Cisco

300-175 Exam

Cisco Data Center Unified Computing Exam

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Question: 1

You make a change to a local disk policy of a service profile, and the server to which it was attached reboots without warning. Which action prevents this issue from occuring in other service profiles?

A. Bind the service profile to a service profile template
B. In the local disk, select the Protect Configuration check box
C. In the service profile template, create a maintenance policy that uses the user-ack option
D. In the service profile, set the soft shutdown timer to Never

Answer: C

Reference:
https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/
Admin-Management/3-1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1/
b_Cisco_UCS_Admin_Mgmt_Guide_3_1_chapter_01011

Question: 2

On a Cisco Unified Computing System, which port type must the destination for an Ethernet traffic monitoring session be?

A. unified uplink port
B. Unconfigured Ethernet port
C. Uplink Ethernet port
D. Ethernet port-channel uplink port

Answer: B

Reference:
https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-0/
b_UCSM_GUI_Configuration_Guide_2_0/b_UCSM_GUI_Configuration_Guide_2_0_chapter_010100
1

Question: 3

Which two methods does Cisco UCS Manager use to create a fabric port channel? (Choose two.)

A. by using the global chassis discovery policy settings
B. by using the LAN connectivity policy settings during chassis discovery
C. by using the SAN policy settings during chassis discovery
D. by using the LAN connectivity policy settings for a specific interface after chassis discovery

E. by using the chassis connectivity policy settings for a specific chassis after chassis discovery

Answer: AE

Question: 4

Refer to the exhibit.

```
Server # scope chassis
Server /chassis # scope adapter 2
Server /chassis/adapter # scope host-fc-if Cisco
Server /chassis/adapter/host-fc-if # create-boot-entry 20:00:00:11:11:11:11:11 1
Server /chassis/adapter/host-fc-if *# scope perbi
Server /chassis/adapter/host-fc-if/perbi *# set persistent-lun-binding enable
```

What is the result of committing the configuration?

A. LUN ID associations are retained until the server reboots
B. A new boot table entry takes effect immediately
C. LUN ID associations are retained until they are removed manually
D. The LUN ID is set to 2

Answer: C

Question: 5

Which two methods can you use to import and update a system configuration by using Cisco UCS Manager? (Choose two.)

