

DEA-1TT4.30q

Number: DEA-1TT4

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DEA-1TT4



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Associate - Information Storage and Management

Exam A

QUESTION 1

When using the erasure coding technique in an object-based storage system, data is divided into 12 data segments and 4 coding segments.



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What is the maximum number of disk drive failures against which data is protected by the configuration?

- A. 3
- B. 4
- C. 8
- D. 12

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

What is a key advantage of cloning a virtual machine (VM)?

- A. Ability to run new VMs simultaneously with the same IP address.
- B. Reduces the time required to create multiple copies of a VM.
- C. Improves the performance of an existing VM and new VMs.
- D. Eliminates the need to create multiple snapshots for a VM.

Correct Answer: B

Section: (none)

Explanation



Explanation/Reference:

QUESTION 3

A company is using an intrusion detection and prevention system (IDPS) to scan and analyze intrusion events.

Which IDPS technique uses a database that contains known attack patterns?

- A. Role-based
- B. Profile-based
- C. Signature-based
- D. Anomaly-based

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://pdfs.semanticscholar.org/e874/32283e90da5bceb3b17550570ec3a210f43c.pdf>

QUESTION 4

What is a benefit of link aggregation?

- A. Optimizes fabric performance by distributing network traffic across ISLs.
- B. Improves ISL utilization by increasing the network traffic on a specific ISL.
- C. Yields a higher throughput by combining two parallel ISLs into a single physical ISL.
- D. Saves bandwidth by restricting traffic to a specific potentially congested ISL.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://www.tsmtutorials.com/2016/08/fc-san-topologies.html>

QUESTION 5

Why is it important for organizations to store, protect, and manage their data?

- A. Reduce the amount of data to be replicated, migrated, and backed up.
- B. Rapidly develop and deploy modern applications for business improvement.

- C. Develop new business opportunities by leveraging existing data.
- D. Reduce the complexity in managing the data center environment.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

Which cloud deployment model allows provisioning of a cloud infrastructure only for use by a single organization having multiple consumers?

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

Correct Answer: D

Section: (none)

Explanation



Explanation/Reference:

Reference: <https://www.paranet.com/blog/bid/128265/The-Four-Types-of-Cloud-Computing-Models>

QUESTION 7

A company plans to deploy a new application in their environment. The new application requires 2 TB of storage space. During peak workloads, the application is expected to generate 4500 IOPS with a typical I/O size of 4 KB. The capacity of each available disk drive is 250 GB. In addition, the maximum number of IOPS a drive can perform at with a 70% utilization is 90 IOPS.

What is the minimum number of disk drives needed to meet the application's capacity and performance requirements for a RAID 0 configuration?

- A. 8

- B. 40
- C. 50
- D. 70

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.dell.com/community/Student-Discussions/E10-001-Exam-Question-Query/td-p/7099780>

QUESTION 8

Which technology decouples the OS, applications, and user state from a physical compute system?

- A. Application virtualization
- B. Storage virtualization
- C. Thin client virtualization
- D. Desktop virtualization

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



QUESTION 9

What is the goal of a business continuity solution?

- A. Reduce the amount of investment in protecting an organization's business-related data.
- B. Avoid a disaster in a data protection environment to control the loss of data.
- C. Ensure information availability that is required to conduct vital business operations.
- D. Eliminate security threats in a data protection environment for continuous access to data.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.oreilly.com/library/view/information-storage-and/9781118236963/9781118236963c09.xhtml>

QUESTION 10

What is a function of the metadata service in an object-based storage device (OSD)?

- A. Generates the file system namespace from the file contents.
- B. Manages both physical and logical disks on which the user data is stored.
- C. Manages the storage space for all remote clients.
- D. Maintains the object IDs and file system namespace mappings.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

DRAG DROP

Match the types of attack with their respective description.



Select and Place:

Attack Types	Description
Denial-of-Service	Sends a spoofing email containing a link(s) to a fraudulent website
Phishing	Installs a rogue hypervisor that takes control of a compute system
Man-in-the-Middle	Prevents legitimate users from accessing resources or services
Hyperjacking	Eavesdrops on the network to capture credentials

Correct Answer:

Attack Types	Description
Denial-of-Service	Phishing
Phishing	Hyperjacking
Man-in-the-Middle	Denial-of-Service
Hyperjacking	Man-in-the-Middle

Section: (none)

Explanation

Explanation/Reference:



QUESTION 12

What accurately describes virtual SAN (VSAN) trunking?

