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Associate - Converged Systems and Hybrid Cloud Exam

Exam A

QUESTION 1

Which is the network element manager of Dell EMC Converged Infrastructure?

- A. Cisco Nexus Operating System
- B. Dell EMC Vision Intelligent Operations Software



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- C. Cisco UCS Manager
- D. Dell EMC Unisphere

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

A company desires to standardize its IT platform architecture to reduce maintenance and operational costs. Which actions should they take once they have virtualized their Platform 2 applications?

- A. Move applications to a disaster recovery site
- B. Move applications to container dedicated technology
- C. Move applications to a larger data center footprint.
- D. Move applications to a converged infrastructure.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

What ability can a business obtain when using a microservices-oriented architecture to develop cloud-native applications?

- A. Upgrade applications without regression testing
- B. Produces resilient monolithic applications
- C. Implement automated development processes
- D. Quickly collect data for business analytics

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

What are components of identity access management in Pivotal Cloud Foundry?

- A. Application security groups and firewalls
- B. Tokens and SSO
- C. Releases and stemcells
- D. Event logging and monitoring

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

A successful Digital Transformation of a business meets which user demands?

- A. High quality of services, low cost, and personalization
- B. Low response times, a secure environment, and single vendor support
- C. Cross-device compatibility, a secure environment, and on-demand self-service
- D. Personalization, a secure environment, and on-demand self-service

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

Which Dell EMC Hyper-Converged Infrastructure solution provides a foundation for IaaS and supports multiple hypervisors?

- A. VxRail
- B. VxRack FLEX
- C. VxRack SDDC
- D. VxBlock

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.emc.com/collateral/vxrack-1000-overview.pdf>

QUESTION 7

An IT organization would like to transform their datacenter into a similar footprint using their existing infrastructure. Which type of technology is needed?

- A. Virtualization
- B. Public Cloud
- C. Hyper-Converged
- D. Converged

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.parallels.com/blogs/ras/converged-infrastructure/>

QUESTION 8

What is a goal of IT transformation?

- A. Managing security risks involved with mobile data.
- B. Empowering the workforce to take advantage of opportunities that improve collaboration and productivity
- C. Managing Big Data projects to provide analytics that help drive organizational growth
- D. Spending more time on strategic value-adding initiatives

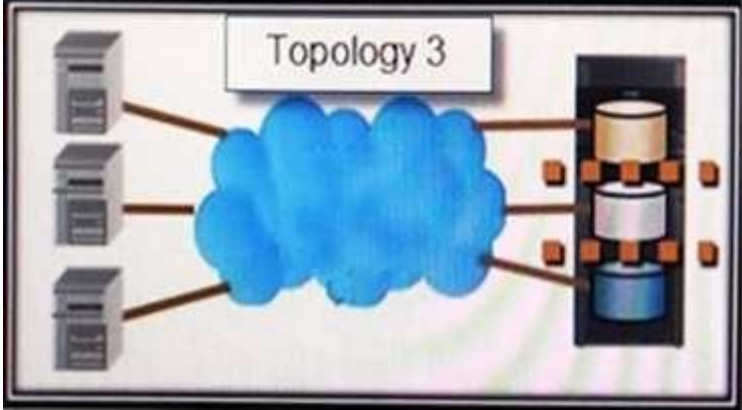
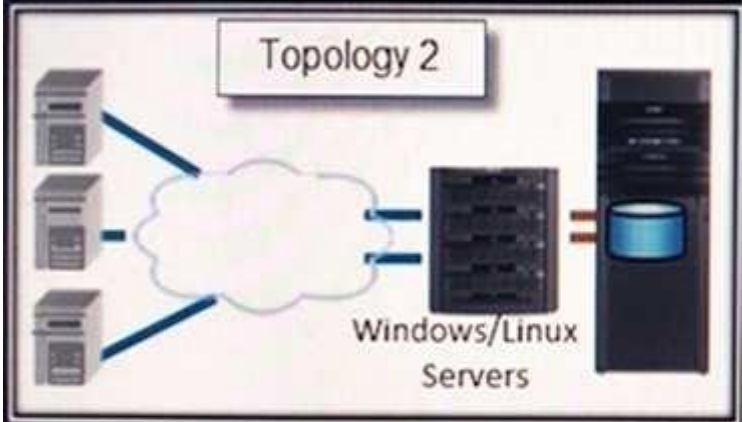
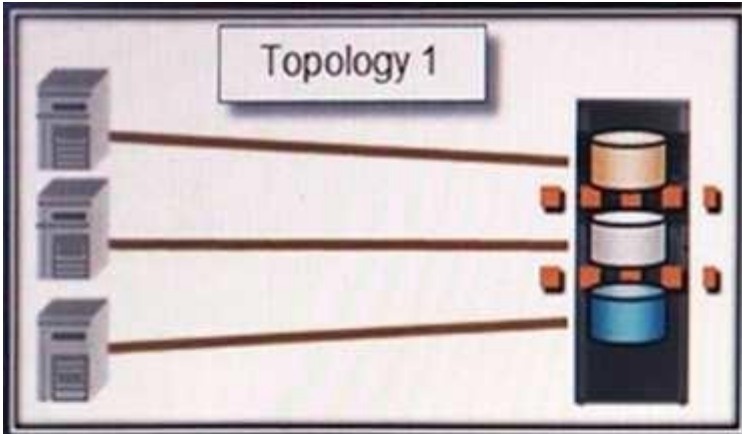
Correct Answer: B