A. restore
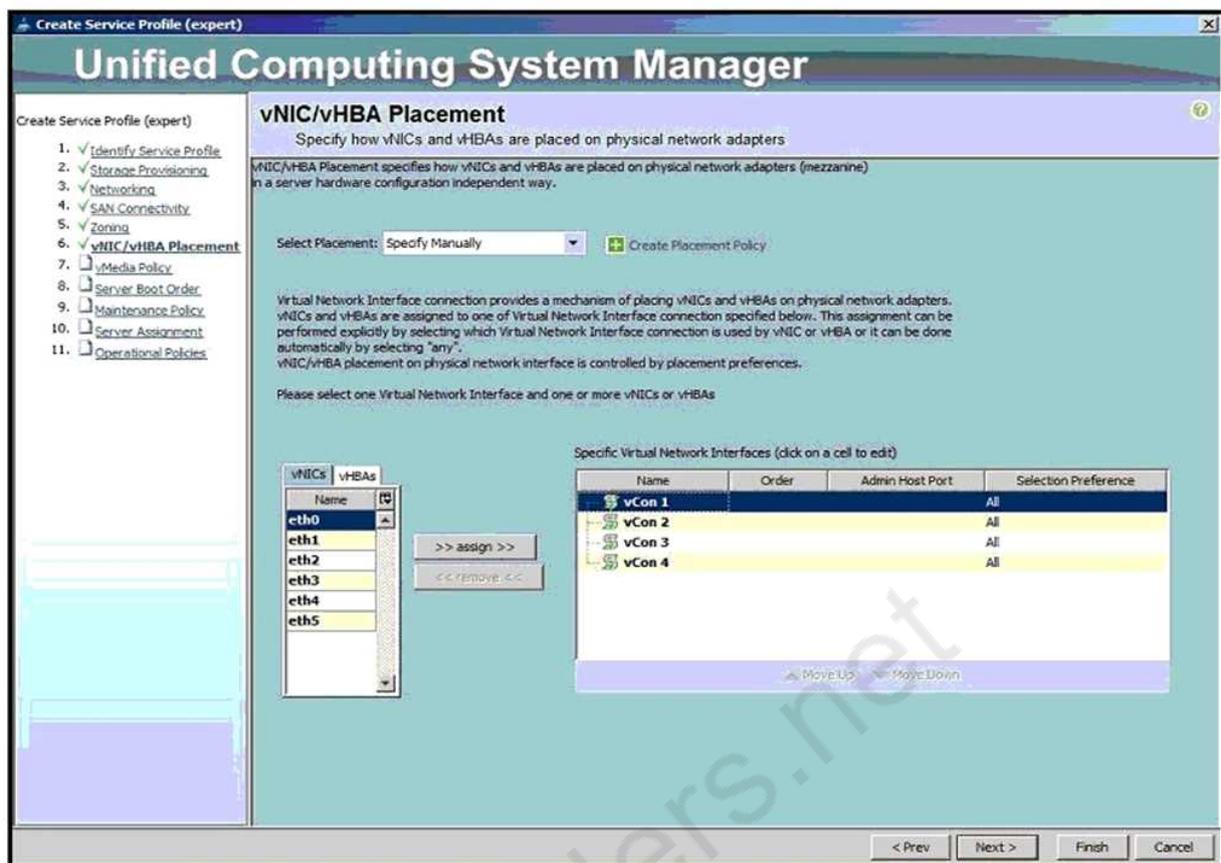B. replace
C. merge
D. truncate
E. purge

Answer: BC

Reference:
https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/
UCSM_GUI_Configuration_Guide_141_chapter43

Question: 6

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Refer to the exhibit. Which action do you take to ensure that a vNIC is assigned to a specific adapter?

A. automatically place the vNIC onto a physical adapter
B. manually assign each vCon to a physical adapter
C. order the vNICs numerically
D. manually assign the vNIC to a vCon

Answer: D

Question: 7

Which statement about how Cisco UCS Manager provides two-factor authentication is true?

A. Cisco UCS Manager generates one-time tokens for users during the login process
B. The AAA server validates the password and token
C. The AAA server validates the password and a token server validates the token
D. The server generates one-time tokens for users during the login process

Answer: B

Reference:
https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/

Admin-Management/3-1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1/
b_Cisco_UCS_Admin_Mgmt_Guide_3_1_chapter_0100.pdf

Question: 8

Which two descriptions of user locales in a Cisco UCS domain are true? (Choose two.)

A. A user assigned to a locale can manage an organization hierarchically within the locale
B. A locale is the same as an organization
C. A UCS user can be assigned to only one locale
D. A locale defines a default language and time zone in UCS Manager
E. A locale can contain more than one organization

Answer: AE
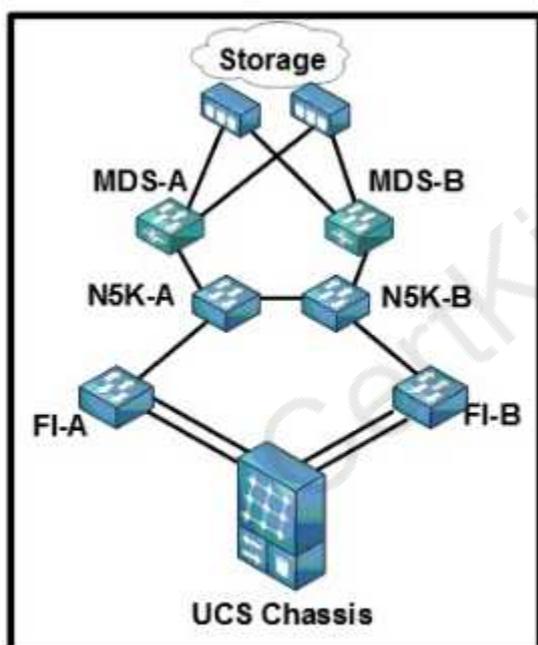
Question: 9

Refer to the exhibit.

You are implementing Fibre Channel smart zoning, and you need to prevent RSCN
events. Which two configurations use the hardware resources efficiently? (Choose two.)

A. a Cisco UCS Fibre Interconnect that uses Fibre Channel switch mode
B. the NPIV feature enabled upstream
C. the NPV feature enabled upstream
D. a Cisco UCS Fibre Interconnect that uses end-host mode
E. storage that is directly attached to the Cisco UCS Fabric Interconnect

Answer: AB

Question: 10

Refer to the exhibit.

```
interface ethernet 1/30
  switchport mode trunk
  switchport trunk allowed vlan 2002

int vfc 130
  switchport mode F
  switchport trunk allowed vsan 2002
  bind interface eth 1/30
  no shutdown

vsan database
    vsan 2002 interface vfc 130
```

Which type of device can be connected to the interface?

A. a Cisco Nexus 9000 Series switch
B. a native Fibre Channel switch
C. a storage controller
D. a Cisco Nexus 3000 Series switch

Answer: B

Question: 11

When you use a SAN boot, which option do you configure?

