

PrepKing

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PrepKing 650-286

Exam A

QUESTION 1

Which three interfaces are used to connect server management to the Cisco UCS C-Series server? (Choose three.)

- A. Connect via one of the server's standard-profile PCIe card slots on the rear panel of the server.
- B. Connect to the service processor using the integrated IPMI.
- C. Connect a console using the two USB ports on the rear panel of the server.
- D. Connecting a KVM cable to the server console connector on the front of the server.
- E. Connect using the 10/100/1000 Gigabit Ethernet RJ-45 ports on the front panel of the server.
- F. Use remote management through the 10/100 Ethernet management port on the rear panel of the server.

Correct Answer: CDF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

Before replacing a power supply on a Cisco UCS C-Series server, why is it vital to perform a graceful shutdown?

- A. to place the operating system into main power mode
- B. to avoid data loss or damage to the operating system
- C. to allow the operating system to be managed remotely
- D. to power down the operating system but allow the service processor and cooling fans to continue to operate

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

Which server is best suited for storage-intensive applications such as network file servers and appliances, storage servers, database servers, and content-delivery servers?

- A. Cisco UCS C210 M1
- B. Cisco UCS C200 M1
- C. Cisco UCS C260 M1
- D. Cisco UCS C250 M1

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

Using the **show** commands to view properties will provide information about which three of these items? (Choose three.)

- A. voltage properties
- B. power supply properties
- C. storage properties
- D. CIMC log properties
- E. system log properties
- F. memory properties

Correct Answer: BCF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

What are two benefits of the Cisco extended memory technology? (Choose two.)

- A. It allows expansion of up to 384 GB of memory in a 2 RU form factor.
- B. It uses the virtual interface card to expand memory options up to 384 GB.
- C. It provides the cheapest memory expansion options in a 4 RU form factor.
- D. It can use 4-GB DIMMs for up to 192 GB for cost savings.
- E. It requires 8-GB DIMMs to expand memory to up to 384 GB.

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

What is a feature of the Cisco extended memory technology?

- A. It offers the most flexibility for memory-intensive applications in a blade form factor.
- B. It increases performance and capacity for demanding virtualization and large-data-set workloads.
- C. It provides a flexible means of providing virtualization and policy compliance.
- D. It provides the performance needed for the Cisco unified fabric and 10 Gigabit Ethernet.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

Which two areas of growth in the network have resulted in an increase in storage costs? (Choose two.)



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- A. power and cooling
- B. speed and memory
- C. databases
- D. rich media
- E. system maintenance

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

Which three architectural innovations are features of the Cisco UCS C-Series servers? (Choose three.)

- A. space-saving blade form factor
- B. virtual interface card for virtualization flexibility
- C. the latest Intel Itanium 9000 processor
- D. extended memory technology
- E. unified network fabric
- F. enhanced storage in a 4 RU form factor
- G. multiple points of management

Correct Answer: BDE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

In which two ways can you configure the RAID controller for the Cisco UCS C200 and C210 servers? (Choose two.)

- A. Access the RAID controller remotely using the Cisco UCS Manager GUI.
- B. Reinstall the firmware during a server reboot.
- C. Reset the power and reinstall the operating system to access the RAID controller built-in configuration GUI.
- D. Interact with the firmware installed on the controller during the server boot time using a BIOS configuration utility.
- E. Use Intel's RAID Controller Drivers after the operating system is installed.

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

How is WebBIOS used to set up RAID controllers?

- A. It enables users to create and manage RAID configurations on LSI SAS controllers.
- B. It allows administrators to adjust topology views from the controller and disk enclosure down to the logical and physical drive level to manage RAID volumes.
- C. It provides operating system-level software tools to efficiently manage all RAID controllers across the Cisco UCS C-Series server family.
- D. It provides integration with Intel RAID Controller Drivers once the operating system is installed.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

Which server offers up to up to 384 GB of industry-standard DDR3 main memory in 48 DIMMs?

- A. Cisco UCS C260 M1
- B. Cisco UCS C210 M1
- C. Cisco UCS C200 M1
- D. Cisco UCS C250 M1

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

Which hardware feature of the Cisco UCS C-Series servers provides management services even in the event of a processor failure?