Section: (none)
Explanation

Explanation/Reference:

QUESTION 9

Refer to the exhibit.



On which storage access topology would a switched Fibre Channel SAN be configured to transport block storage between edge compute and storage devices?

- A. Topology 2 only
- B. Topology 3 only
- C. Topology 2 or Topology 3
- D. Topology 1

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

What is a component of Dell EMC Hyper-Converged solutions?

- A. Blade servers
- B. Direct-attached storage
- C. Unified switching
- D. XtremIO Flash Storage

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

Which Dell EMC product provides backup and recovery services in a hybrid cloud?

- A. RecoverPoint
- B. Avamar
- C. CloudLink SecureVM
- D. VRP SRM

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.dell EMC.com/resources/en-us/asset/data-sheets/products/data-protection/emc-avamar-virtual-edition-ds.pdf>

QUESTION 12

Which Dell EMC Converged Infrastructure system includes DAEs and a DPE?

- A. VxBlock 500
- B. VxBlock 700
- C. VxRack FLEX
- D. VxBlock 300

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

What is the purpose of configuration management?

- A. Map infrastructure, applications, and services to their respective owners
- B. Reduce failure times
- C. Provide standards for managing issues, reactively or proactively
- D. Control the lifecycle of all changed

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

A company wants to expand its customer facing presence by providing an online storefront that is accessible from a wide variety of mobile devices. Their business is seasonal, with customer demand increasing dramatically during holiday seasons. Since they conduct financial transactions with their customers, security of their customer is a primary concern.

Which infrastructure model best meets the company's needs?

- A. SaaS
- B. Private cloud
- C. Hybrid cloud
- D. Public cloud

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

What is an important role, seldom seen in traditional IT organizations, that is new in iTaaS?

- A. Business Relationship Manager
- B. Strategic Account Manager
- C. Service Account Manager
- D. Operations Managers

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

What feature of the Cisco UCS compute platform in a Dell EMC VxBlock system helps to provide application high availability?

- A. Fabric Interconnects support the addition of expansion modules
- B. Redundant components ensure there is no single point of failure
- C. Each of the Fabric Extenders in a chassis connects to both Fabric Interconnects

D. Each blade server has a dedicated power supply

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

What is one factor that differentiates a public cloud from a private cloud?

A. Applications and data are managed by the customer in a private cloud

B. Private cloud resources are owned and managed by a single entity



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C. Firewall protection is not required in a private cloud

D. Private cloud resources must reside on the company's premises

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

A rapidly growing retail business is considering digital transformation. The first transformation target is a data center that hosts retail sales applications and the web services front-end. Although typically adequate, transaction response times increase to unacceptable levels during peak holiday buying seasons.

What is the key driver for transformation of the retail sales system workload?

