

EMC-E05-001

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EMC

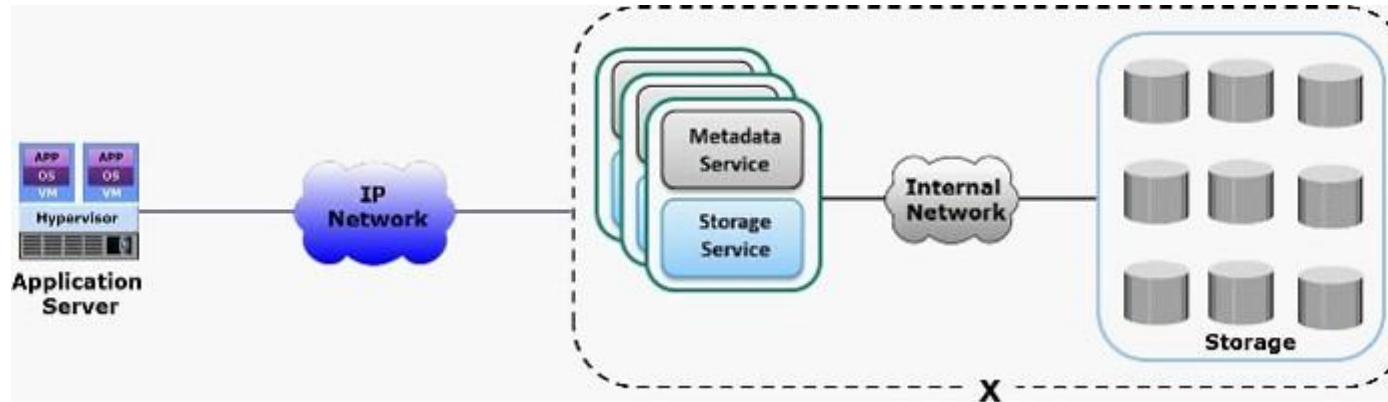
Exam E05-001

Information Storage and Management Version 3 Exam

A

QUESTION 1

Which type of storage device does the "X" represent in the exhibit?



- A. Object-based
- B. Block-based
- C. File-based
- D. Unified-based

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

What is an accurate statement about infrastructure discovery?

- A. Creates an inventory of infrastructure components and provides information about the components
- B. Standardizes on-going infrastructure management activities and assesses potential risks of the activities
- C. Classifies, organizes, and analyzes all infrastructure management best practices stored

in data lakes

- D. Detects potential security attacks on a storage infrastructure and deploys specialized tools to eliminate the attacks

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

Which global addressing does the REST application programming interface use for the discovery of a storage service?

- A. Uniform Resource Identifier
- B. Namespace
- C. Extensible Markup Language
- D. Controller-provided MAC address

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

A start-up company with a limited budget is planning to adopt a hybrid cloud solution for their operations. The company has business-critical applications that serve customers and have strict service levels. In addition, the company has less critical applications such as backup and archive.

Which hybrid cloud strategy should be recommended to the company?

- A. Deploy the business-critical applications on an externally-hosted private cloud.
Deploy the less critical applications on a public cloud.
- B. Deploy the business-critical applications on an on-premise private cloud.
Deploy the less critical applications on an externally-hosted private cloud.

- C. Deploy the business-critical applications on an on-premise private cloud.
Deploy the less critical applications on a public cloud.
- D. Deploy the business-critical applications on an externally-hosted private cloud.
Deploy the less critical applications on an on-premise private cloud.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

What is a benefit of using converged infrastructure for building a data center?

- A. Reduces the time to acquire and deploy the infrastructure
- B. Provides the flexibility to purchase individual IT components
- C. Integrates existing IT components into the infrastructure
- D. Offers the flexibility to change vendors and prevent vendor lock-in

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

What is an accurate statement about the Common Internet File System (CIFS) protocol?

- A. Enables a CIFS server to maintain connection information regarding every connected client
- B. Uses a Remote Procedure Call mechanism to provide access to the CIFS supported file systems
- C. Contains an open variation of the stateless user datagram protocol that stores information about open files
- D. Uses file system locking to enable users to simultaneously overwrite all metadata of a

file system

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

What contains the information about backup configuration and backup metadata?

- A. Backup catalog
- B. Proxy server
- C. Tracking database
- D. Backup image

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

Which part of the Fibre Channel (FC) frame does the label "X" represent in the exhibit?