- A. the Cisco Integrated Management Controller
- B. the virtual interface card
- C. the Baseboard Management Controller
- D. the Intelligent Platform Management Interface

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

Which two situations have impacted virtualization in server technology? (Choose two.)

- A. increased number of virtualized servers to manage

- B. need to consolidate the server infrastructure to a single location
- C. easy-to-secure policy coherence
- D. reduced number of physical servers needed
- E. need for increased points of management

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

What are two reasons that a firmware upgrade might not be immediately activated on a server? (Choose two.)

- A. to provide a fail-safe in case the firmware upgrade is not installed correctly
- B. to allow the server to run normally during an upgrade
- C. to allow a specified amount of time before reboot using the **cli reboot activate** command
- D. to allow the operating system to be reinstalled
- E. to allow activation to take place when a reboot is selected

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

How can you position the Cisco UCS C-Series servers for a customer concerned about the costs of changing to a unified computing environment?

- A. The Cisco UCS C-Series provides a cost-effective entry point to unified computing with scalability and flexibility for growth to other UCS solutions.
- B. The Cisco UCS C-Series offers the fastest processors, most memory, and most storage of any server on the market.
- C. The Cisco UCS C-Series offers a space-saving blade form factor for customers who need to expand data center flexibility without increasing infrastructure space.
- D. The Cisco UCS C-Series eliminates the need for management in the data center.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

What is a feature of the Cisco UCS C-Series virtual interface card?

- A. It provides a centralized point of management for the UCS solution.
- B. It provides the Cisco extended memory technology.
- C. It provides 10 Gigabit Ethernet capability.
- D. It provides a flexible means of providing virtualization and policy compliance.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

Which format for output information using the **show** command is intended to be easy to read?

- A. default mode
- B. CIMC mode
- C. YAML mode
- D. IPMI mode

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

What are two features of the Cisco UCS C-Series servers that are not available in the Cisco UCS B-Series? (Choose two.)

- A. virtualization and unified fabric
- B. rack-mount form factor for customers who prefer that option
- C. faster processor speeds
- D. multiple points of management
- E. higher internal storage with flexibility for growth

Correct Answer: BE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

Which of these is a characteristic of the Cisco UCS C-Series Rack-Mount server family?

- A. The series offers a cost-effective entry point to the rack-mount server profile and a migration to a full Cisco Unified Computing System solution.
- B. The series integrates both blade- and rack-mount form factors to offer the fastest server options on the market.
- C. The series enables an incremental, group server deployment model with a single point of entry into the Cisco Unified Computing System product line.
- D. The series is based on Intel's latest Itanium 9000 Series processors.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

What is a primary purpose of the BMC?

- A. offering agent and agentless management
- B. controlling access to and integration of virtual media
- C. controlling BIOS upgrading and downgrading
- D. providing out-of-band management

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

Feature for feature, in which three ways does a Cisco C250 M1 compare to an HP Proliant DL? (Choose three.)

- A. fewer PCIe slots
- B. fewer DIMMs
- C. less maximum memory
- D. more DIMMs
- E. more PCIe slots
- F. more maximum memory

Correct Answer: ADF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

Which of the Cisco partners offers Ionix ControlCenter to automate discovery, monitoring, reporting, planning, and provisioning of physical and virtual interfaces?

- A. BMC Software
- B. Microsoft
- C. VMware
- D. EMC

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

What are two features of the baseboard management controller BMC? (Choose two.)

- A. It is used for firmware updates.
- B. It provides a CLI interface for Cisco UCS C-Series servers.
- C. It provides KVM functionality on the Cisco UCS C-Series servers.

- D. It runs off the main system processor to provide unmatched speeds.
- E. It provides a single point of management for the Cisco UCS C-Series servers.
- F. It runs independent of the main server to provide services even in the event of a processor failure.

Correct Answer: AF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

It is important to qualify customers before attempting to sell Cisco UCS C-Series servers. What are three important qualifiers to consider? (Choose three.)

