Refer to the exhibit. Within an ACI fabric, routing protocol is need to assist with router redistribution between the outside networks and the internal fabric. Which routing protocol is needed to run in the fabric at location 1 to allow the VM access to the networks advertised by the external layer 3 network?

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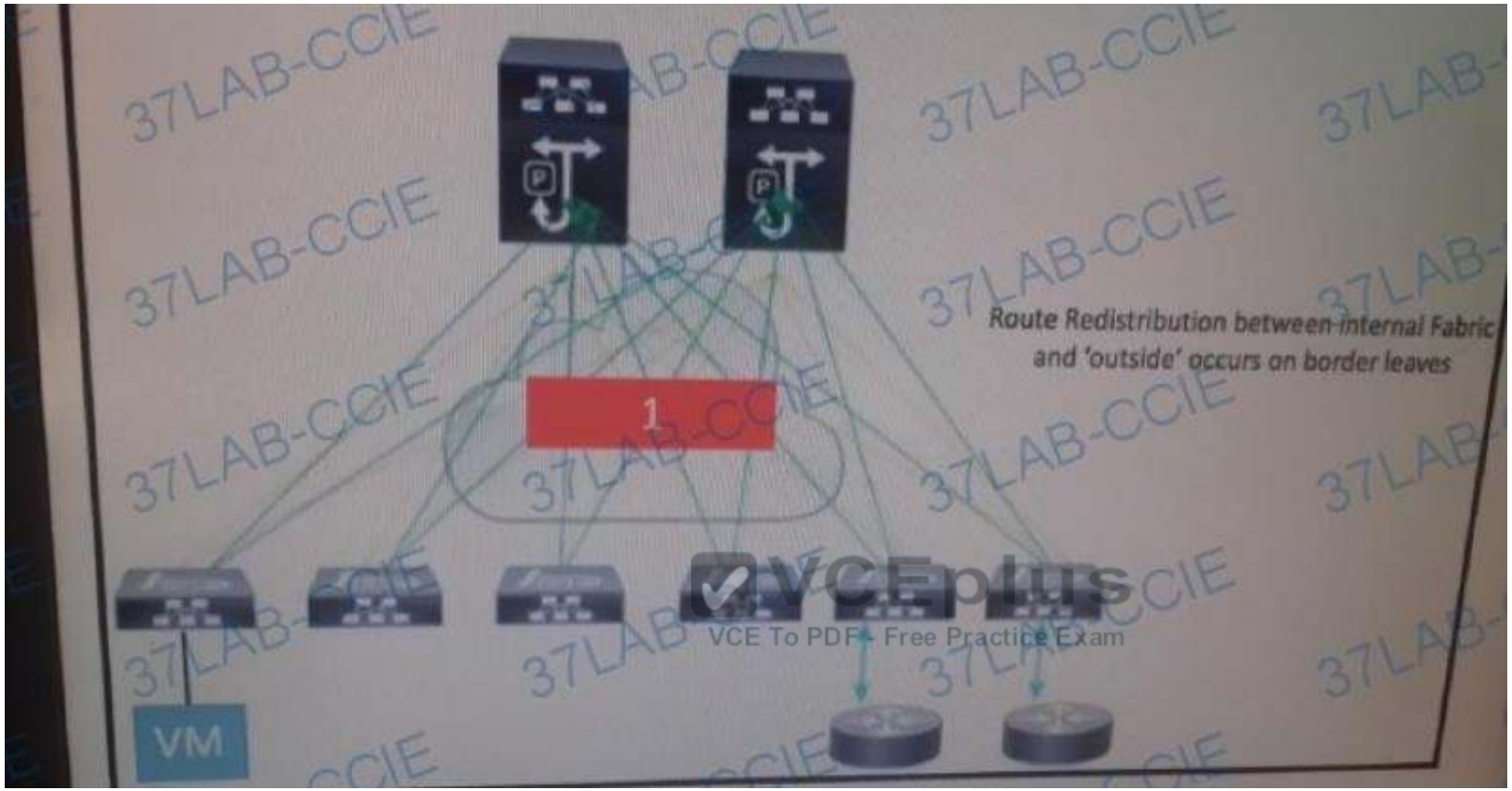

A. MP-BGP
B. EBGP
C. iBGP
D. OSPF
E. IS-IS

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 43
Which two statements about import and export route control an ACL fabric are true?

A. Export route control controls if the prefixes are redistributed from MP-BGP to the egress leaf.
B. Prefixed learned from BGP L3 outs cannot be fileted inbound.
C. Prefixes learned from OSPF/EIGRP L3 outs are never permitted inbound by default.
D. Prefixes permitted inbound are redistributed into MP-BP at the ingress leaf.

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 44
Which two options does ITD replace? (Choose 2)

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A. Policy-based routing.
B. WCCP
C. Access lists
D. Layer 7 load balancer
E. Layer 4 Load balancer
F. IP SLA

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

QUESTION 45
Which two security features are supported by NX-API? (Choose 2)

A. NX-API support certificate-based authentication
B. All communication to the device is encrypted when you use HTTPS.

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C. All communication to the device is encrypted when you use VPN.
D. User must haw appropriate accounts to access the device through NX-API

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 46
Which three statements about ACI border leaf are true? (Choose 3)

A. Only 32 border leaves are supported in an ACI fabric.
B. Any ACI leaf can be a border leaf. There is no limitation in the number of leaf switches that can be used as border leaves.
C. The border leaf can also be used to connect to compute, IP storage, and service appliances.
D. The border leaves are dedicated leaf switches that support only Layer 2 and Layer 3 out in an ACI fabric.
E. The border leaws are ACI leaves that provide Layer 3 connections to outside networks.

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Correct Answer: BCE
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Border Leaves
The border leaves are ACI leaves that provide layer 3 connections to outside networks. Any ACI leaf can be a border leaf. These can also simply be called leaf switches. There is no limitation in the number of leaf switches that can be used as border leaws. The border leaf can also be used to connect to compute, IP storage, and service appliances. In large-scale design scenarios it may be preferred to haw border leaf switches separated from the leaws that connect to compute and service appliances for scalability reasons.
http://www. isco.com/c/en/us/sol tions/collateral/data -center-virtualization/application-ce ntric- inffastructure/white-paper-c07-732033.html

QUESTION 47
In which EPG is the consumer interface of an L4-L7 device places?

A. Shadow provider EPG
B. Shadow consumer EPG
C. Consumer EPG
D. Provider EPG

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Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 48
Which three statements are considered best practice when configuring an NFS appliance port on Cisco UCS? (Choose 3)

A. If storage is configured in actiw/passiw mode and both fabric interconnects require communication to the same controller, then the appliance port VLANs should be allowed on the upstream switches.
B. Cisco UCS supports static and link aggregation control protocol port channels for appliance port configuration. However, no virtual port channel support.
C. If storage and servers are located in the same subnets, then the appliance port VLSNA should be allowed on the upstream switch.
D. Use of the same VLAN for multiple storage protocol traffic is highly recommended to conserve VCLAN namespace use.
E. If storage must be accessed outside of the cisco UCS domain, then the appliance port VLANs should be allowed on the upstream switch.
F. Configuration of the VLAN tagging on the storage side and on the Cisco UCS side simultaneously is recommended.

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Correct Answer: ACE
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Why Appliance Port VLANs Should be Allowed on Uplinks
There are number of reasons why an upstream switch should allow storage appliance port traffic.
These include:
¦¦If storage must be accessed outside of the UCS domain.
-If storage and servers are located in different subnets.
-If storage is configured in Active/Passive mode and both fabric interconnects require
communication to the same controller.
-In certain failover scenarios.
http://www.cisco.eom/c/en/us/support/docs/servers-unified-computing/ucs-5100-series-blade-server-chassis/116075-ucs-app-connectivity-tshoot-00.html

QUESTION 49
Which OpenStack project, whose data can be used to provide customer billing, resource tracking, and alarming capabilities across all OpenStack core components, is a component of the telemetry project?

A. Trove

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B. Ceilometer
C. Heat
D. Ceph

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
http://docs.openstack.org/developer/ceilometer/
Ceilometer is a component of the Telemetry project. Its data can be used to provide customer billing, resource tracking, and alarming capabilities across all OpenStack core components.

QUESTION 50
Which three limitations or requirements do MP-BGP-Based EVPN addresses have compared to the initial IETF VXLAN standard (RFC 7348)? (Choose 3)

A. Scalability limitation due to data-driver flood-and-leam behavior.
B. Control-Plane learning of end-host layer 2 and layer 3 reachability information, which provides integrated bridging and routing in VXLAN overlay networks
C. Network flooding through protocol-based host MAC/IP router distribution and ARP suppression on the local VTEPs.
D. Active-passive multihoming at layer 2
E. Requirement to disable multicast for underlay forwarding.

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Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 51
Which Cisco UCS Director feature Provides API Information and API code generation capabilities that make it easy to see and work with all the available API's, including the REST API's and the JAVA API's?

A. Automation Feature set
B. REST API Browser
C. Report metadata
D. Orchestration feature set

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Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 52
Which statement about glean throttling in Cisco NX-OS is true?

A. When fbrewarding an incoming IP Packet in a line card, if the address resolution request for the next hop us not resolved, the line card forwards the packets to the supervisor. The supervisor resolves the MAC address for the next hop and programs the hardware.
B. The traffic shaping feature is cisco NX-os to avoid bottle necks in the network.
C. The traffic policing feature manages the maximum rate of traffic through a token bucket algorithm. The token bucket algorithm can use the user-configured values to determine the maximum rate of traffic allowed on an interface at a given moment in time.
D. Cisco NX-os supports a rate-limiting feature to manages the access bandwidth policy for network by ensuring that traffic falling within specified rate parameters is sent, while dropping packets that exceed the acceptable amount of traffic or sending them with a different priority.