- A. Frame Header
- B. CRC
- C. SOF
- D. Data Field

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9

Which EMC block-based storage system uses a cluster design to scale both capacity and performance?

- A. XtremIO
- B. Isilon
- C. XtremSF
- D. ScaleIO

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 10

What enables an administrator to create device groups in an IP-SAN for restricting device communications to a group?

- A. iSNS discovery domain
- B. NIC teaming
- C. Demilitarized zone
- D. Security identifier

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 11

What is an accurate statement about an integrated NAS controller?

- A. Contains a specialized operating system dedicated to file serving
- B. Stripes data across multiple NAS systems for data protection
- C. Abstracts and pools NAS controllers across multiple NAS systems
- D. Contains an FC Forwarder that is optimized for file sharing functions

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

Which component of a software-defined storage (SDS) environment enables integration with external monitoring tools?

- A. REST API
- B. Metadata service
- C. SDS web service
- D. Storage agent

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

Which NAS implementation requires separate management of the NAS head and the

storage?

- A. Gateway
- B. Scale-out
- C. Unified
- D. Integrated

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

Which EMC product provides a software-defined storage platform to create a compute-based storage area network?

- A. ScaleIO
- B. XtremIO
- C. Isilon
- D. Atmos

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

What is a benefit of a storage area network (SAN)?

- A. Enables compute systems across locations to access shared storage
- B. Ensures secure data transmission using only channel technologies
- C. Ensures high response times without the protocol overhead

D. Enables consolidation of control and data planes in a single system

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

Which lossless Ethernet functionality helps Converged Enhanced Ethernet (CEE) devices to convey and configure their features with the other CEE devices in the network?

- A. Data center bridging exchange protocol
- B. Enhanced transmission selection
- C. Priority-based flow control
- D. Congestion notification

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

What is compromised by a passive attack on an IT infrastructure?

- A. Confidentiality
- B. Integrity
- C. Availability
- D. Repudiation

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

Which data center management process involves collating and presenting the utilization of resources?

- A. Reporting
- B. Provisioning
- C. Planning
- D. Maintenance

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

What is a function of the FC-1 layer of the Fibre Channel (FC) protocol stack?

- A. Defines data encoding
- B. Provides FC addressing
- C. Defines the physical interface
- D. Maps upper layer protocols to FC layers

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

What is signified by the "variability" characteristic of big data?

- A. Meaning of the data changes constantly
- B. Data is generated in different formats by numerous sources
- C. Data change rate affects its timely analysis
- D. Varying data quality affects its reliability and accuracy

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

An administrator has defined a backup policy. Full backups will be performed at 8 PM every Monday and incremental backups performed at 8 PM the remaining days.

How many backup copies are required to restore the files if they were accidentally deleted on Friday morning?

- A. 1
- B. 2
- C. 3
- D. 4

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

What is a benefit when a node is added to a scale-out NAS cluster?

- A. Increased cluster performance

- B. Reduced capital expenditure
- C. Simplified cluster management
- D. Decreased data duplication

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

What is an accurate statement about OAuth security control?

- A. Allows a client to access protected resources from a resource server on behalf of a resource owner
- B. Provides strong authentication for client-server applications by using secret-key cryptography
- C. Enables initiators and targets to authenticate each other by using a shared secret code
- D. Enables an organization to use authentication services from an identity provider

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

An organization performs a full back up every Sunday and cumulative back ups on the remaining days. On Thursday, a data corruption occurs that requires a data restoration from the backup copies.

How many backup copies are required to perform this restoration?

- A. 1
- B. 2

- C. 3
- D. 4

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

What accurately describes the flow control mechanism in an FC SAN?

- A. Both transmitting and receiving ports agree on the number of buffers available during port login
- B. Negotiation occurs between an E_Port and an F_Port, and between two N_Ports
- C. Credit value is incremented when a frame is transmitted and decremented upon receiving a response
- D. Receiver Ready (R_RDY) is sent from the receiving port if available credits reach zero

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

What keeps the name server up-to-date on all switches in a fabric?

- A. SW-RSCN
- B. Management server
- C. Zoning
- D. FLOGI

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

What is the purpose of monitoring capacity in a storage infrastructure?

- A. Tracking the amount of storage infrastructure resources used and available
- B. Evaluating utilization of components and identifying bottlenecks
- C. Tracking configuration changes to the storage infrastructure elements
- D. Identifying component failures that may lead to service unavailability

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

Which type of login is performed between an N_Port and an F_Port in a Fibre Channel SAN environment?