- A. The customer has a strong relationship with HP.
- B. The customer is already using servers with a blade form factor.
- C. The customer has experience with Cisco ISR products.
- D. The customer is an early adopter of technology.
- E. The customer has experience with Cisco Nexus products.
- F. The customer has a strong relationship with IBM.

Correct Answer: ABF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

What command is used to finalize a firmware upgrade via the CLI?

- A. **save**
- B. **commit**
- C. **run**
- D. **activate**

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

How many Ethernet ports come standard on all Cisco UCS C-Series Rack-Mount Servers?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

How does the Cisco extended memory technology offer the most memory in a 2 RU server?

- A. It incorporates the memory available in the Cisco UCS B-Series blades.
- B. One virtual DIMM is mapped to four physical DIMMs.
- C. Four physically distinct DIMMs are mapped to a single logical DIMM.
- D. It offers twice the physical DIMMs found in other 2 RU servers.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

A customer has data center needs for memory-intensive applications, including modeling applications. Which Cisco UCS C-Series server best fits this requirement?

- A. Cisco UCS C200 M1
- B. Cisco UCS C210 M1
- C. Cisco UCS C260 M1
- D. Cisco UCS C250 M1

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

In what way are converged network adapters an integral element of a unified fabric infrastructure?

- A. They simultaneously send TCP/IP communications over multiple 1-Gbps connections.
- B. They support the 4-Gbps Fibre Channel connections and use a PCIe interface to connect to the server.
- C. They simultaneously send either FCoE or TCP/IP communications over a single 10-Gbps connection.
- D. They use multiple integrated ASICs to separately perform 10-Gb Ethernet and Fibre Channel functions.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

Which CLI command is used to put network configuration settings into the system configuration?

- A. **shutdown**

- B. **restore**
- C. **save**
- D. **commit**
- E. **show**

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

Which command is used to remotely reset the server to its initial power-on state without cycling the power?

- A. **power commit**
- B. **power shutdown**
- C. **power hard reset**
- D. **power cycle**

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

How can you verify that the Cisco UCS C-Series server is in standby power mode?

- A. The Power Status LED is blinking green.
- B. The Power Status LED is dark.
- C. The Power Status LED is green.
- D. The Power Status LED is amber.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33

How is Cisco able to offer networking solutions that operate within the distributed hypervisor layer featuring Cisco VN-Link?

- A. using virtual Ethernet interfaces that are the virtual equivalent of physical network access ports
- B. providing a single point of management across the Cisco Unified Computing System solution
- C. using the virtual interface card to provide 10-GB Ethernet and FCoE
- D. manually provisioning virtual interfaces based on network policies

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34

How do you activate new firmware on the Cisco UCS C-Series server?

- A. It is activated by switching the server to the new firmware after a system reboot.
- B. It is activated by reinstalling the server operating system.
- C. It is activated when the firmware is installed on the server.
- D. It is activated by downloading the desired images from Cisco Connection Online and copying them to a network server.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35

How can you manage operating systems and applications on the Cisco UCS C-Series servers?

- A. using the CIMC
- B. by the serial port
- C. over the network by SSH or Telnet
- D. using the KVM console

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

Which management solution provides standards-based Ethernet network access for the Cisco UCS C-Series servers?

- A. CNA
- B. IPMI
- C. BMC
- D. CIMC

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37

When using CLI configuration commands on the Cisco UCS C-Series servers, why is it beneficial to commit multiple commands together?

- A. In order for commands to be implemented at various levels of the CLI hierarchy.

- B. The commands are implemented in reverse order, making it obvious which command has failed by determining which commands have been implemented.
- C. If one command fails, the successful commands are still applied.
- D. To view failed commands in order via the CIMC log.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 38

How does the CIMC protect the network from intrusions for the Cisco UCS C-Series servers?

- A. It provides power to the server even in the event of a processor failure.
- B. It uses IP blocking.
- C. It interacts with Cisco UCS Manager to provide centralized security.
- D. It has an internal firewall that can be configured according to network policies.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 39

All Cisco UCS C-Series servers come standard with internal local storage that can be configured for RAID. Which two RAID levels can be configured? (Choose two)

- A. RAID 0
- B. RAID 1
- C. RAID 3
- D. RAID 4
- E. RAID 6
- F. RAID 7

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

What is a feature of the Cisco UCS virtual interface card?