Correct Answer: A
Section: (none)
Explanation

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Explanation/Reference:

QUESTION 53
Which platform support ITD?

A. NEXUS 7000, NEXUS 9000, NEXUS 6000, NEXUS 5000
B. NEXUS 7000, NEXUS 9000 ONLY
C. NEXUS 7000, NEXUS 9000, and NEXUS 6000 only
D. Nexus 700 with F3 line cards only.
E. Nexus 7000, Nexus 9000, and Nexus 5000 Only

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 54
Which three statements are considered best practice when directly connecting converged network adapters to the fabric?

A. Cisco Unified fabric links must be configured as access ports and FCoE VLAN must not be configured as a native VLAN.
B. A shared VLAn can be used to carry traffic for each virtual fabric in the SAN (for example, vlan 1002 for VSAN1, VSAN2, and so on)
C. Separate FCoE VLANS must be used for FCOE in SAN-A and SAN-B.
D. If the converged access switches (in the same SAN fabric or in the other) must be connected to each over Ethernet Links for the purposes of LAN alternate pathing, then such links must explicitly be configured to include all FCOE vlans. This configuration ensures to extend the scope of the spanning tree protocol for FCOE vlans to cisco unified fabric and non cisco unified fabric links.
E. Cisco UF links must be configured as spanning-tree edge ports.
F. If MSTP is enabled, a separate MST instance must be used for FCOE vlans.

Correct Answer: CEF
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 55
Which statement about VTP bombing is true?

A. It occurs when switches with different VTP versions are connected together. This situation may occur when a new switch is plugged into a stable VTP domain. The MAC address table of the new switch overrides the MAC address table of stable switches causing interruption of service.
B. It occurs when a client connects to a switch and launches distributed denial of service attack against the VTP domain. This attack is possible only if the client knows the VTP password.
C. It occurs when a server with a higher revision number and a wrong VTP database is inserted into the VTP domain. This situation may occur when a new switch is plugged into a stable VTP domain. The incorrect database is propagated to the domain and the earlier state database is overwritten.
D. It occurs because of configuration mismatch on VTPv3 switches. This problem can be avoided using a confirmation management tool.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

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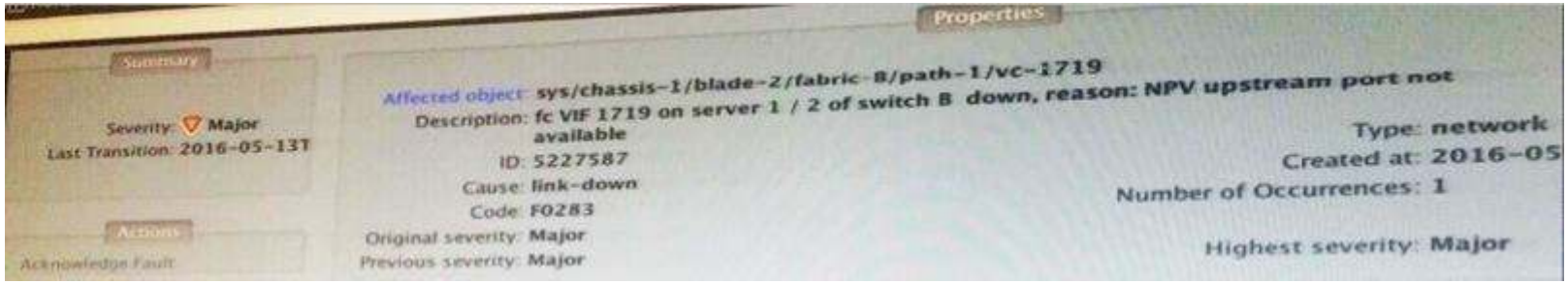
QUESTION 56
Refer to the exhibit. Which cause of this error is true?



A. The upstream switch port is disabled.
B. No interfaces have been configured as uplinks.
C. The upstream switch is in NPV mode.
D. The upstream vFC interface is disabled.
E. VSAN mismatch on an uplink.

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Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 57
The L4-L7 Services were configured in the APIC, but you see this fault under service graph. Which action is the best way to resolve the problem?

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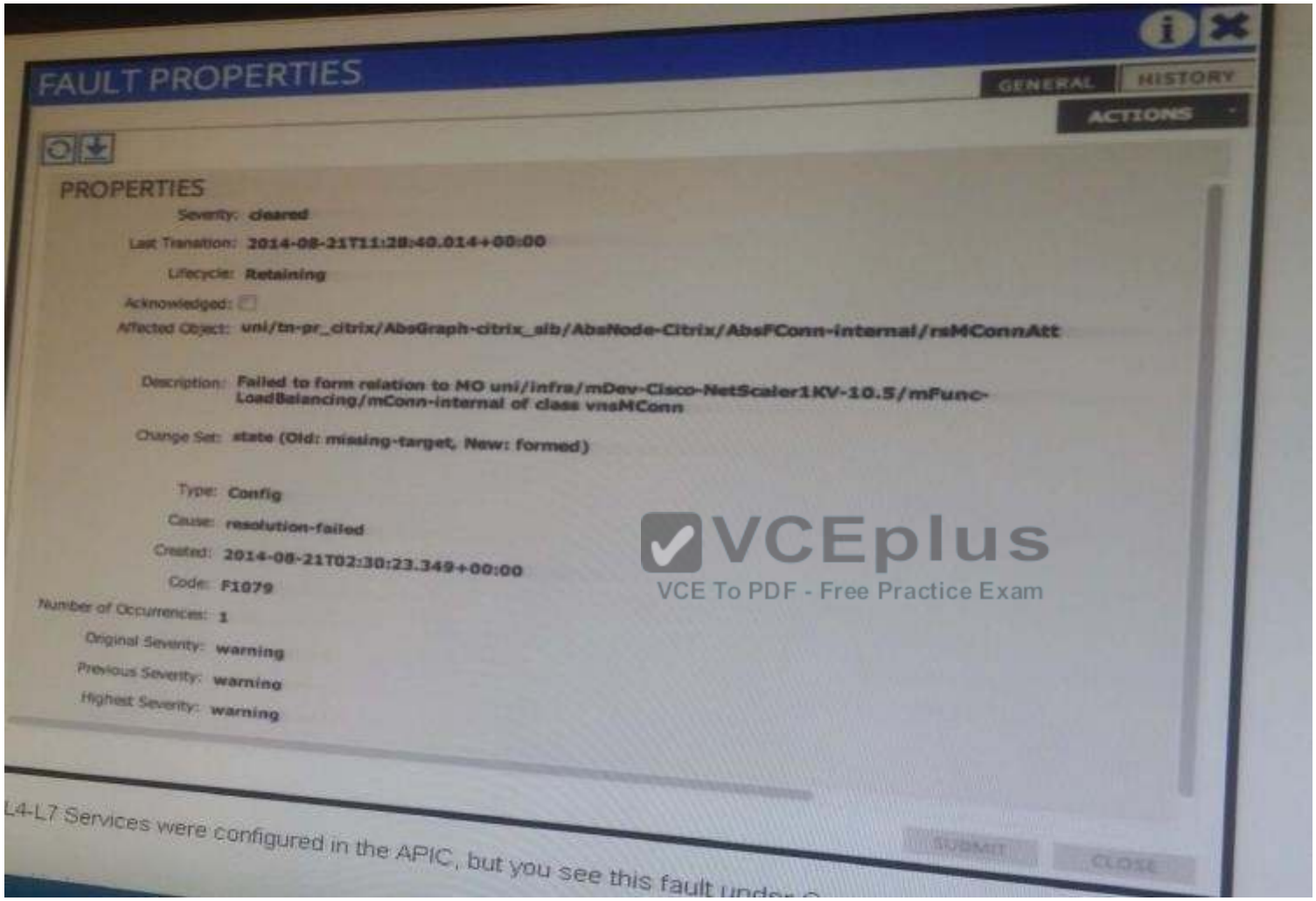

A. Delete the service graph and create it again
B. Reimport the divide package
C. Reset the NetScaler load balancer
D. This is a configuration issue, Make sure that unicast routing is enabled on the bridge domain that is associated with the interfaces that are connected to the citric load balancer

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Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 58
Which three statements are true about redistribution of routes from L3Outs in an ACI Fabric?
(Choose 3)

A. Routes are not redistributed to leaf switches where the same VRF is present
B. ACI fabric runs MP-BGP
C. Security import subnets control the forwarding of packets into and out o L3Out connections(data plane).
D. Routes learned from L3Outs on border leaf switches are not redistributed into MP-BGP at the ingress lead.
E. Route control subnets control the exchange of routing information(Prefixes) into and out of the fibric (control place)

Correct Answer: BCE
Section: (none)
Explanation

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Explanation/Reference:

QUESTION 59
Which cisco UCS Director features enables you to view the REST API URL for every report display in cisco UCS Director?