- A. Conversion from a siloed and inflexible IT infrastructure
- B. More efficient data center operation and maintenance
- C. Lowered operational and capital expenditures
- D. Higher transactional I/O processing efficiency

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

Which type of transformation is outside the scope of Dell EMC's Digital Transformation strategy?

- A. IT
- B. Workforce
- C. Virtual
- D. Security

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.dellemc.com/content/dam/uwaem/production-design-assets/en/microsites/dellemcworld/virtual/assets/intel/intel-intel_offers.pdf

QUESTION 20

Which Dell EMC Converged Infrastructure system is designed for the mid-market segment?

- A. VxRail
- B. VxBlock 300
- C. VxBlock 700
- D. VxBlock 500

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

The new VxRail Appliances 4.5 deliver a number of new features designed for enterprise-class customers with optional integration with Dell EMC PowerEdge 14th generation servers. Historically, VxRail had been focused on mid-market customers, but as the use cases for HCI have expanded to include applications such as CRM, databases and others that are used to run businesses, the appeal has expanded to enterprise-class customers.

Reference: <https://www.networkworld.com/article/3196118/hardware/dell-emc-updates-hci-line-to-address-changing-market-requirements.html>

QUESTION 21

What is one factor that differentiates Dell EMC Converged Infrastructure (CI) from Dell EMC Hyper-Converged Infrastructure (HCI)?

- A. HCI uses software-defined storage architecture
- B. CI uses all-Flash storage devices
- C. HCI does not include physical switches
- D. CI allows for greater scalability

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

Which method has been used by some media companies to build market share in the media industry?

- A. Incorporated personalized advertising at the onset of the product launch.
- B. Hired talent outside of the usual pool to develop potential viral content.
- C. Crowdsourced content instead of building their own.
- D. Created a subscription-based model that appealed to a specific target audience.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

What is a benefit of deploying virtual pools (compute, network and storage resources) over physical resources?

- A. Improved business processes
- B. Reduced IT capital expenditures
- C. Reduced corporate network maintenance costs
- D. Improved storage network performance

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

A systems administrator wants to deploy a turnkey VMware-based private cloud solution. Which Hyper-Converged Infrastructure system from Dell EMC provides this capability?

- A. VxRack FLEX
- B. VxRack SDDC
- C. VxRail G Series
- D. VxRail P Series

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.dell.com/sr-me/converged-infrastructure/vxrack-system/vxrack-sddc.htm>

QUESTION 25

How do end users interact with Dell EMC converged or hyper-converged systems?

- A. Using the built-in service processor
- B. Through a computer connected to the same network
- C. Through SNMP
- D. Directly with the server computers

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

What is the underlying architecture of Dell EMC Hyper-Converged infrastructure?

- A. Hardware-defined
- B. Service-oriented
- C. Software-defined
- D. Scale-out

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.emc.com/collateral/analyst-reports/idg-quickpulse-hci-goes-mainstream-final.pdf>

QUESTION 27

IaaS abstracts which layer?

- A. Storage
- B. Applications
- C. Security
- D. Application Framework

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.computerworld.com/article/2469883/cloud-computing/the-three-layers-of-cloud-computing.html>

QUESTION 28

What is a benefit of using server virtualization?

- A. Reduced utilization of physical servers
- B. Reduced storage costs

- C. Reduced application development effort
- D. Reduced power and cooling requirements

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

What physical resource is divided up by compute resource virtualization to create virtual resources?

- A. SAAS controller
- B. RAM
- C. ROM
- D. PCI bus

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

Within the software development supply chain, what is a responsibility of a developer?

- A. Maintain application performance
- B. Manage system access and events
- C. Deploy development platform
- D. Manage control of infrastructure and platform

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

Which disk technologies are supported in Dell EMC VxBlock systems?

- A. Fibre Channel, SATA, and CIFS
- B. Fibre Channel, SATA, and SAS
- C. JBOD, SAS, and CIFS
- D. JBOD, SATA, and iSCSI

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

What are benefits of network virtualization?