- A. Reduces the utilization of ISLs by removing all the ISLs configured between the FC switches.
- B. Increases the number of E_ports used for the ISLs to transfer multiple VSAN traffic.
- C. Increases the complexity of managing the FC SAN with an increase in the number of ISLs.
- D. Reduces the number of ISLs between switches that are configured with multiple VSANs.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://www.tsmtutorials.com/2016/08/fc-san-virtualization.html>

QUESTION 13

What accurately describes an Incident in a storage infrastructure?

A. Unknown root cause of one or more disruptions to service.



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B. Any event that may lead to the disruption of a service.

C. Support request to help access an IT resource.

D. Any event that may create a change in correcting a known error.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 14

What accurately describes the scale-out storage architecture?

A. Scales the capacity only within a single storage system.

B. Provides a fixed capacity ceiling that limits scalability beyond a storage system.

C. Provides the capability to maximize its capacity by adding nodes to the cluster.

D. Restricts scalability to the limits of the storage controllers.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://whatis.techtarget.com/definition/scale-out-storage>

QUESTION 15

Which technology combines NAND flash memory into a hard disk drive and is a single, integrated device incorporating both types of storage?

- A. Solid-state drive
- B. Dual drive
- C. Fibre Channel drive
- D. Solid-state hybrid drive

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: https://en.wikipedia.org/wiki/Hybrid_drive#Solid-state_hybrid_drive

QUESTION 16

Winch Dell EMC product creates a server and IP-based SAN from direct-attached server storage to deliver flexible and scalable performance and capacity on demand?

- A. PowerMax
- B. VxFlex OS
- C. ViPR Controller
- D. XtremIO



Correct Answer: B

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 17

Which Internet of Things (IoT) component is responsible for the automation of operations by applying a force based on the dynamics of data?

- A. Actuator
- B. Switch

- C. Sensor
- D. Gateway

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

Which technology is used in the media and entertainment industry to enable content-based search activity and to create video subtitles using natural language processing?

- A. Machine learning
- B. Social networkingC. Cloud computing
- D. Internet of Things

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 19

Why are organizations moving towards a modern data center implementation?

- A. Develop modern applications in the public cloud without having the right skill set in-house.
- B. Ability to be agile, operate in real time, and develop intelligent products.
- C. Deploy only unified and converged IT resources to reduce the management complexity.
- D. Reduce the cost of managing data center components by using a self-service catalog.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.actualtechmedia.com/wp-content/uploads/2018/05/Building-a-Modern-Data-Center-ebook.pdf>

QUESTION 20

What is a key objective to performing continuous replication?

- A. Avoid performing data archiving.
- B. Reduce the RPO to near-zero.
- C. Reduce the deduplication ratio.
- D. Avoid performing data backups.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference <https://www.ibm.com/cloud/learn/backup-disaster-recovery>

QUESTION 21

Which product delivers virtualized or hosted desktops and applications through a single platform?

- A. VMware Horizon
- B. Dell EMC VxRail Appliance
- C. VMware NSX
- D. Dell PowerEdge servers



Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.dell.com/pk/business/p/vmware-horizon-7/pd>

QUESTION 22

Which product provides an organization with the power to search and analyze vast amounts of data in one place and helps administrators to discover suspicious event trends?

- A. Dell InTrust
- B. Dell Change Auditor
- C. VMware AppDefense

D. VMware AirWatch

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://cybersecurity-excellence-awards.com/candidates/dell-intrust/>

QUESTION 23

A company's Finance department needs 200 GB of storage for their business applications. A LUN is created with 200 GB and RAID 1 is configured to support the applications. If the cost of storage per GB is \$2, what is the chargeback cost to the department for application storage?

- A. \$ 200
- B. \$ 400
- C. \$ 800
- D. \$ 1500

Correct Answer: C

Section: (none)

Explanation



Explanation/Reference:

QUESTION 24

When using a bridged iSCSI connection, which components facilitate communication between gateways?

- A. Compute system with iSCSI ports and the storage system with Ethernet ports.
- B. Compute system with iSCSI ports and the storage system with only FC ports.
- C. Compute system with FC HBA ports and the storage system with only FC ports.
- D. Compute system with FCoE ports and the storage system with iSCSI ports.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://www.tsmtutorials.com/2016/08/iscsi-interfaces.html>

QUESTION 25

What accurately describes hypervisor-based continuous data protection?

- A. Virtual appliance is running on a hypervisor.
- B. Journal is stored in a virtual machine.
- C. Virtual appliance runs on a storage system.
- D. Replica volumes are created in the hypervisor.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

When implementing a full mesh topology in a Fibre Channel (FC) SAN environment, what is the effect when there is an increase in the number of switches?