A. Orchestration features set
B. REST API Brower
C. Automation feature set
D. Report metadata

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

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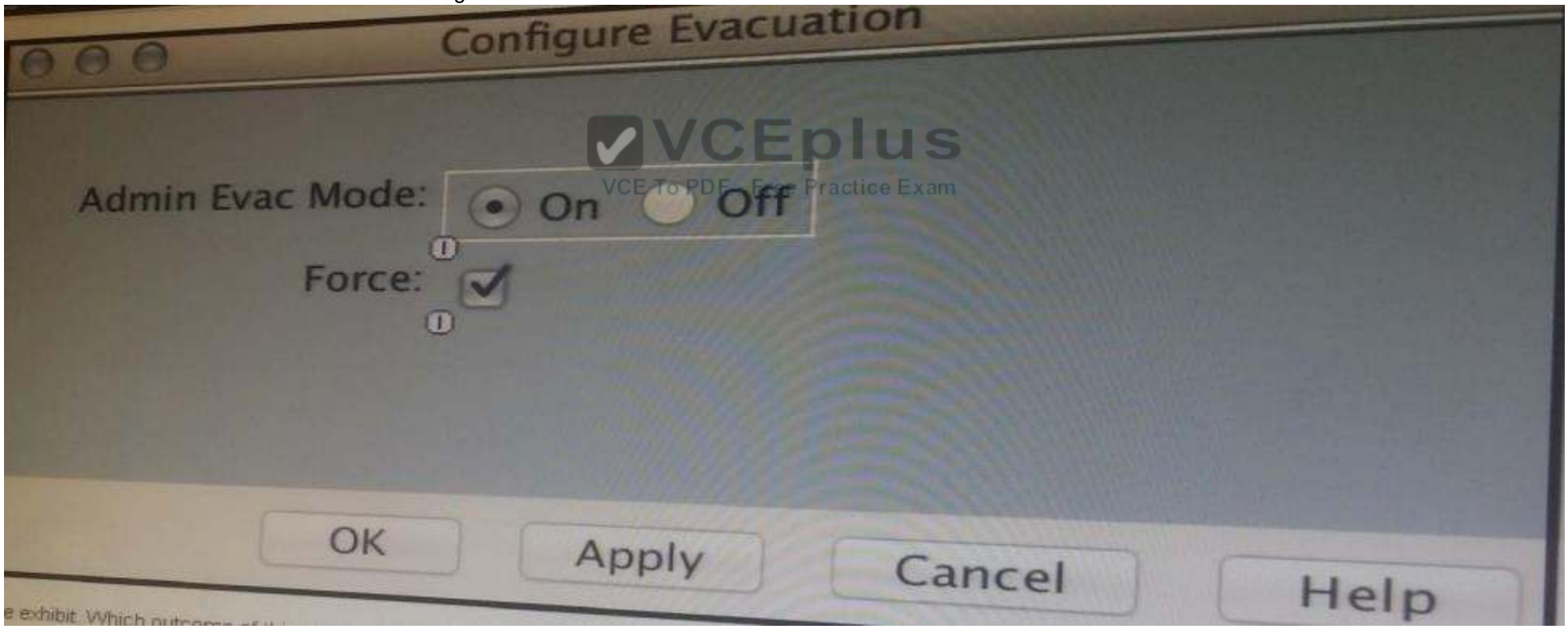
The REST API call can be made in one of the following ways:
Cisco UCS Director GUI - Cisco UCS Director provides a developer menu option to offer the report metadata and REST API Browser for developers. To access these features, enable the developer menu. For more information about how to enable the developer menu, see Enabling the Developer Menu Options.
On enabling the developer menu, you gain access to the following features:
Report Metadata - The report Metadata enables you to view the REST API URL for every report displayed in Cisco UCS Director. For more information about how to access Report Metadata, see Accessing the Report Metadata.
REST API Browser - The REST API Browser is accessible from the Orchestration menu of Cisco UCS Director. The REST API Browser provides API information and API code generation capabilities that make it easy to see and work with all the available APIs, including both the REST APIs and the Java APIs. For more information about how to access REST API Browser, see Using the REST API Browser.
REST Client - The REST Client is a useful widget for parsing and viewing API requests and responses. In this widget, you can enter a REST URL and apply an HTTP method such as POST, PUT, or DELETE to the URL for data manipulation. The REST Client provides a simple user interface for entering a URL to fetch data from the Cisco UCS Director server.

QUESTION 60
Refer to the exhibit. Which outcome of this configuration is true?



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A. All traffic ceases to flow through this fabric interconnect after a reboot
B. Servers ceases to use this fabric interconnect upon next reboot
C. Any newly created traffic flows do not use this fabric interconnect
D. All traffic ceases to flow through this fabric interconnect

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 61
Which three service request states are valid in cisco UCS director service request execution state? (Choose 3)

A. Failed
B. Running
C. Schedules
D. Listening
E. Debugging

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Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Service Requests
Service Requests are closely related to workflows. You create service requests by running workflows; a service request is generated every time you execute a workflow in Cisco UCS Director. A service request is a process under the control of Cisco UCS Director.
A workflow can be scheduled for later execution, and details of completed service requests are stored by Cisco UCS Director. Thus a service request can have one of several states depending on its execution status: it can be scheduled, running, blocked (for example, awaiting an approval; see Approvals), completed, or failed (a service request can fail when one of its component tasks fails to execute properly; see Rollback and Resubmitting a Service Request). http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/orchestration-guide/5- 4/b_UCS_Director_Orchestratio nGuid e_5_4/ bUCSDi rectorOrc hestratio n_Gui d e_5_4_chapte_011.html

QUESTION 62
Which three editing options of cisco UCS director workflow are valid? (Choose 3)

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A. Edit tasks in the workflow
B. Change an input from mandatory to optional
C. Reorder inputs
D. Rename a workflow
E. Delete inputs

Correct Answer: ACD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 63
Which three options are benefits of the vPC peers switch feature? (Choose 3)

A. It eliminates the recommendation to pin the STP root to the vPC primary switch.
B. It allows a pair of the vPC peer devices to appear as a single STP root in the Layer 2.
C. After the peer link comes up, it performs an ARP bulk sync over CFSoE to the peer switch.
D. It improves convergences for Layer 3 flows.
E. It simplifies STP configuration by configuration both vPCs with the same STP priority.

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Correct Answer: ABE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 64
Which protocol is best suited for wireless communication in an IoT deployment where sensors only have a power generating element (and do not have a battery)?

A. Bluetooth
B. ZigBee
C. WIFI
D. 3G/4G

Correct Answer: B

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Section: (none)
Explanation

Explanation/Reference:
Explanation:
ZigBee is low-power allowing battery-operated devices such as door and window sensors to operate for seven years. With the Green Power feature, you don't need any batteries! http://www.zigbee.org/zigbee-for-developers/zigbee3-0/

QUESTION 65
Which 3 statements about nxapi auth are true? (Choose 3)

A. NX-API performs authentication through a programmable authentication module on the switch. Using cookies reduces the Number of PAM authentication, which reduces the load on the PAM.
B. Use of nxapi_auth is optimal. This feature can be disabled to reduced authentication time and to support large number of API calls
C. After the first successful authentication, the username and password are NOT include in subsequent NX-API request that are sent to the device,
D. Expiration time of the nxapi-auth cookes can be changed up to the max of 1200 seconds
E. The nxapi_auth cookies expires in 600 seconds
F. After the first successful authentication ,the username and password are used with the session cookie to bypass performing the full authentication process again

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Correct Answer: AEF
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Security
NX-API supports HTTPS. All communication to the device is encrypted when you use HTTPS.
NX-API is integrated into the authentication system on the device. Users must have appropriate accounts to access the device through NX-API. NX-API uses HTTP basic authentication. All requests must contain the username and password in the HTTP header.
Note You should consider using HTTPS to secure your user's login credentials.
You can enable NX-API by using the feature manager CLI command. NX-API Is disabled by default.
NX-API provides a session-based cookie, nxapi_auth when users first successfully authenticate.
With the session cookie, the username and password are included in all subsequent NX-API requests that are sent to the device. The username and password are used with the session cookie to bypass performing the full authentication process again. If the session cookie is not included with subsequent requests, another session cookie isrequired and is provided by the authentication process. Awiding unnecessary use of the authentication process helps to reduce the workload on the device.
Note A nxapi_auth cookie expires in 600 seconds (10 minutes). This value is a fixed and cannot be adjusted.
NX-API performs authentication through a programmable authentication module (PAM) on the switch.
Use cookies to reduce the number of PAM authentications, which reduces the load on the PAM.

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QUESTION 66
Which options list the contents of the NSH header in service chaining?

A. base header, service path header, and context header
B. network header, service header, and transport header
C. Ethernet header, transport header, and application header
D. Base header, transport header, and optional header

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 67
Which 2 statement about cisco UCS director API access key are true? (Choose 2)

A. API access key is a shared secret that you must configure in Cisco UCS Director to enable REST API.
B. API access key is a unique security access key code that is associated with a specific Cisco UCS Director user account
C. API access key is unique for each API request
D. API access key is required for Cisco UCS Director to authenticate API request

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Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 68
Which 3 options are common PTP device types? (Choose 3)

A. Crystal clock
B. Ordinary clock
C. Sundials
D. Network clock
E. Boundary clock

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F. Transparent clock

Correct Answer: BEF
Section: (none)
Explanation

Explanation/Reference:

QUESTION 69
Refer to the exhibit. Which network script automation option or tool is used in the exhibit?

```
from socket import socket

def get_config(device, username, password):
    my_socket = socket()
    .....
```

A. Bach script
B. Python
C. NETCONF
D. REST
E. Cisco EEM

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Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 70
Which 3 benefits do VXLANs offer to VLANs? (Choose 3)

A. It provide better utilization of available paths in the overlay infrastructure
B. VLAN uses a 24-bit VNID to overcome the 4094 vlan scale limitation
C. VLAN uses a 16-bit VNID to overcome the 4094 vlan scale limitation
D. It provide a solution to extent layer 2 segment over a single layer 2 VLAN

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E. It provides a solution to extent layer 2 segments over a shared layer 3 routed network
F. It provides better utilization of available network paths in the underlay infrastructure