- A. Improved storage efficiency and simplified data protection.
- B. Support for collaboration and automation of tasks
- C. Enhanced network security and improved network performance
- D. Enabling of over-provisioning and improved cost-efficiency

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.sdxcentral.com/sdn/network-virtualization/definitions/nv-in-the-data-center/>

QUESTION 33

VxBlock compute servers use which storage access topology to boot the operating system?

- A. NAS
- B. iSCSI SAN
- C. LAN
- D. FC SAN

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.emc.com/collateral/technicaldocumentation/vxblock-1000-architecture-overview.pdf>

QUESTION 34

What is a characteristic of Cisco UCS Blade servers?

- A. Dedicated power cords and networks cables are required
- B. No dedicated power cords or network cables are needed
- C. Requires a serial connection
- D. Contain redundant power supplies

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35

A software development company wants to refresh their existing infrastructure. One of their goals is to enable faster development times for their products. The development teams indicate that their biggest delays are caused by having to wait for the infrastructure teams to provision new VMs and networks for test environments.



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Which Dell EMC platform would meet all of the company's requirements without the addition of optional components?

- A. VxBlock 500
- B. VxRack FLEX

- C. VxRack SDDC
- D. VxRail

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

Which EMC Hyper-Converged system has an architecture based on modular building blocks, enabling deployments to be scaled linearly from 1 to 32 appliances using customer network switches?

- A. VxRack SDDC
- B. VxRack FLEX
- C. Vision Intelligent System
- D. VxRail

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://www.optiodata.com/documents/optio/datasheets/dell-emc-vxrail-appliance-techbook.pdf>

QUESTION 37

Many of the benefits of Digital and IT Transformation originated from which IT model?

- A. ITaaS
- B. IaaS
- C. Cloud Computing
- D. PaaS

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 38

What are components of the Dell EMC VxRail system?

- A. VMware vSphere, VMware SDDC Manager, and Dell EMC VxRail Manager
- B. VMware NSX, VMware VSAN, and VMware SDDC Manager
- C. VMware vSphere, VMware VSAN, and Dell EMC VxRail Manager
- D. VMware vSphere, VMware VSAN, and Dell EMC ScaleIO

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://wuchikin.wordpress.com/2017/03/17/emc-vxrail-overview/>

QUESTION 39

A growing organization's IT department is tasked with working directly with business units to plan and deploy IT resources that drive competitive advantage. This added responsibility must be accomplished with the existing IT staff.

What is an aspect of Digital Transformation that increases IT staff operations efficiency, enabling them to more easily assume this added role?

- A. Transform
- B. Adapt
- C. Automate
- D. Modernize

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

Which cloud deployment model is a combination of two or more clouds?

- A. Public
- B. Hybrid
- C. Private

D. Community

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://sharegate.com/blog/cloud-deployment-models-compared>

QUESTION 41

What separately licensed product can be deployed from SDDC Manager?

- A. vRealize Automation
- B. vSphere Replication
- C. vSphere with Operations Manager Enterprise
- D. vCenter Operations Manager

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/datasheet/products/vmware-cloud-foundation-faq.pdf> (2)

QUESTION 42

Which component controls the behavior of the VxFlex OS environment?

- A. MDM
- B. SDC
- C. SDS
- D. SVM

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.dellemc.com/mk-mk/collaterals/unauth/white-papers/products/ready-solutions/h17332_dellemc_vxflex_os_networking_best_practices.pdf

QUESTION 43

Which storage solution is used in the Pivotal Ready Architecture?

- A. VMware vSAN
- B. Dell EMC Flex OS
- C. Dell EMC PowerMAX
- D. Nutanix ADFS

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.dell.com/en-us/collaterals/unauth/offering-overview-documents/products/converged-infrastructure/pivotal-ready-architecture-solutionoverview.pdf>

QUESTION 44

What is a goal of IT Transformation?

- A. IT becomes more of a consultant to the business
- B. IT minimizes security risks involved with mobile data
- C. IT implements a Software as a Service solution
- D. IT manages BigData analytics projects to drive growth

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

What benefits do resource pooling and sharing, plus energy efficient hardware, contribute to the hyper-converged infrastructure?