- A. FLOGI
- B. PLOGI
- C. PRLI
- D. WWPN

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

An organization 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 9800 IOPS with a typical I/O size of 4 KB. The capacity of each available disk drive is 250 GB. The maximum number of IOPS a drive can perform at with 70percent utilization is 90 IOPS.

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

- A. 8
- B. 70
- C. 110
- D. 140

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

What is an advantage of performing cumulative backups compared to incremental backups for the same data?

- A. Facilitates faster restores
- B. Facilitates faster backups
- C. Reduces the storage space required for backups
- D. Eliminates the need for full backups

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

How does an iSCSI initiator discover its targets?

- A. Initiator sends a query to an iSNS server for a list of available targets
- B. Initiator receives the iSCSI names of its targets from the primary DNS server
- C. Initiator uses the data center bridging exchange protocol for the discovery
- D. Initiator sends SCSI commands and the target responds by sending its name

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

Which EMC product is a hyper-scale storage infrastructure that provides universal accessibility with support for object and HDFS?

- A. ECS Appliance
- B. XtremIO
- C. Data Domain
- D. Centera

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33

Which type of LUN provides full control for precise data placement and allows an administrator to create LUNs on different RAID sets if there is workload contention?

- A. Traditional
- B. Thin
- C. Journal
- D. Bitmap

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34

What is signified by the "variety" characteristic of big data?

- A. Data is generated in different formats by numerous sources
- B. Meaning of the data changes constantly
- C. Varying data quality affects its reliability and accuracy
- D. Data change rate affects its timely analysis

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35

What is an accurate statement about VLANs and VSANs in an FCoE environment with an existing FC SAN?

- A. A dedicated VLAN must be configured for each VSAN
- B. VLANs configured for VSANs must carry regular LAN traffic
- C. Default VLAN must map to all VSANs defined in the FCoE switch
- D. A minimum of four VLANs must be created to isolate VSAN traffic

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

What is an accurate statement about a virtual tape library?

- A. Legacy backup software can be used without additional modules or changes
- B. Portability of physical tapes to offsite locations is supported
- C. Only sequential data access for both backup and recovery is supported
- D. Regular maintenance tasks associated with a physical tape drive are required

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37

Which data structure enables two node ports to identify and manage a set of information units in a Fibre Channel (FC) SAN?

- A. Exchange
- B. Sequence
- C. Frame
- D. Domain

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 38

Which type of storage system is built specifically for storing fixed content?

- A. Content addressed storage
- B. Block-based storage
- C. File-based storage
- D. Unified storage

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 39

Which capability does big data analytics provide?

- A. Enabling data-driven decisions from large volumes of data
- B. Storing large volumes of data without affecting availability
- C. Reducing the data storage capacity requirement
- D. Performing analytics using traditional tools

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

Which EMC product provides automated monitoring and reporting of a software-defined storage infrastructure?

- A. ViPR SRM
- B. SnapSure
- C. Avamar
- D. FAST VP

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41

Which method is used to establish a VPN connection between a primary and remote data center to perform secure remote replication?

- A. Site-to-site VPN connection
- B. Remote access VPN connection
- C. Intra-site VPN connection
- D. Long distance VPN connection

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42

What is a function of the NDMP server in an NDMP-based backup approach?

- A. Reads the data from the storage device and sends the data to the backup device
- B. Reads the data from the backup server and sends the data to the backup device
- C. Instructs the NAS head to start the backup operation
- D. Instructs the backup agent on the client to send the data to the backup device

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43

What is an activity in the risk assessment step of risk management?

- A. Determine the likelihood of a risk
- B. Plan and deploy security controls
- C. Continuously observe the existing risks
- D. Identify the sources of threats that increase the risks

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44

Which VMware product provides a network virtualization platform for a software-defined data center?

- A. NSX
- B. ESXi
- C. Horizon
- D. AirWatch

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

Which action takes place during the login phase in an FCoE SAN?

- A. VN_Ports obtain FC addresses
- B. Nodes locate the Fibre Channel Forwarder
- C. Initialization protocol starts transporting FC data
- D. VN_Port to N_Port pairing is established

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46

Which capability is provided by a software-defined storage controller?

- A. Ability to pool and abstract physical storage and present it as an open storage platform
- B. Ability for multiple operating systems to run concurrently on a single physical compute system
- C. Mechanisms to automatically create application programming interfaces for centralized management
- D. Single self-contained package with integrated hardware and software components

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

An organization has several virtual machines (VMs) deployed in their data center. The VM files are stored on a block-based storage system. The applications on the VMs are impacted during VM backup because the backup agents on the VMs are consuming a large amount of resources.