Correct Answer: BEF
Section: (none)
Explanation

Explanation/Reference:
Explanation:
VXLAN Overview
As its name indicates, VXLAN is designed to provide the same Ethernet Layer 2 network services as VLAN does today, but with greater extensibility and flexibility. Compared to VLAN, VXLAN offers the following benefits:
•Flexible placement of multitenant segments throughout the data center: It provides a solution to extend Layer 2 segments over the underlying shared network infrastructure so that tenant workload can be placed across physical pods in the data center.
•Higher scalability to address more Layer 2 segments: VLANs use a 12-bit VLAN ID to address Layer 2 segments, which results in limiting scalability of only 4094 VLANs. VXLAN uses a 24-bit segment ID known as the VXLAN network identifier (VNID), which enables up to 16 million VXLAN segments to coexist in the same administratis domain.
•Better utilization of available network paths in the underlying infrastructure: VLAN uses the Spanning Tree Protocol for loop prevention, which ends up not using half of the network links in a network by blocking redundant paths. In contrast, VXLAN packets are transferred through the underlying network based on its Layer 3 header and can take complete advantage of Layer 3 routing, equal-cost multipath (ECMP) routing, and link aggregation protocols to use all available paths.
VXLAN Encapsulation and Packet Format
VXLAN is a Layer 2 overlay scheme over a Layer 3 network. It uses MAC Address-in-User Datagram Protocol (MAC-in-UDP) encapsulation to provide a means to extend Layer 2 segments across the data center network. VXLAN is a solution to support a flexible, large-scale multitenant environment over a shared common physical infrastructure. The transport protocol over the physical data center network is IP plus UDP.
http://www.cisco.eom/c/en/us/products/collateral/switches/nexus-9000-series-switches/white- paper-c11 -729383.html

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QUESTION 71
According to cisco, which 2 options are benefits of ITD compared to WCCP? (Choose 2)

A. Require less TCAM entries
B. Transparent for service mode
C. Much less configuration
D. Does not require authentication or certificates
E. Weighted load distribution

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:

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Explanation:
https://supportfbrums.cisco.com/blog/12405286/itd-deploying-wae-devices-while-overcoming-deflciencies-wccp

Feature/Benefit	N7k WCCP	N7k ITD
Appliance is unaware of the protocol	No	Yes
Protocol support	IPv4	IPv4, IPv6
Number of TCAM entries (say, 100 SVI, 8 nodes, 20 ACEs)	Very High 16000	Very low 160
Weighted load-balancing	No	Yes
User can specify which bits to use for load-balancing	No	Yes
Number of nodes	32	256
Support for IPSLA probes	No	Yes
Support for Virtual IP	No	Yes
Support for L4-port load-balancing	No	Yes
Capability to choose src or dest IP for load-balancing	No	Yes
Customer support needs to look at switch only, or both the switch and appliance	Both	Switch only
Sup CPU Overhead	High	None
DCNM Support	No	Yes

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QUESTION 72

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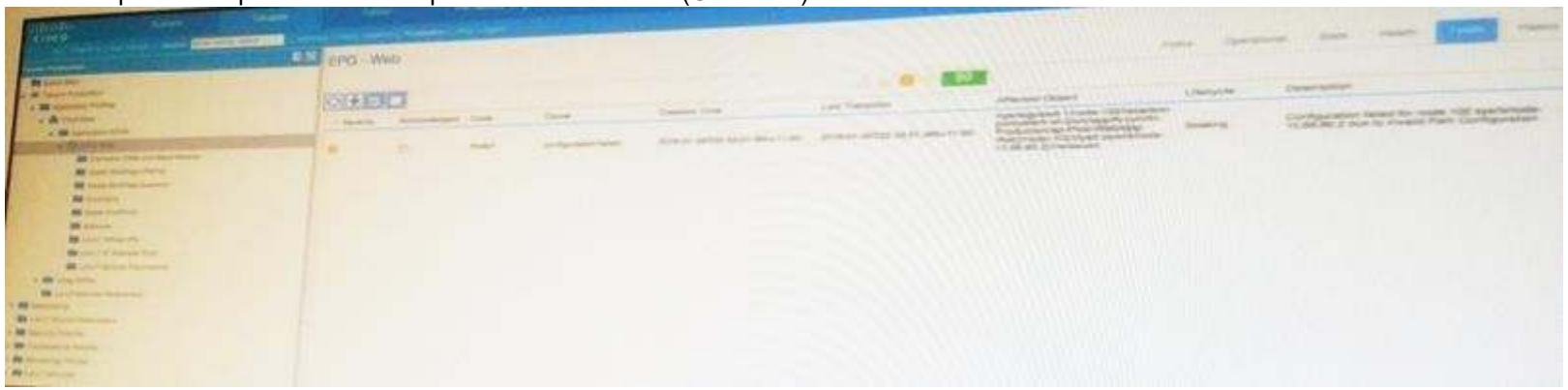
Refer to the exhibit. Your application has reduced health score. Upon inspection, you find fault that impacts the health score. The fault currently is the soaking lifecycle state.
Which 2 options are possible next steps while in this state? (Choose 2)



A. The condition ceases by itself and goes into the soaking- cleaning state
B. The soaking timer expires and moves to the Raised severity level
C. Acknowledge the fault, which immediately clears it from the system
D. The condition ceases by itself and automatically clears the fault

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Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

QUESTION 73
Refer to the exhibit. Which outcome of this configuration is true?

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A. Fabric interconnect can view neighbor switches
B. It displays cisco UCS central on the UCSM portal page
C. It enable call home polices to take effect
D. It enable the CIM xml SERVICE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 74
Which option is achieved by enabling FabricPath?

A. Loop prevention and mitigation without the use of spanning-tree
B. Layer 3 multipathing In the Fabricpath network
C. Single control plane only far multicast traffic
D. Decreases the mobility and virtualization

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Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
http://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/6_x/nx- os/fabricpath/configuration/guide/b-Cisco-Nexus-7000-Series-NX-OS-FP-Configuration-Guide- 6x/b-Cisco-Nexus-7000-Se ries-NX-OS-FP-Configuration-Guide-6x_chapter_010.html The FabricPath feature provides the following:
-Allows Layer 2 multipathing in the FabricPath network.
-Provides built-in loop prevention and mitigation with no need to use the Spanning Tree Protocol (STP).
-Provides a single control plane far unknown unicast, unicast, broadcast, and multicast traffic.
-Enhances mobility and virtualization in the FabricPath network.

QUESTION 75
Which Four options are part of Cisco ONE Enterprise cloud suite product portfolio?

A. Cisco Open SDN Controller
B. Application Policy Infrastructure Controller

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C. Cisco Intecloud Fabric for Bisness
D. Cisco UCS Director
E. Cisco Prime Service Catalog
F. Cisco Virtual Application Container Services

Correct Answer: CDEF
Section: (none)
Explanation

Explanation/Reference:

QUESTION 76
Which IETF standard is the most efficient messaging protocol used in an IoT network?

A. CoAP
B. SNMP
C. HTTP
D. MQTT

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Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 77
How do your preprovision a Cisco UCS chassis?

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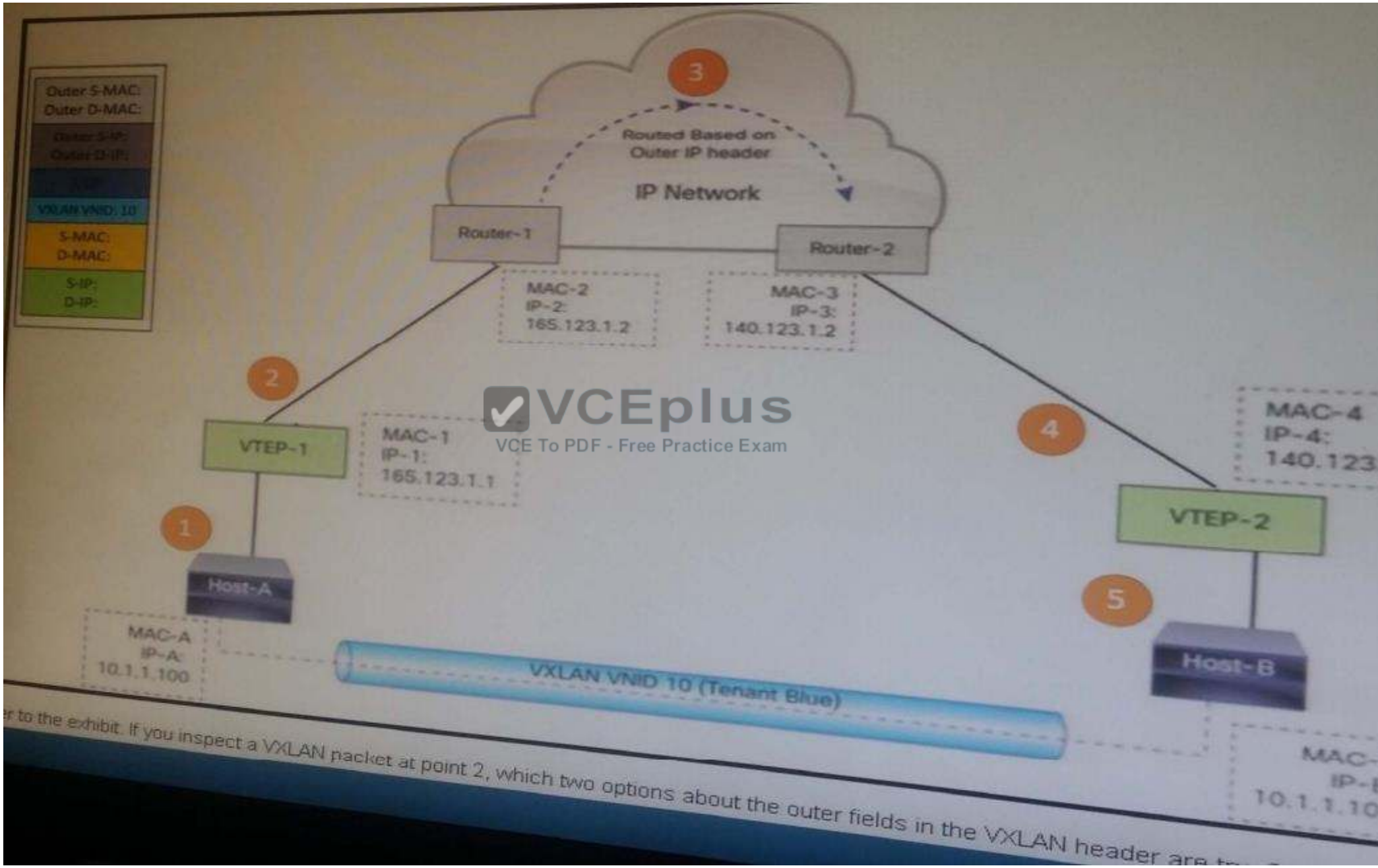

r to the exhibit. If you inspect a VXLAN packet at point 2, which two options about the outer fields in the VXLAN header are tr