A. an iSCSI boot profile
B. a CIMC secure boot policy
C. a boot target LUN on the device that stores the operating system image
D. a UEFI boot target on the device that stores the operating system image

Answer: C

Question: 12

Refer to the exhibit.

```
adapter 1/1/1 (mcp):1# iscsi_get_config

vnic iSCSI Configuration:
------------------------------
 vnic_id: 5
            link_state: Up

        Initiator Cfg:
     initiator_state: ISCSI_INITIATOR_READY
initiator_error_code: ISCSI_BOOT_NIC_NO_ERROR
                vlan: 0
         dhcp status: false
                 IQN: iqn.2013-01.com.myserver124
             IP Addr: 15.16.180.2
         Subnet Mask: 255.255.255.0
             Gateway: 15.16.180.254

        Target Cfg:
        Target Idx: 0
             State: INVALID
        Prev State: ISCSI_TARGET_GET_LUN_INFO
      Target Error: ISCSI_TARGET_GET_HBT_ERROR
               IQN: iqn.1992-08.com.netapp:sn.1111111
           IP Addr: 14.17.10.13
              Port: 3260
          Boot Lun: 0
        Ping Stats: Success (9.990ms)
```

The iSCSI boot LUN is inaccessible. To troubleshoot the issue, which action must you take?

A. Check the zoning information on the switches
B. Check the host registration on the storage controller
C. Confirm that you are using the correct default gateway
D. Ensure that the correct VLAN is configured on the iSCSI adapter

Answer: D

Question: 13

You need to add additional DNS entries to UCS Manager. Where would you configure the addition DNS server information?

A. Service Profile template
B. Equipment tab
C. Admin tab
D. LAN tab

Answer: C

Question: 14

Refer to the exhibit.

```
cisco# scope cimc
cisco /cimc # scope network
cisco /cimc/network # set mode dedicated
cisco /cimc/network *# commit
cisco /cimc/network #
```

Which port is used for communication between the server and the Cisco Integrated Management Controller?

A. fabric uplink port
B. LAN on the motherboard port
C. management Ethernet port
D. ports on the adapter card

Answer: A

Question: 15

Refer to the exhibit.

```
CISCO # scope org /
CISCO /org* # scope boot-policy cisco_1
CISCO /org/boot-policy # create san
CISCO /org/boot-policy/san* # set order 1
CISCO /org/boot-policy/san* # create san-image primary
CISCO /org/boot-policy/san/san-image* # set vhba vHBA2
CISCO /org/boot-policy/san/san-image* # create path secondary
CISCO /org/boot-policy/san/san-image/path* # set lun 5
```

Which result of running the command is true?

A. vHBA2 must be associated to a vNIC
B. vHBA2 is the secondary boot device
C. The server attempts to boot by using vHBA2
D. The server boots from a local disk before booting from the SAN

Answer: C

Question: 16

You must generate python scripts for operations performed from Cisco UCS Manager. Which API must you
use?

A. ConvertTo-UcsCmdlet -Python
B. WatchUcsEvent
C. ExportUcsSession
D. GetManagedObject

Answer: A

Question: 17

An SD card on a Cisco UCS C220 M4 Rack Server is in a degraded RAID state. To resolve the issue, which type of policy do you create in the associated service profile?

A. A FlexFlash scrub
B. a BIOS settings scrub
C. a disk scrub
D. a local disk configuration that uses RAID 1 mirrored mode

Answer: A

Question: 18

Which option must you use to regenerate the default keyring certificate for Cisco UCS Manager?

A. OpenSSL server
B. UCS Manager CLI
C. UCS Manager GUI
D. certificate authority

Answer: B

Question: 19

Refer to the exhibit.

```
CISCO# scope org /
CISCO /org* # create service-profile ServTemp2 updating-template
CISCO /org/service-profile* # set bios-policy bios_1
CISCO /org/service-profile* # set boot-policy boot_1
CISCO /org/service-profile* # set dynamic-vnic-conn-policy d_vic_1
CISCO /org/service-profile* # set ext-mgmt-ip-state pooled
CISCO /org/service-profile* # set host-fw-policy fw_1
CISCO /org/service-profile* # set identity dynamic-uuid derived
CISCO /org/service-profile* # set ipmi-access-profile ipmi_1
CISCO /org/service-profile* # set local-disk-policy l_disk_1
CISCO /org/service-profile* # set maint-policy maint_1
CISCO /org/service-profile* # set mgmt-fw-policy fw_mgmt_1
CISCO /org/service-profile* # set power-control-policy Power_1
CISCO /org/service-profile* # set scrub-policy scrub_1
CISCO /org/service-profile* # set sol-policy sol_1
CISCO /org/service-profile* # set stats-policy stats_1
CISCO /org/service-profile* # vcon-policy vcon_1
CISCO /org/service-profile* # commit-buffer
CISCO /org/service-profile #
```

Which description of the configuration is true?

A. Each service profile created by using the template must be modified individually
B. Changes made to the template propagate automatically to the service profiles created by using the
template
C. Changes made the UUID suffix pool assigned to the template change the UUID assigned to the service profiles created by using the template
D. Changes made to the MAC address pool assigned to the template change the MAC addresses assigned to the service profiles creatd by using the template

Answer: B

Reference:
https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/
UCSM_GUI_Configuration_Guide_141_chapter28

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