Which alternate backup solution is recommended to address this issue?

- A. Image-based backup
- B. Three-way NDMP backup
- C. Two-way NDMP backup
- D. Target-based deduplication backup

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48

Which data center characteristic ensures that data is stored and retrieved exactly as it was received?

- A. Data integrity
- B. Security
- C. Scalability
- D. Manageability

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49

Which method does an intrusion detection and prevention system (IDPS) use to identify

intrusions by scanning and analyzing events to detect if they are statistically different from normal events?

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

What is a characteristic of a scale-out NAS?

- A. File system grows dynamically as nodes are added in the cluster
- B. Up to four file systems can be created across the cluster
- C. Distinct file systems are created on each node in the cluster
- D. Different file systems can be mixed on each node in a single cluster

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 51

What is an accurate statement about full volume replication?

- A. Target device is at least as large as the source device
- B. Target device requires only a fraction of the space used by the source device
- C. Target device is accessible only after the replication session starts

D. Target and source devices should be on different storage arrays

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 52

What is an example of an active attack on an IT infrastructure?

- A. Attempt to modify information for malicious purposes
- B. Attempt to copy the data from the storage system
- C. Attempt to gain unauthorized access into the system
- D. Attempt to gain access to the data in transit

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 53

What accurately describes link aggregation in a SAN?

- A. Combines two or more parallel interswitch links into a single logical interswitch link
- B. Aggregates the data transmission rate of all HBA and storage system port pairs
- C. Consolidates compute-to-compute traffic and storage traffic into a single interswitch link
- D. Replaces multiple parallel interswitch links by a single physical interswitch link

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54

What accurately describes an attack vector in an IT infrastructure?

- A. Series of steps that must be followed in order to complete an attack
- B. Various entry points that can be used to launch an attack
- C. Amount of effort required to exploit vulnerabilities in the infrastructure
- D. Process of identifying the system components under attack

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 55

Which solid state drive component performs write coalescing?

- A. Controller
- B. I/O interface
- C. Non-volatile memory
- D. Cache

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 56

Which data center characteristic ensures that adequate resources are provided to efficiently store and process data?

- A. Capacity
- B. Availability
- C. Scalability
- D. Performance

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 57

In an object-based storage system, data is divided into 9 data segments and 3 coding segments using the erasure coding technique. What is the maximum number of disk drive failures against which data is protected by this configuration?

- A. 3
- B. 6
- C. 9
- D. 12

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 58

What is determined by the recovery point objective in a business continuity solution?

- A. Frequency of the backup
- B. Type of backup devices
- C. Type of disaster recovery site

D. Distance between the primary and disaster recovery sites

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 59

What is a benefit of N_Port virtualization (NPV)?

- A. Reduces the number of domain IDs in a fabric
- B. Eliminates the overhead of fabric services in an FC SAN
- C. Enables online expansion of virtual volumes
- D. Allows an N_Port to transfer multiple VSAN traffic

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 60

What is an accurate statement about Platform as a Service?

- A. Consumer has control over the deployed applications
- B. Consumer has control over the operating system and database management system
- C. Consumer has control over the programming languages and tools
- D. Consumer has control over the operating system and storage

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 61

What is a benefit of deploying a Defense in Depth strategy?

- A. Provides additional time for organizations to detect and respond to an attack
- B. Eliminates the attack vector from the IT infrastructure
- C. Eliminates the attack surface from the IT infrastructure
- D. Enables organizations to deploy a unified security solution

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 62

An application generates 8400 small random I/Os at peak workloads with a read/write ratio of 2:1. What is the disk load at peak activity for a RAID 5 configuration?

- A. 4800
- B. 11200
- C. 16800
- D. A.22400

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 63

What is an accurate statement about the function of an archiving server?

- A. Enables the ability to configure policies for archiving data
- B. Installs agentson the archiving storage device
- C. Scans the data that can bearchived on application servers
- D. Creates stub files on an archiving storage device

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 64

Which feature of an object-based storage system abstracts and provides a common view of storage independent of location to applications?

- A. Global namespace
- B. Flexible data access
- C. Multi-tenancy
- D. Scale-out architecture

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 65

What is an accurate statement about three-way NDMP backup in a NAS environment?