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A. Associate a service profile template to the chassis.
B. Configure server pool policies for the chassis
C. Associate service profiles to each slot.
D. Select preprovision from the general menu of the chassis.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 78
Refer to the Exhibit. If you inspect a VLAN packet at point2, which two options about the outer fields in the VXLAN header are true? (Choose two.)

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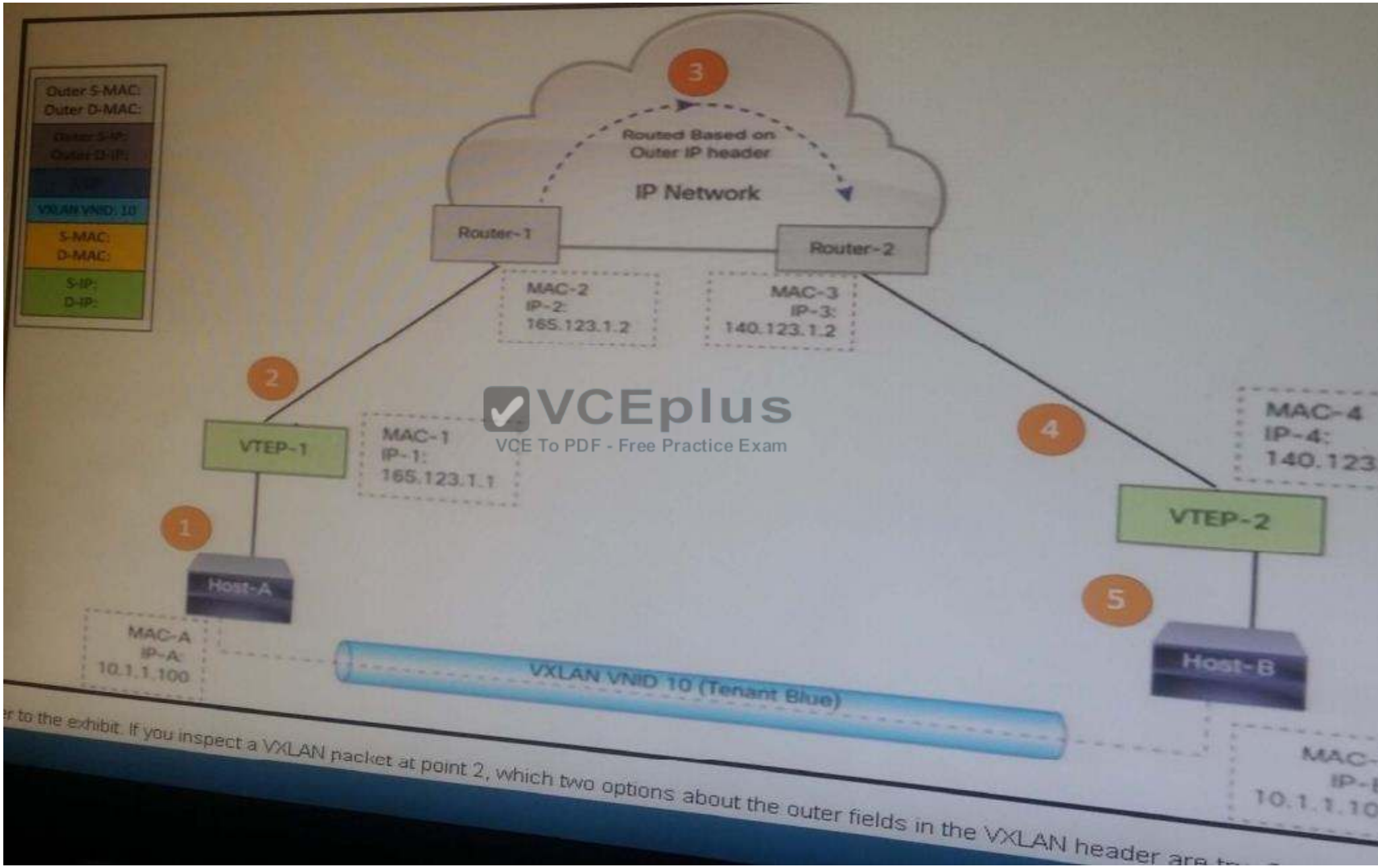

r to the exhibit. If you inspect a VXLAN packet at point 2, which two options about the outer fields in the VXLAN header are tr

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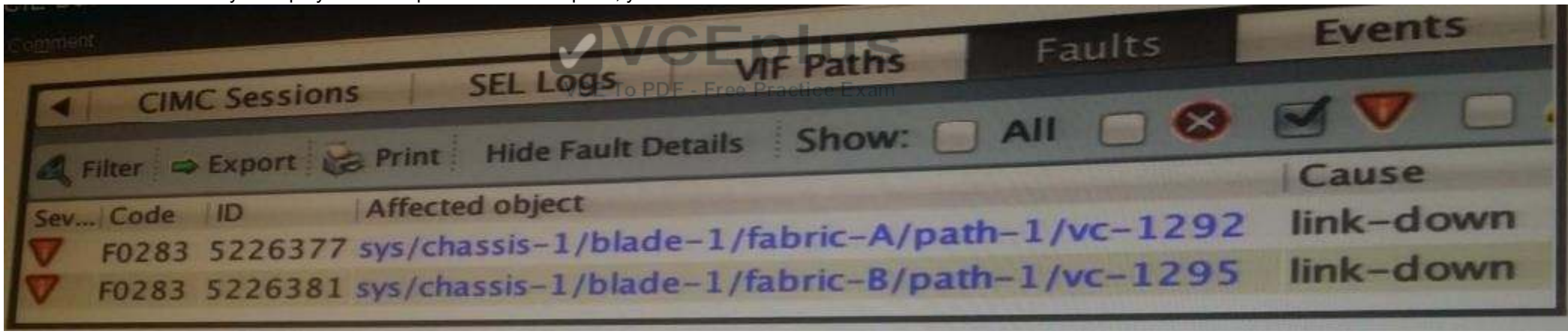
A. Outer S-MAC = MAC-A; Outer D-MAC = MAC-B
B. Outer S-MAC = MAC 1; Outer D-MAC = MAC-4
C. Outer S-IP = IP-A; Outer D-IP = IP-B
D. Outer S-IP = IP-1; Outer D-IP = IP-4
E. Outer S-IP = IP-1; Outer D-IP = IP-2
F. Outer S-MAC = MAC 1; Outer D-MAC = MAC-2

Correct Answer: DF
Section: (none)
Explanation

Explanation/Reference:

QUESTION 79
Refer to the exhibit. After you deploy a service profile form a template, you encounter these two errors. Which action is needed to resolve this issue?



A. Associate the service profile
B. Install an operating system
C. Reset the server in the server general subtab.
D. Remove the server from maintenance mode.
E. Associate a vNIC template to the service profile template.

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Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 80
Refer to the exhibit. IRD is configured as shown on a cisco nexus 7000 switch, why is ping to VIP address still not working?

```
itd TEST
 device-group TAC
 virtual ip 192.168.30.1 255.255.255.255 advertise enable
 ingress interface Vlan20
 failaction node reassign
 load-balance method src ip buckets 2
 no shut

itd device-group TAC
 node ip 192.168.40.100
 node ip 192.168.40.101

interface vlan 20
ip address 192.168.20.1 255.255.255.0
```

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A. VIP must be from the same subnet as the ingress interface
B. Fail action is set to the wrong mode.
C. To ping VIP, you must add a probe to the device group.
D. This behavior is normal.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 81
Which description of how to enable the Flex Flash Controller auto-sync function on the B200M4 blade is true?

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A. Configure a storage policy for FX3S
B. Enable auto-sync in the servers > inventory > storage subtab.
C. Configure a storage connection policy to use auto-sync.
D. Configure a local disk policy for FlexFlash.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 82
Which two options are functions of the 6LowWPAN header? (Choose 2)

A. IPv6 header compression
B. Cyclic redundancy check
C. Layer 3 encryption
D. Limit the lifespan of the packer (TTL)
E. Packet fragmentation and reassembly

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Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 83
Refer to the exhibit. Assuming no traffic engineering has been configured, what is the link speed of port channel 200?

