DEA-1TT4

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.

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.
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.
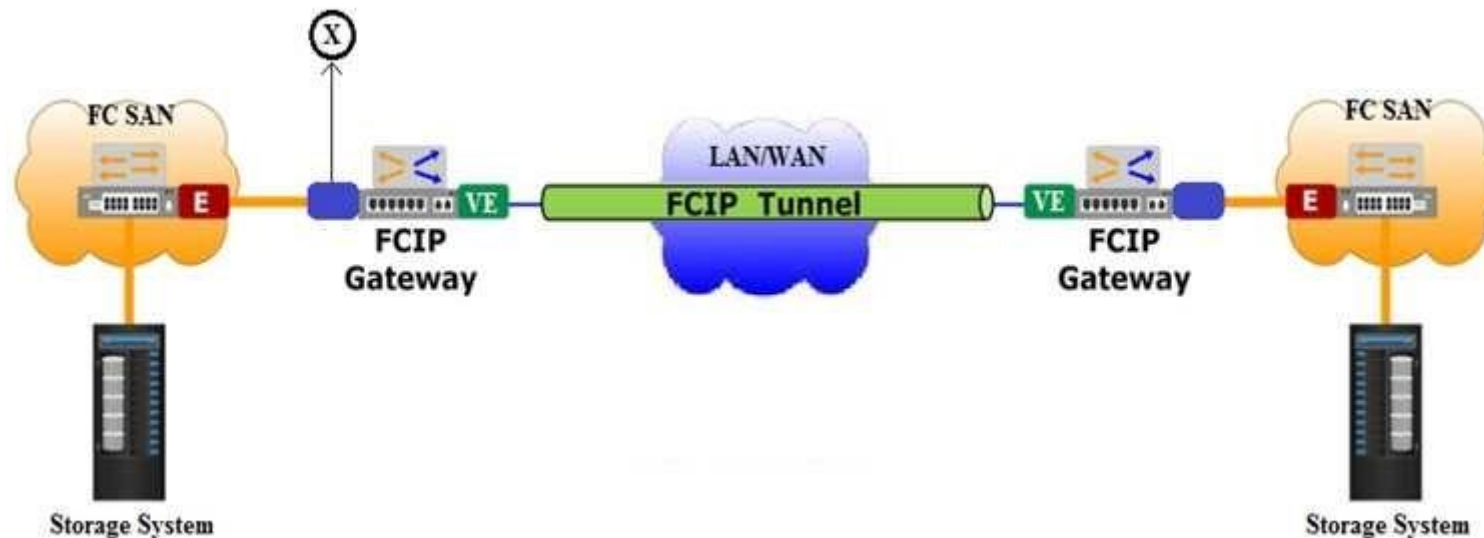D. Reduces the available switch ports for node connectivity.

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_portC. F_port
D. VE_port

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://education.dellemc.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.dellemc.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