- A. Backup device can be shared among multiple NAS heads
- B. Each NAS head should have a dedicated backup device
- C. Backup data traverses at least three NAS heads before reaching the backup device
- D. Backup is performed only when three or more NAS heads are present

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 66

What is an accurate statement about a data lake?

- A. Stores data as an exact or near-exact copy of the source format
- B. Supports query and analysis by classifying and organizing data before storing
- C. Stores current and historical data in a structured format on object-based storage
- D. Provides a single consistent view of data across an organization for report generation

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 67

In an FC SAN environment, an administrator wants to ensure that a particular switch port cannot function as an E_Port and cannot be used to create an interswitch link. Which security mechanism should the administrator use?

- A. Port type locking
- B. Port binding
- C. Persistent port disable
- D. Fabric binding

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 68

Which product provides an integrated IT infrastructure solution for data center deployment by combining IT resources into a single package?

- A. VCE Vblock
- B. EMC VPLEX
- C. EMC ViPR
- D. VMware vCloud

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 69

Which benefit does the measured service characteristic provide to a cloud service provider?

- A. Enables control and optimization of resource use
- B. Enables cloud services to communicate with each other
- C. Enables availability of specific resources depending on policy
- D. Enables the reduction and/or elimination of upfront IT expenditure

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 70

What is an example of an availability management task in storage infrastructure management?

- A. Designing a new replication solution for data redundancy
- B. Performing trend analysis of storage space consumption
- C. Tracking configuration changes to storage components
- D. Specifying storage space quotas for users

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 71

An application generates 8400 small random I/Os at peak workloads with a read/write ratio of 2:1. What is the disk load at peak activity for a RAID 1/0 configuration?

- A. 5600
- B. 11200
- C. 16800
- D. 22400

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 72

Which elements are associated with an object in an object-based storage system?

- A. Data, metadata, object ID, and attributes
- B. LUN ID, data, metadata, and object ID

- C. Metadata, object ID, attributes, and file path
- D. Object ID, attributes, LUN ID, and file path

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 73

Which component of a software-defined storage (SDS) environment manages and provisions storage?

- A. SDS controller
- B. REST API
- C. SDS web service
- D. Storage agent

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 74

What is a benefit of deploying a multi-site storage system-based remote replication solution?

- A. Ensures disaster recovery protection remains available in the event of source or remote site failures
- B. Provides the capability to recover data to any point-in-time
- C. Requires low network bandwidth to perform synchronous replication
- D. Enables a consistent near-zero RPO in the event of source and remote site failures

Correct Answer: A

Section: (none)
Explanation

Explanation/Reference:

QUESTION 75

An organization plans to deploy a new application in their environment. The new application requires 4 TB of storage space. During peak workloads, the application is expected to generate 4900 IOPS with a typical I/O size of 8 KB. The capacity of each available disk drive is 500 GB. The maximum number of IOPS a drive can perform at with a 70 percent utilization is 110 IOPS.

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

- A. 8
- B. 20
- C. 30
- D. 45

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 76

What is an accurate statement about the application presentation technique of application virtualization?

- A. Application executes remotely and its user interface is transmitted to the client
- B. Application is downloaded in portions on the client for local execution
- C. Application executes on the client without the use of a locally-installed agent
- D. Application is converted into a standalone package that directly executes on the client

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 77

What is an accurate statement about a virtual machine (VM) snapshot?

- A. Captures the state and data of a running VM at a specific point-in-time
- B. Provides the capability to delete the parent VM once the snapshot is created
- C. Runs as an independent copy from the parent VM
- D. Provides the capability to restore VM data to any point-in-time

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 78

Why should a replica be consistent with its source?

- A. Ensure the usability of the replica
- B. Reduce the need to create multiple replicas
- C. Ensure the security of the replica
- D. Reduce the size of the replica

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 79

Which fabric login type enables two N_Ports to exchange service parameters to establish a session?

- A. PLOGI
- B. PRLI
- C. FLOGI
- D. WWPN

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 80

What is a function of the orchestration layer in a data center infrastructure?

- A. Provides workflows for automated execution of management tasks
- B. Aggregates physical infrastructure components into resource pools
- C. Measures the consumption of IT resources by various services
- D. Decouples an operating environment from the underlying hardware

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 81

Which technique is used in Kerberos to authenticate a client-server application across an insecure network?

- A. Secret-key cryptography
- B. One-way hash function
- C. Shared secret
- D. OpenID control

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 82

In continuous data protection (CDP) remote replication, where are the two split write I/Os of an incoming write I/O directed?