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```
switch101# show fspf vsan 200 interface port-channel 200

FSPF interface port-channel 200 in VSAN 200
FSPF routing administrative state is active
Interface cost is 125
Timer intervals configured, Hello 40 s, Dead 80 s, Retransmit 5 s
FSPF State is INIT
Statistics counters :
Number of packets received : LSU 3 LSA 3 Hello 136 Error packets 3
Number of packets transmitted : LSU 3 LSA 3 Hello 182 Retransmitted LSU 0
Number of times inactivity timer expired for the interface = 0
```

A. 8 Gbps
B. 4 Gbps
C. 1 Gbps
D. 6 Gbps

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 84
Refer to the exhibit. SwitchA and switchB have these zone sets currently active and are connected by an ISL that Is configured to transport VSA Enhanced zoning is configured for VSAN, and merge-control is set to restrict.
Which statement about this configuration is true?

```
switchA# show zoneset active vsan 2

zoneset name ZoneSet1 vsan 2
zone name Zone1 vsan 2
* pwwn 22:35:00:0c:85:e9:d2:c2
* pwwn 10:00:00:00:c9:32:8b:a8
```

```
switchB# show zoneset active vsan 2

zoneset name ZoneSet1 vsan 2
zone name Zone1 vsan 2
* pwwn 22:35:00:0c:85:e9:d2:c2
* pwwn 10:00:00:00:c9:32:8b:a8

zone name Zone2 vsan 2
* pwwn 22:35:00:0c:85:e9:d2:43
* pwwn 10:00:00:00:c9:23:8b:21
```

A. Enhanced zoning is configured, so the user is prompted on the CLI to permit or deny Zbne2 into the active zone set.

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B. Zone merge fails because the currently active zone sets are not identical.
C. Zone merge successes and the resulting zone set matches switch.
D. Zone merge fails because merge-control set to restrict, which means that merges are never permitted.
E. Zone merge succeeds but Zbne2 is dropped from the active zone set because it is not currently included in the active zone set in switchA

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 85
Which two options are different ways to extend the layer 3 domain beyond the ACI Fabric? (Choose 2).

A. Extend the bridge domain out of the ACI fabric
B. Extend VETP out of the ACI fabric
C. Extend the EPG out of the ACI fabric
D. Configure fabric access polices on the ACI fabric to match the port settings at the remote end.

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Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 86
How do you manually configure a VNIC MAC address?

A. Modify the dynamic vNIC connection policy.
B. Use the mac-address-table-static command.
C. Use the set identity dynamic-mac command
D. Modify the adapter policy

Correct Answer: C
Section: (none)
Explanation

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Explanation/Reference:
Explanation:
http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-2/b_UCSM_GUI_Configuration_Guide_2_2/b_UCSM_GUI_Configuration_Guide_2_2_chapter_010101.html

QUESTION 87
Cisco UCS Director provides an option to offer the report metadata and REST API Browser for developers. Which configuration step is needed in Cisco UCS Director to enable this feature?

A. Enable the developer Menu.
B. Enable report metadata.
C. Enable the debugging menu.
D. Enable the rest api.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 88
In which location can device package logs be found?

A. /data/<device package name>/logs
B. /data/devicescript/logs
C. /var/sysmgr/tmp_logs/<device package name>/logs
D. /data/devicescript/<device package name>/logs
E. /var/logs/dme/log/<device package name>/logs

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 89

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In cloud computing, which statement best describes a hybrid cloud?

A. A service cloud that provides compute servers to multiple tenants.
B. A cloud architecture that combines different cloud offerings such as infrastructure as a service and software as a service.
C. A type of infrastructure as a service cloud that provides ad hoc storage.
D. A cloud architecture where there is a data exchange between public and private cloud offerings

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 90
which two guidelines apply to private VLAN configuration when you are running FabricPath? (Choose 2)

A. FabricPath ports can be put into a private vlan.
B. On the F-series modules, user-configured static MAC addresses are programmed on all forwarding engines that have ports in the VLAN.
C. All VLANS in a private VLAN must be in the same VLAN mode; either CE or fabric path.
D. The system does support hierarchical static MAC addresses.

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Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 91
Which two statements about IP-directed broadcast are true? (Choose 2)

A. The destination address in the IP header of the packet is rewritten to the configured IP broadcast address for the subnet, and the packet is sent as a link-layer broadacast.
B. All switches in the network forward an ip-directed broadcast in the same way they forward multicast IP packets.
C. An IP-directed broadcast is an IP packet whose destination address is a valid broadcasts address, and it originates from a node that is also part of the same subnet.
D. A switch that is not directly connected to its destination subnet forwards an ip-directed broadcast in the same way it forwards unicast IP packets destined to a host on that subnet.

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Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 92
In an ACI fabric, which three types of interface are supported on border leaf switches to connect to an external router? (Choose 3)

A. Any interfaces that supports VXLAN encapsulation
B. Subinterface with 802.1 Q tagging
C. Layer 3 interface
D. 10GBE interface
E. Switch virtual interface

Correct Answer: BCE
Section: (none)
Explanation

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Explanation/Reference:
Explanation:
http://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric- inffastructure/white-paper-c07-732033. ht m I Border Leaves
The border leaves are ACI leaves that provide layer 3 connections to outside networks. Any ACI leaf can be a border leaf. These can also simply be called leaf switches. There is no limitation in the number of leaf switches that can be used as border leaves. The border leaf can also be used to connect to compute, IP storage, and service appliances. In large-scale design scenarios it may be preferred to have border leaf switches separated from the leaves that connect to compute and service appliances for scalability reasons.
Three different types of interfaces are supported on a border leaf switches to connect to an external router:
•Layer 3 interface
•Sub-interface with 802.1Q tagging - With sub-interface, the same physical interface can be used to provide a layer 2 outside connection for multiple private networks
•Switched Virtual Interface (SVI) - With an SVI interface, the same physical interface that supports layer 2 and layer 3 and the same physical interface can be used for a layer 2 outside connection as well as a layer 3 outside connection

QUESTION 93
Why is a Cisco UCS B250 server unable to support 16-GB DIMMs?

A. Dual-rank DIMMs are not supported.
B. 16-GB DIMMs are too slow.

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C. The largest DIMM an Intel 55xx or 56xx CPU can address is 32 GB.
D. The memory bus would be too long.
E. The blade would run too hot.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 94
Refer to the exhibit. Which two things can be determined from the SEL log output? (Choose two.)

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```
   1b | 01/08/2011 19:25:18 | CIMC | Memory DDR3_P2GP2A0
_ECC #0xa6 | Upper critical - going high | Asserted |
Reading 253 > Threshold 10 error

    1c | 01/08/2011 19:25:18 | CIMC | Memory DDR3_P2GP2A0
_ECC #0xa6 | Upper Non-recoverable - going high |
Asserted | Reading 253 > Threshold 15 error

    1d | 01/08/2011 19:25:18 | CIMC | Platform alert
LED_BLADE_STATUS #0xb9 | LED is blinking fast | Asserted

    1e | 01/08/2011 19:25:18 | CIMC | Platform alert
LED_BLADE_STATUS #0xb9 | LED color is amber | Asserted

    1f | 01/08/2011 19:25:20 | CIMC | Memory DDR3_P2GP2A1
_ECC #0xa7 |

    20 | 01/08/2011 19:25:23 | CIMC | Memory DDR3_P2GP2A0
_ECC #0xa6 |

    21 | 01/08/2011 19:25:25 | CIMC | Memory DDR3_P2GP2A1
_ECC #0xa7 |

    22 | 01/08/2011 19:25:25 | CIMC | Memory DDR3_P2GP2A1
_ECC #0xa7 | Upper critical - going high | Asserted |
Reading 253 > Threshold 10 error

    23 | 01/08/2011 19:25:25 | CIMC | Memory DDR3_P2GP2A1
_ECC #0xa7 | Upper Non-recoverable - going high |
Asserted | Reading 253 > Threshold 15 error

    24 | 01/08/2011 19:25:36 | CIMC | Memory DDR3_P2GP2A1
_ECC #0xa7 |

    25 | 01/08/2011 19:25:48 | CIMC | Memory DDR3_P2GP2A1
_ECC #0xa7 |
```

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A. The server experienced a crash.
B. The server experienced correctable memory errors.
C. DIMMs in channel 2 are experiencing memory errors.
D. DIMMs in channel 0 are experiencing memory errors.
E. Memory errors have crossed two thresholds.

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Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 95
Refer to the exhibit. Which two things can be determined from SEL log output? (Choose two)

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```
1b | 01/08/2011 19:25:18 | CIMC | Memory DDR3_P2GP2A0
_ECC #0xa6 | Upper critical - going high | Asserted |
Reading 253 > Threshold 10 error

1c | 01/08/2011 19:25:18 | CIMC | Memory DDR3_P2GP2A0
_ECC #0xa6 | Upper Non-recoverable - going high |
Asserted | Reading 253 > Threshold 15 error

1d | 01/08/2011 19:25:18 | CIMC | Platform alert
LED_BLADE_STATUS #0xb9 | LED is blinking fast | Asserted

1e | 01/08/2011 19:25:18 | CIMC | Platform alert
LED_BLADE_STATUS #0xb9 | LED color is amber | Asserted

1f | 01/08/2011 19:25:20 | CIMC | Memory DDR3_P2GP2A1
_ECC #0xa7 |

20 | 01/08/2011 19:25:23 | CIMC | Memory DDR3_P2GP2A0
_ECC #0xa6 |

21 | 01/08/2011 19:25:25 | CIMC | Memory DDR3_P2GP2A1
_ECC #0xa7 |

22 | 01/08/2011 19:25:25 | CIMC | Memory DDR3_P2GP2A1
_ECC #0xa7 | Upper critical - going high | Asserted |
Reading 253 > Threshold 10 error