- A. Reduces the available node ports for ISL connectivity.
- B. Increases the load on the ISLs due to traffic aggregation.
- C. Increases the hop count for compute to storage traffic.
- D. Reduces the available switch ports for node connectivity.

Correct Answer: D

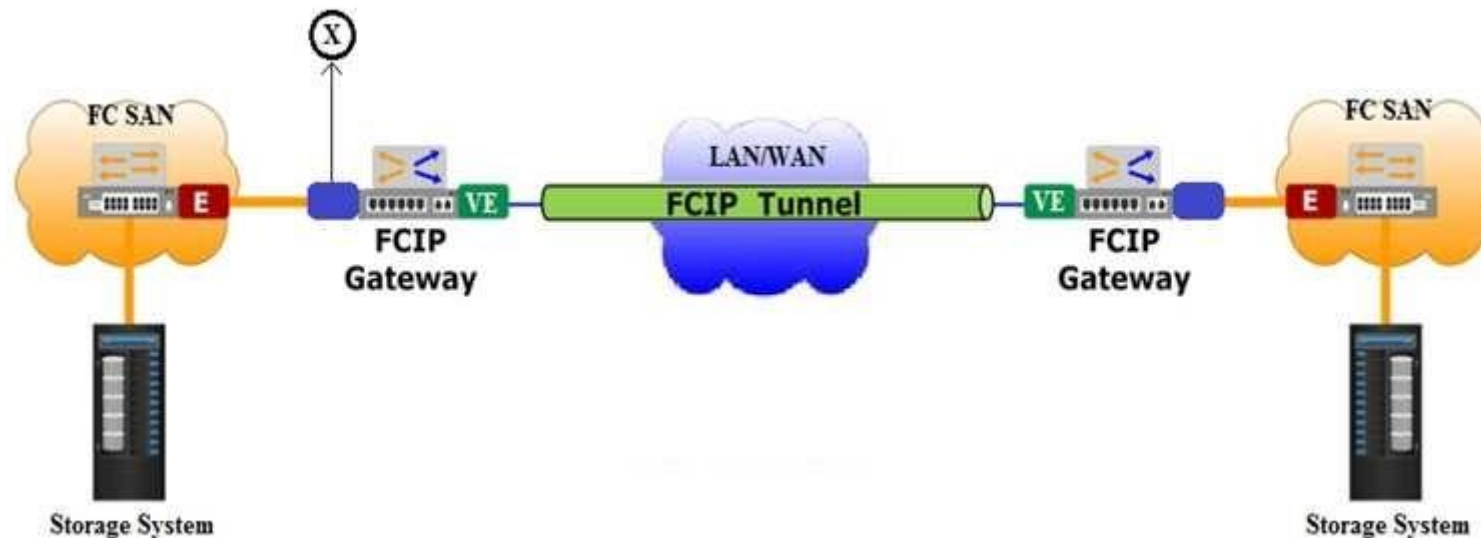
Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

Based on the exhibit, what does the "X" represent in the FCIP tunnel configuration?



- A. E_port
- B. EX_port
- C. F_port
- D. VE_port

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: https://education.dell EMC.com/content/dam/dell-emc/documents/en-us/KS2008_Holbrook-fibre_channel_fcip_holbrook.pdf (5)

QUESTION 28

A consumer is interested in a service that provides multiple operating systems and programming frameworks for application development and deployment.

Which recommended cloud service model will meet these requirements?

- A. Storage as a Service
- B. Platform as a Service
- C. Infrastructure as a Service

D. Software as a Service

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: https://en.wikipedia.org/wiki/Platform_as_a_service

QUESTION 29

Which Dell EMC product enables continuous protection for any PIT recovery and offers multi-site support?

- A. RecoverPoint
- B. Avamar
- C. SourceOne
- D. SRDF

Correct Answer: A

Section: (none)

Explanation



Explanation/Reference:

Reference: <https://www.dell EMC.com/resources/en-us/asset/data-sheets/products/storage-2/h2769-recoverpoint-ds.pdf>

QUESTION 30

What accurately describes a software-defined architecture?

- A. Supports only central management of private cloud resources using a pre-defined policy.
- B. Provides a unified management platform for centralized monitoring and administration.
- C. Uses only converged and hyperconverged infrastructures to offer services to companies.
- D. Provides decentralized, manual, and policy-driven IT resource management.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.hitachivantara.com/go/hitachi-iview-static/infrastructure.html>



<https://vceplus.com/>