- A. One I/O goes to the local CDP appliance and the other I/O goes to the production volume
- B. One I/O goes to the compute system and the other I/O goes to the production volume
- C. One I/O goes to the remote CDP appliance and the other I/O goes to the replica
- D. One I/O goes to the journal volume and the other I/O goes to the replica

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 83

What maps the logical path of a file system to its physical path in a file-level virtualization implementation?

- A. Global namespace
- B. Remote procedure call
- C. Distributed file system

D. Cache coherency

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 84

Which fabric login type occurs between two N_Ports to exchange FC-4 upper layer protocol-related parameters?

- A. PRLI
- B. FLOGI
- C. PLOGI
- D. WWNN

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 85

An organization performs a full back up every Sunday and incremental back ups on the remaining days at 9:00 AM. However, at 10 PM on Friday, a data corruption occurs that requires a data restoration from the backup copies.

How many backup copies are required to perform this restoration?

- A. 2
- B. 4
- C. 5
- D. 6

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 86

What is an accurate statement about a logical volume in a compute system?

- A. Can span across multiple physical volumes
- B. Can only be created from a single physical volume
- C. Must be created across multiple volume groups
- D. Allows multiple file systems to run concurrently

Correct Answer: A

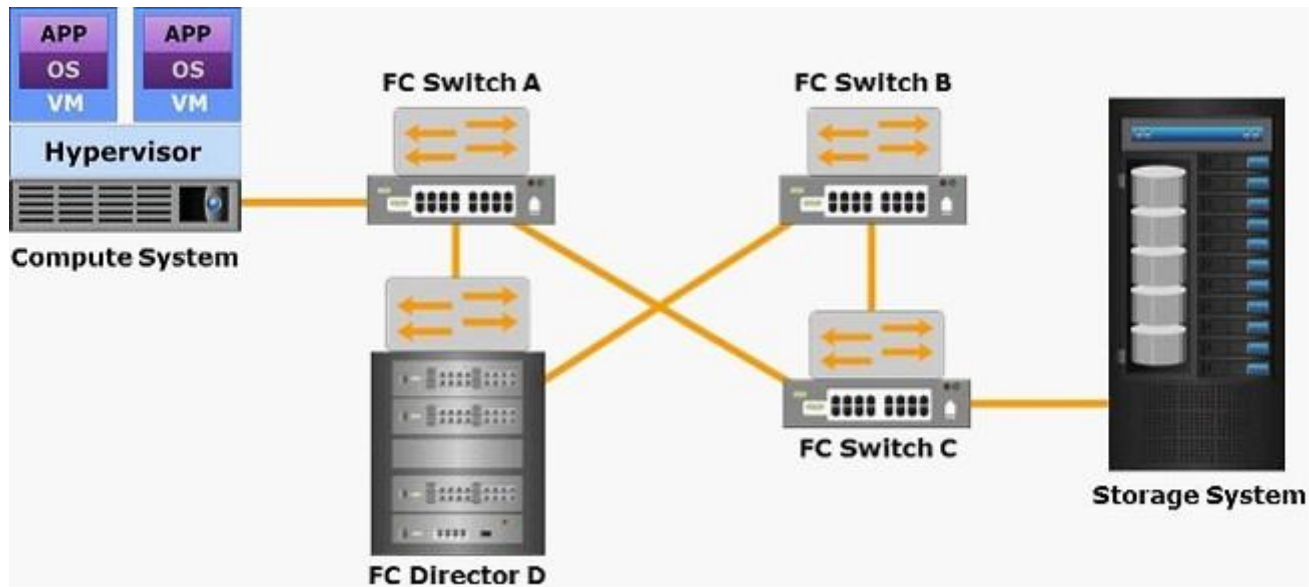
Section: (none)

Explanation

Explanation/Reference:

QUESTION 87

Which type of fabric topology does the exhibit represent?



- A. Partial mesh
- B. Full mesh
- C. Single core-edge
- D. Dual core-edge

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 88

An organization plans to deploy a new backup device in their data center. The organization wants the new backup device to support their legacy backup software without requiring any changes to the software. In addition, the organization wants the backup device to provide random data access for better performance.

Which backup device should be recommended?

- A. Virtual tape library
- B. Tape-based backup appliance
- C. Tape library
- D. Optical juke box

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 89

What accurately describes the seek time of a disk drive?