23 | 01/08/2011 19:25:25 | CIMC | Memory DDR3_P2GP2A1
_ECC #0xa7 | Upper Non-recoverable - going high |
Asserted | Reading 253 > Threshold 15 error
```

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A. The server experienced a crash.
B. DIMMs in channel 2 are experiencing memory errors.
C. DIMMs in channel 0 are experiencing memory errors.
D. The server experienced correctable memory errors.
E. Memory errors have crossed two thresholds.

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 96
Which two statements about FabricPath are true? (Choose two)

A. Multi-destination trees are built to create a loop-tree topology for unicast traffic.
B. FabricPath interfaces send and receive Ethernet and FabricPath encapsulated packets.
C. FabricPath is supported on Cisco Nexus 7000 on all module types.
D. FabricPath switch should always be the root for a spanning tree network attached to it.
E. Spanning tree does not run inside a FabricPath network.

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Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 97
Refer to the exhibit. The switch is running Fabricpath, however the CE port e1/9 is not on spanning tree forwarding. Which option describes the possible cause?

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```
Switch1# show spanning-tree
VLAN0001
  Spanning tree enabled protocol rstp
  Root ID    Priority    32769
             Address     c84c.75fa.6000
             This bridge is the root
             Hello Time  2  sec  Max Age 20 sec  Forward Delay 15 sec

  Bridge ID  Priority    32769  (priority 32768 sys-id-ext 1)
             Address     c84c.75fa.6000
             Hello Time  2  sec  Max Age 20 sec  Forward Delay 15 sec

Interface        Role Sts Cost      Prio.Nbr Type
---------------- ---- --- --------- -------- --------------------------------
Eth1/9           Desg BKN*4         128.137  P2p Peer(STP) *L2GW_Inc
```

A. Switch 1 is receiving better BPDU on E1/9.
B. Bridge assurance is configured on switch 1 E1/9 but not configured on the facing interface.
C. Switch 1 is not configured with FabricPath.
D. Loopguard feature is blocking the port.

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Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 98
Refer to the exhibit Server 1 and server 2 are on the same VLAN but cannot reach each other. Which option describes the reason?

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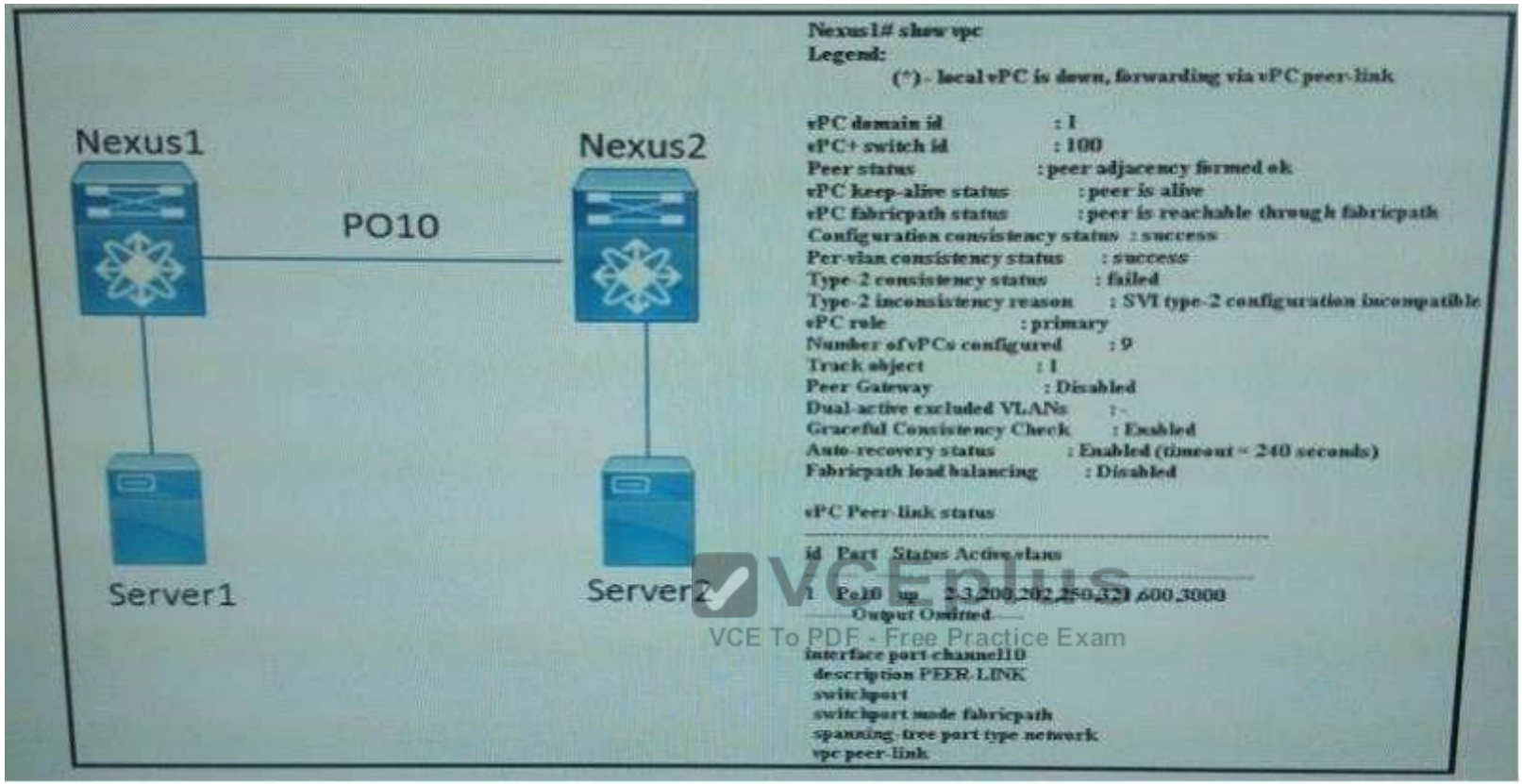

A. Interface VALN (SVI) must be configured for this VLAN.
B. VLAN is not allowed on the peer link.
C. VLAN is not on FabricPath mode.
D. Type2 inconsistency prevents the communication.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 99
FabricPath brings the benefits of routing protocols to Layer 2 network Ethernet environments. Which thee options describe advantages of using FabricPath technology? (Choose three.)

A. MAC address scalability with conversational learning
B. loop mitigation with TTL in the frame field
C. Spanning Tree Protocol independence
D. 10-Gb/s bandwidth
E. Layer 2 extensions between data centers

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 100
In the Cisco Nexus 7000 FabricPath domain, one switch becomes the root for the multidestination tree. Cisco FabricPath IS-IS will automatically select root switches for each multidestination tree. One of the parameters that is used to select the root is the system ID. Which two statements are true about the system ID? (Choose two.)

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A. The system ID is a unique 12-bit value.
B. The system ID is a 48-bit value composed of the VDC MAC address.
C. A higher system ID is preferred.
D. A lower system ID is preferred.

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 101
After configuring FabricPath, the following message appears in the syslog:
%STP-2-L2GW_BACKBONE_BLOCK: L2 Gateway Backbone port inconsistency blocking port port-channelIOO on VLAN0010.
What is a possible reason for this message?

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A. Spanning tree must be disabled, and the message indicates that STP is enabled.
B. STP is misconfigured. The root guard must be disabled.
C. An inferior BPDU was received on a Cisco FabricPath edge port.
D. A superior BPDU was received on a Cisco FabricPath edge port.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 102
Cisco FabricPath switches support ECMP forwarding for known unicast frames. If the destination switch ID can be reached through more than one output interface with equal cost, the forwarding engine uses a hash function to pick one of the interfaces. Which three options are valid for hash input for unicast frames? (Choose three.)

A. Use only the source parameters (layer-3, layer-4, or mixed).
B. Use the FabricPath switch ID in the FabricPath header.
C. Use only the destination parameters (layer-3, layer-4, or mixed).
D. Use both the source and the destination parameters (layer-3, layer-4, or mixed).
E. Include only Layer 2 input (source or destination MAC address).

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Correct Answer: ACD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 103
In a FabricPath network, known unicast traffic is sent with the outer destination address populated with the destination SID, SSID, and local ID. Which statement describes the outer destination address in the case of unknown unicast?

A. The outer destination address is a reserved multicast MAC address known as MC1 (010F.FFC2.02C0).
B. The outer destination address is a broadcast address (FFFF.FFFF.FFFF).
C. The outer destination address is not required because FabricPath uses the FTag to forward unknown unicast.
D. The outer destination address is a reserved multicast MAC address known as MC1 (010F.FFC1.01C0).

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Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 104
The Cisco nexus 1000V Switch uses a multi hypervisor licensing approach.
Which three statements are true? (Choose three.)

A. The Essentials edition comes with a 180-day trial for the Advanced edition.
B. An advanced edition license is required for each CPU socket on each VEM.
C. The VXLAN gateway is included in the Essential edition license.
D. The Cisco Nexus 1000 v switch supports Essential and Advanced license editions.
E. Only the Advance edition license is supported with multihypervisor.
F. You can migrate the license from a Cisco Nexus 1000V Switch for KVM to a Cisco Nexus 1000V Switch for VMware.

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Correct Answer: BDF
Section: (none)
Explanation

Explanation/Reference:
Explanation:
http://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus1000/sw/4_2_1_s_v_2_2_2/license/b_Cisco_N1 KV_Universal_License_Config/
b_Cisco_N1KV_License_Config_521SK111_chapt er OI.html

QUESTION 105
Which solution is preferred for predictable traffic in a vMware environment running Cisco Nexus 1000v Series switches?

A. end-host mode
B. fabric failover mode
C. client mode
D. server mode
E. standalone mode

Correct Answer: A
Section: (none)

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Explanation

Explanation/Reference:
Explanation:
http://www.cisco.com/c/en/us/products/collateral/switches/nexus-1000v-switch-vmware- \sphere/white_paper_c11-558242.html

QUESTION 106
Refer to the exhibit. Which three statements are true? (Choose three.)