- A. Operational simplicity
- B. Decreased infrastructure cost
- C. Improved capacity management
- D. Improved application performance

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46

A company has adopted agile application development methodologies to improve their mobile applications. The IT department recommends the company use a PaaS solution with the following characteristics:

- Implemented on new, in-house infrastructure
- Small software-defined storage solution that can scale as needed
- All-VMware solution that leverages extensive in-house experience

Which type of solution would address the goals of the business and satisfy the requirements of the IT department?

- A. Hyper-converged infrastructure
- B. Converged infrastructure
- C. Hybrid cloud
- D. Public cloud

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.dellemc.com/cs-cz/storage/data-storage/software-defined-storage.htm>

QUESTION 47

What does a fully tested and validated solution with fewer vendors contribute to the hyper-converged infrastructure?

- A. Improved application performance
- B. Lower risk of network congestion
- C. Improved capacity management
- D. Operational simplicity

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48

A company implements a hybrid cloud solution using the Dell EMC Cloud for Microsoft Azure Stack solution. What Digital Transformation benefit should this solution provide?

- A. Reduced control over infrastructure
- B. Enforcement of data governance location restrictions
- C. Faster skills development by IT staff
- D. Reduced external networking costs

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49

What is a benefit of a hypervisor?

- A. Provide on-demand, self-service for virtual machines
- B. Reduce the need for guest operating systems
- C. Enabled more efficient usage of DAE resources
- D. Enable more efficient usage of compute resources

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.dellemc.com/en-us/glossary/virtualization.htm>

QUESTION 50

What are the two primary modes of VxFlex OS?

- A. Compute only and hyper-converged
- B. Hyper-converged and two-layer

- C. Private and public
- D. PaaS and SaaS

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.dellemc.com/th-th/collaterals/unauth/data-sheets/products/converged-infrastructure/vxflex_data_sheet.pdf

QUESTION 51

An organization is on a Digital Transformation journey. The business is adopting agile application development methodologies to respond to customer feedback more quickly and improve their cloud native applications. The IT department recommends distributing the application across geographies for better performance for consumers. However, for compliance reasons they need to secure critical data in their data center.

Which deployment model should IT recommend to address their requirements?

- A. Public Cloud
- B. PaaS
- C. Hybrid Cloud
- D. SaaS

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 52

An organization would like to participate in the Digital Transformation. They want to use a Dell EMC VMAX storage array.

Which Dell EMC solution should be recommended?

- A. VxRack SDDC
- B. VxRail
- C. VxRack FLEX
- D. VxBlock 1000

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.cbronline.com/news/dell-emc-digital-transformation>

QUESTION 53

Which VxRail node type supports only hybrid storage?

- A. P Series
- B. S Series
- C. G Series
- D. E Series

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.storagereview.com/node/7230>

QUESTION 54

What can be used to validate that a VxBlock has the capacity to add another 20 virtual servers?

- A. VMware Log Insight
- B. Dell EMC Unisphere
- C. Cisco UCS Manager
- D. VxBlock Central

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.dell.com/en-us/collaterals/unauth/technical-guides-support-information/products/converged-infrastructure/vxblock-1000-architectureoverview.pdf>

QUESTION 55

What is the compute management application for Dell EMC Converged Infrastructure?

- A. VxRail Manager
- B. AMP-VX
- C. UCS Manager
- D. SDDC Manager

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.dellemc.com/resources/en-us/asset/technical-guides-support-information/products/converged-infrastructure/docu86660.pdf>

QUESTION 56

A business has recently decided to allow employees to access data when outside of the office, via a public cloud provider. To reduce risk, they have implemented practices that require certain data to be stored in specific locations.

What are these practices examples of?

- A. IT Transformation
- B. Digital Transformation
- C. Workforce Transformation
- D. Security Transformation

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 57

What contributes to reduced data center power and cooling costs?

- A. Pooling and resource sharing
- B. Cisco UCS domain
- C. UCS Fabric Interconnects
- D. Software defined storage

Correct Answer: D

Section: (none)
Explanation

Explanation/Reference:

Reference: <https://www.crn.com/news/data-center/231500571/data-centers-in-transition-controlling-power-cooling-costs.htm>



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