- A. Time taken to position the read/write head over the correct track
- B. Time taken by the platter to position the data under the read/write head
- C. Time taken to read a block of data from the platter
- D. Time taken by the controller to service an I/O from the application

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 90

What is an accurate statement about a hardware RAID implementation?

- A. Uses a specialized hardware controller installed on a storage array
- B. Uses CPU cycles of a compute system to perform RAID calculations
- C. Requires a RAID controller and operating system to be compatible
- D. Offers a low-cost solution for providing disk protection

Correct Answer: A

Section: (none)
Explanation

Explanation/Reference:

QUESTION 91

What is an accurate statement about incremental forever backups?

- A. Requires only one initial full back up
- B. Requires periodic full back ups
- C. Backup is not created directly from the production data
- D. Copies the data that has changed since the last full back up

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 92

What is an accurate statement about a denial-of-service attack?

- A. Prevents legitimate users from accessing resources or services
- B. Intentional misuse of privileges to compromise data security
- C. Gaining unauthorized access to a user's accounts and data
- D. Captures a user's credentials and then sends to the attacker

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 93

What is a function of the metadata manager in a compute-based storage area network (SAN)?

- A. Controls load balancing and data migration in a compute-based SAN
- B. Provides an interface to the software-defined storage controller
- C. Controls all data read and write operations in a compute-based SAN
- D. Performs the I/O operations on the local storage of a compute system as requested by a client

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 94

A system has three components and all three components need to be operational for 24 hours; Monday through Friday. During a particular week, failure of component 3 occurred as follows:

Tuesday = 8 AM to 1 PM
Thursday = 5 PM to 10 PM
Friday = 5 AM to 10 AM

What is the mean time between failures on component 3 for that week?

- A. 5 hours
- B. 35 hours
- C. 40 hours
- D. 51 hours

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 95

What is determined based on the recovery point objective in an asynchronous remote replication?

- A. Size of the buffer
- B. Size of the replica
- C. Response time
- D. Location of the source

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 96

Which type of digital data has no defined format but has a self-describing structure that enables its analysis?

- A. Semi-structured data
- B. Structured data
- C. Metadata
- D. Quasi-structured data

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 97

In an object-based storage system, data is divided into 10 data segments and 4 coding segments using the erasure coding technique. What is the maximum number of disk drive failures against which data is protected by this configuration?

- A. 4
- B. 6
- C. 10
- D. 14

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 98

What is an accurate statement about a fabric-provided MAC address (FPMA) used in an FCoE SAN?

- A. FCoE switches provide MAC addresses to VN_Ports during node login
- B. FC switches provide MAC addresses to VE_Ports dynamically during discovery
- C. Compute systems provide MAC addresses to the VF_Ports on FCoE switches
- D. Both VF_Ports and VE_Ports obtain MAC addresses from FC switches

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 99

What provides the ability to automatically relocate extents across physical storage drives over the entire pool when new drives are added to the pool?

- A. Storage pool rebalancing
- B. Extent relocation
- C. Storage pool tiering
- D. Automated extent tiering

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 100

What is an accurate statement about Challenge Handshake Authentication Protocol (CHAP) control?

- A. Enables initiators and targets to authenticate each other by using a shared secret code
- B. Provides strong authentication for client-server applications by using secret-key cryptography
- C. Allows a client to access protected resources from a resource server on behalf of a resource owner
- D. Enables an organization to use authentication services from an identity provider

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 101

What is a benefit of link aggregation in a SAN?

- A. Provides a higher throughput than a single interswitch link can provide
- B. Distributes the network traffic across all virtual SANs, ensuring even virtual SAN utilization

- C. Optimizes performance by consolidating all interswitch links into a single physical link
- D. Provides the flexibility to deploy the same interswitch links for both FC and iSCSI traffic

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 102

What is a benefit of implementing the server flash caching technology in a storage environment?

- A. Provides performance acceleration for read intensive workloads
- B. Reduces the number of storage systems in a data center
- C. Eliminates the need for cache on a storage system
- D. Improves the network performance during peak workloads

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 103

To improve performance, which EMC product allows a PCIe flash card to be deployed in a compute system?

- A. XtremSF
- B. XtremCache
- C. ScaleIO
- D. XtremIO

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 104

What is an accurate statement about the application streaming technique of application virtualization?

- A. Application is downloaded in portions on the client for local execution
- B. Application executes remotely and its user interface is transmitted to the client
- C. Application executes on the client without the use of a locally-installed agent
- D. Application is converted into a standalone package that directly executes on the client

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 105

Which process groups multiple physical drives and presents them to a compute system as a single logical volume?