SERVER INTERFACE	VSAN	FCID	PORT NAME	NODE NAME	EXTERNAL INTERFACE
vfc969	2000	0xb80602	20:00:00:25:b5:01:16:2d	20:00:00:25:b5:a1:16:2e	San-po15
vfc971	2002	0xbc0022	20:00:00:25:b5:01:16:07	20:00:00:25:b5:a1:16:2e	fc1/43
vfc972	2000	0xb80607	20:00:00:25:b5:01:16:0e	20:00:00:25:b5:a1:16:1f	San-po15
vfc974	2002	0xbc0023	20:00:00:25:b5:01:16:16	20:00:00:25:b5:a1:16:1f	fc1/43
vfc975	2000	0xb80601	20:00:00:25:b5:01:16:1f	20:00:00:25:b5:a1:16:0f	San-po15
vfc977	2002	0xbc0024	20:00:00:25:b5:01:16:25	20:00:00:25:b5:a1:16:0f	fc1/43
vfc978	2000	0xb80606	20:00:00:25:b5:01:16:1b	20:00:00:25:b5:a1:16:0d	San-po15
vfc980	2002	0xbc0025	20:00:00:25:b5:01:16:29	20:00:00:25:b5:a1:16:0d	fc1/43
vfc981	2000	0xb80603	20:00:00:25:b5:01:16:2b	20:00:00:25:b5:a1:16:2d	San-po15
vfc983	2002	0xbc0026	20:00:00:25:b5:01:16:09	20:00:00:25:b5:a1:16:2d	fc1/43
vfc984	2000	0xb80605	20:00:00:25:b5:01:16:0c	20:00:00:25:b5:a1:16:1e	San-po15
vfc986	2002	0xbc0027	20:00:00:25:b5:01:16:18	20:00:00:25:b5:a1:16:1e	fc1/43
vfc987	2000	0xb80604	20:00:00:25:b5:01:16:1d	20:00:00:25:b5:a1:16:0e	San-po15
vfc989	2002	0xbc0028	20:00:00:25:b5:01:16:27	20:00:00:25:b5:a1:16:0e	fc1/43

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A. Zoning is configured on the upstream SAN switch
B. Storage is attached directly to Cisco UCS.
C. There are 14 blades active in the system.
D. The Cisco UCS Manager is in switch mode.
E. Two separate physical SAN switches are upstream of Cisco UCS.
F. There are 7 blades active in the system.
G. The Cisco UCS Manager is in end-host mode.
H. Zoning is configured on Cisco UCS Manager.

Correct Answer: AFG
Section: (none)
Explanation

Explanation/Reference:

QUESTION 107
Which two statements about end-host mode are true? (Choose two.)

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A. In end-host mode, if a vNIC is hard pinned to an uplink port and this uplink port goes down, the system repms the vMIC, and the vNIC go
B. End-host mode allows the fabric in interconnect to act as an end host to the network, representing all servers (hosts) connected to it through vNICs.
C. End-host mode is the default Ethernet switching mode.
D. In end-host mode, the fabric interconnect runs the 5pann,ng Tree Protocol to avoid loops.
E. In end-host mode, If a vNIC is hard pinned to an uplink port and this uplink port goes down, the system repins the vNIC but the vNIC remain down until manual intervention.

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:
http://www.cisco.com/c/en/us/solutions/collateral/data-center-virtu alization/unifi ed -
computing/whitepaper_c11 -701962.html

QUESTION 108
Dynamic ARP inspection ensures that only valid ARP requests and responses are relayed. Which three activities does a Cisco NX-OS device perform when DAI is

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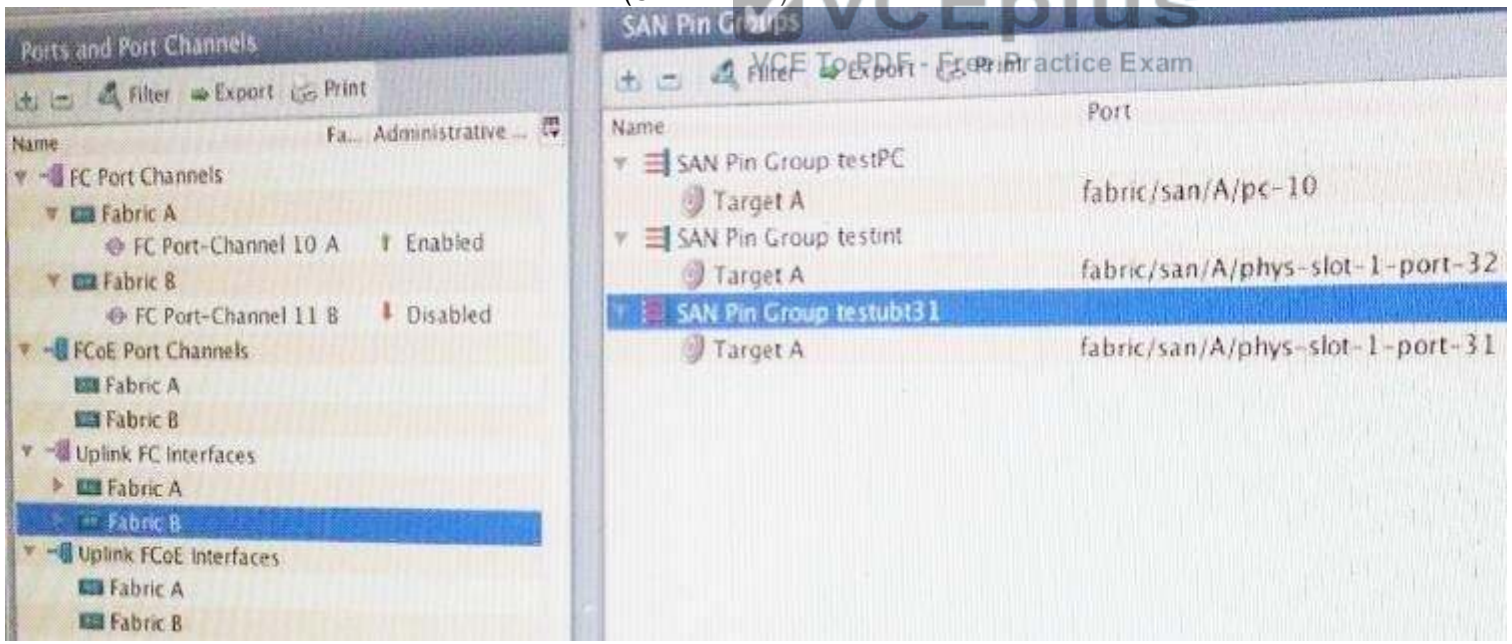
enabled and properly configured? (Choose three)

A. Intercepts ARP requests and responses only on untrusted ports.
B. Verifies that each of these intercepted packets has a valid IP-to-MAC address binding based only on DHCP snooping binding database or statically created entries.
C. Intercepts ARP requests and responses on all ports.
D. Pass-through an invalid ARP packets.
E. Drops invalid ARP packets.
F. Verifies that each of these intercepted packets has a valid IP-to-MAC address binding based only on DHCP snooping binding database.

Correct Answer: ABE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 109
Refer to the exhibit. Which two statements are true? (Choose two.)



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A. Three pin groups are configured: one for the port-channel 10 in fabric interconnect B, one for int el/32 in fabric interconnect B, and one for int e1/31 in fabric interconnect
B. Changing the target interface for an existing SAN pin group disrupts traffic for all vHBAs that use that pin group. The fabric interconnect performs a log in and log out for the Fibre Channel protocols to repin the traffic.
C. To configure pinning for a server, you must include the SAN pin group in a v/NIC policy.
The vNIC policy is then included in the service profile assigned to that server.
All traffic from the vNIC travels through the I/O module to the specified uplink Fibre channel port.
D. In Fibre Channel switch mode, SAN pin groups are irrelevant.
Any existing SAN pin groups are ignored.
E. Edit this to show switch mode

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Ref: http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/1 -0- 2/b_GUI_Config_G uide/GU IConfigGui de_chapter19. html Also see PDF: Configuring SAN Pin Groups

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QUESTION 110
Which three statements about Cisco UCS Fabric Interconnect fibre channel end-host mode are true? (Choose three)

A. The Cisco UCS Fabric Interconnect send BPDUs northbound.
B. The Cisco UCS Fabric Interconnect learns southbound dynamic MAC addresses.
C. The Cisco UCS Fabric Interconnect learns dynamic MAC addresses from attached storage fibre channel ports.
D. The Cisco UCS Fabric Interconnect never learns northbound dynamic MAC addresses.
E. Link status changes on uplink ports are propagated to host vNICs.
F. vNIC fabric failover is never available in end-host mode.
G. vHBA fabric failover is enabled by default.

Correct Answer: BCE
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 111
Which three statements about direct-attached storage are true? (Choose three)

A. The fabric interconnect must be in Fibre Channel switch mode.
B. If you connect to Cisco NX-OS on the fabric interconnect, you can see the flogi by using the show flogi database vsan <vsan ID> Command.
C. For maintenance of direct attached storage, you must define a maintenance policy.
D. The fabric interconnect must be end-host mode.
E. you need not map an FCoE VLAN when creating the storage VSAN.
F. to configure the zoning, you must create a storage connection policy.

Correct Answer: ABF
Section: (none)
Explanation

Explanation/Reference:
Explanation:
http://www. cisco.com/c/en/us/support/docs/servers -unified -computing/ucs-i nfrastructure-ucs- manager-software/116082-confi g-ucs-das-00. html

QUESTION 112
Refer to the Exhibit. Which two statements are true? (Choose two.)

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