- A. It supports network interface virtualization and Cisco VN-Link technology.
- B. It provides both data networking and storage networking traffic on a single I/O adapter.
- C. It provides management support for the Cisco UCS C-Series servers.
- D. It provides FCoE capability in a virtualization environment.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41

How does the Cisco extended memory technology offer the most memory in a 2 RU server?

- A. It incorporates the memory available in the Cisco UCS B-Series blades.
- B. One virtual DIMM is mapped to four physical DIMMs.
- C. Four physically distinct DIMMs are mapped to a single logical DIMM.
- D. It offers twice the physical DIMMs found in other 2 RU servers.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42

Which command is used to remotely reset the server to its initial power-on state without cycling the power?

- A. **power commit**
- B. **power shutdown**
- C. **power hard reset**
- D. **power cycle**

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43

When using CLI configuration commands on the Cisco UCS C-Series servers, why is it beneficial to commit multiple commands together?

- A. In order for commands to be implemented at various levels of the CLI hierarchy.
- B. The commands are implemented in reverse order, making it obvious which command has failed by determining which commands have been implemented.
- C. If one command fails, the successful commands are still applied.
- D. To view failed commands in order via the CIMC log.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44

Which three interfaces are used to connect server management to the Cisco UCS C-Series server? (Choose three.)

- A. Connect via one of the server's standard-profile PCIe card slots on the rear panel of the server.
- B. Connect to the service processor using the integrated IPMI.
- C. Connect a console using the two USB ports on the rear panel of the server.
- D. Connecting a KVM cable to the server console connector on the front of the server.
- E. Connect using the 10/100/1000 Gigabit Ethernet RJ-45 ports on the front panel of the server.
- F. Use remote management through the 10/100 Ethernet management port on the rear panel of the server.

Correct Answer: CDF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

What are two benefits of the Cisco extended memory technology? (Choose two.)

- A. It allows expansion of up to 384 GB of memory in a 2 RU form factor.
- B. It uses the virtual interface card to expand memory options up to 384 GB.
- C. It provides the cheapest memory expansion options in a 4 RU form factor.
- D. It can use 4-GB DIMMs for up to 192 GB for cost savings.
- E. It requires 8-GB DIMMs to expand memory to up to 384 GB.

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46

It is important to qualify customers before attempting to sell Cisco UCS C-Series servers. What are three important qualifiers to consider? (Choose three.)

- A. The customer has a strong relationship with HP.
- B. The customer is already using servers with a blade form factor.
- C. The customer has experience with Cisco ISR products.
- D. The customer is an early adopter of technology.
- E. The customer has experience with Cisco Nexus products.
- F. The customer has a strong relationship with IBM.

Correct Answer: ABF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

How do you activate new firmware on the Cisco UCS C-Series server?

- A. It is activated by switching the server to the new firmware after a system reboot.
- B. It is activated by reinstalling the server operating system.
- C. It is activated when the firmware is installed on the server.

- D. It is activated by downloading the desired images from Cisco Connection Online and copying them to a network server.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48

What is a feature of the Cisco UCS virtual interface card?

- A. It supports network interface virtualization and Cisco VN-Link technology.
- B. It provides both data networking and storage networking traffic on a single I/O adapter.
- C. It provides management support for the Cisco UCS C-Series servers.
- D. It provides FCoE capability in a virtualization environment.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49

How is WebBIOS used to set up RAID controllers?

- A. It enables users to create and manage RAID configurations on LSI SAS controllers.
- B. It allows administrators to adjust topology views from the controller and disk enclosure down to the logical and physical drive level to manage RAID volumes.
- C. It provides operating system-level software tools to efficiently manage all RAID controllers across the Cisco UCS C-Series server family.
- D. It provides integration with Intel RAID Controller Drivers once the operating system is installed.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

How does the CIMC protect the network from intrusions for the Cisco UCS C-Series servers?

- A. It provides power to the server even in the event of a processor failure.
- B. It uses IP blocking.
- C. It interacts with Cisco UCS Manager to provide centralized security.
- D. It has an internal firewall that can be configured according to network policies.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:



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