- A. Concatenation
- B. Partitioning
- C. Striping
- D. Orchestration

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 106

Which data access method enables a compute system to access a file system that resides on a storage system?

- A. File-based
- B. Block-based
- C. Object-based
- D. Sector-based

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 107

What is an advantage of the changed block tracking backup technique?

- A. Reduces the backup window
- B. Enables restoration to any point-in-time
- C. Eliminates the need for data deduplication
- D. Increases backup device performance

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 108

What does the transformation of an operating model for third platform adoption involve?

- A. Provisioning IT resources through a self-service portal

- B. Establishing new roles and responsibilities to manage IT services
- C. Adopting virtualization technologies to enable automation
- D. Building new technical and business skills in the IT staff

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 109

What is an accurate statement about remote desktop services?

- A. Operating system and applications hosted on a remote compute system are shared by multiple users
- B. Users are provided dedicated virtual machines running operating system and applications, and hosted on a client system
- C. Users have the flexibility to install applications and modify operating system settings on the remote compute system
- D. Users' interface of the remote desktop is transmitted to the client without the use of a remote display protocol

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 110

What is an accurate statement about Infrastructure as a Service?

- A. Consumer has control over the operating systems and the deployed applications
- B. Consumer only has control over user-specific application configuration settings
- C. Consumer has control over network devices, compute systems, and storage systems

- D. Consumer only has control over the configuration settings of the application-hosting environment

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 111

What refers to an IT infrastructure's ability to function based on business expectations during its specified time of operations?

- A. Information availability
- B. Disaster recovery
- C. Compliance adherence
- D. Business agility

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 112

How do VSANs ensure security in an IT infrastructure?

- A. By providing isolation over a shared infrastructure
- B. By authenticating a new switch that joins a fabric
- C. By limiting the number of switches in a fabric
- D. By prohibiting an unused switch port from being used

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 113

What is a benefit of block-level storage virtualization?

- A. Enables the online expansion of virtual volumes
- B. Enhances performance by limiting the RSCN traffic
- C. Improves security through logical segmentation of block storage devices
- D. Increases scalability through separation of FC addresses across VSANs

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 114

In which stage of the business continuity planning lifecycle does an organization identify critical business processes and assign recovery priorities?

- A. Analyzing
- B. Establishing objectives
- C. Designing and developing
- D. Implementing

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 115

Which EMC product provides a software-defined platform that supports both block and file storage services?

- A. ViPR Controller
- B. ScaleIO
- C. Elastic Cloud Storage
- D. XtremIO

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 116

What is a benefit of application virtualization?

- A. Avoids conflicts between different versions of the same application
- B. Enables an application to directly access a LUN on a storage system
- C. Runs applications without requiring the use of cache memory
- D. Presents more memory to an application than is physically available

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 117

A customer has a requirement to perform a backup each night. However, the customer has a limited amount of time for backups to run on week nights, Monday through Friday evenings.

Which backup granularity type is recommended to meet the backup window for those

nights?

- A. Incremental
- B. Cumulative
- C. Full
- D. Differential

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 118

What is a characteristic of software-defined networking?

- A. Abstracts and separates the control plane from the data plane
- B. Data plane sends instructions to the controlplane to handle network traffic
- C. Controller in network switchestakes over data plane functions
- D. External software combines both data plane and control plane functions

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 119

What is a benefit of implementing a virtual machine (VM) storage migration?

- A. Balances storage utilization by redistributing VMs across different storage systems
- B. Enables VMs to keep functioning even if the source data is lost due to a failure
- C. Improves the security of applications running inside VMs on the migrated storage system

D. Reduces the overall storage system capacity requirements for organizations

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 120

What improves the performance of multi-threaded large block I/O workloads on a solid state drive?

- A. Parallel I/O channels
- B. I/O coalescing
- C. Native command queuing
- D. High capacity RAM cache

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 121

Which EMC product enables management for Vblock systems?

- A. Unified Infrastructure Manager
- B. MirrorView
- C. Service Assurance Suite
- D. ViPR SRM

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 122

What is a benefit of using content addressed storage (CAS) as an archival solution?

- A. Ensures content authenticity and integrity
- B. Supports location independence using different content IDs for an object
- C. Provides the ability to perform production operations on the CAS
- D. Enables modification of archived data

Correct Answer: A

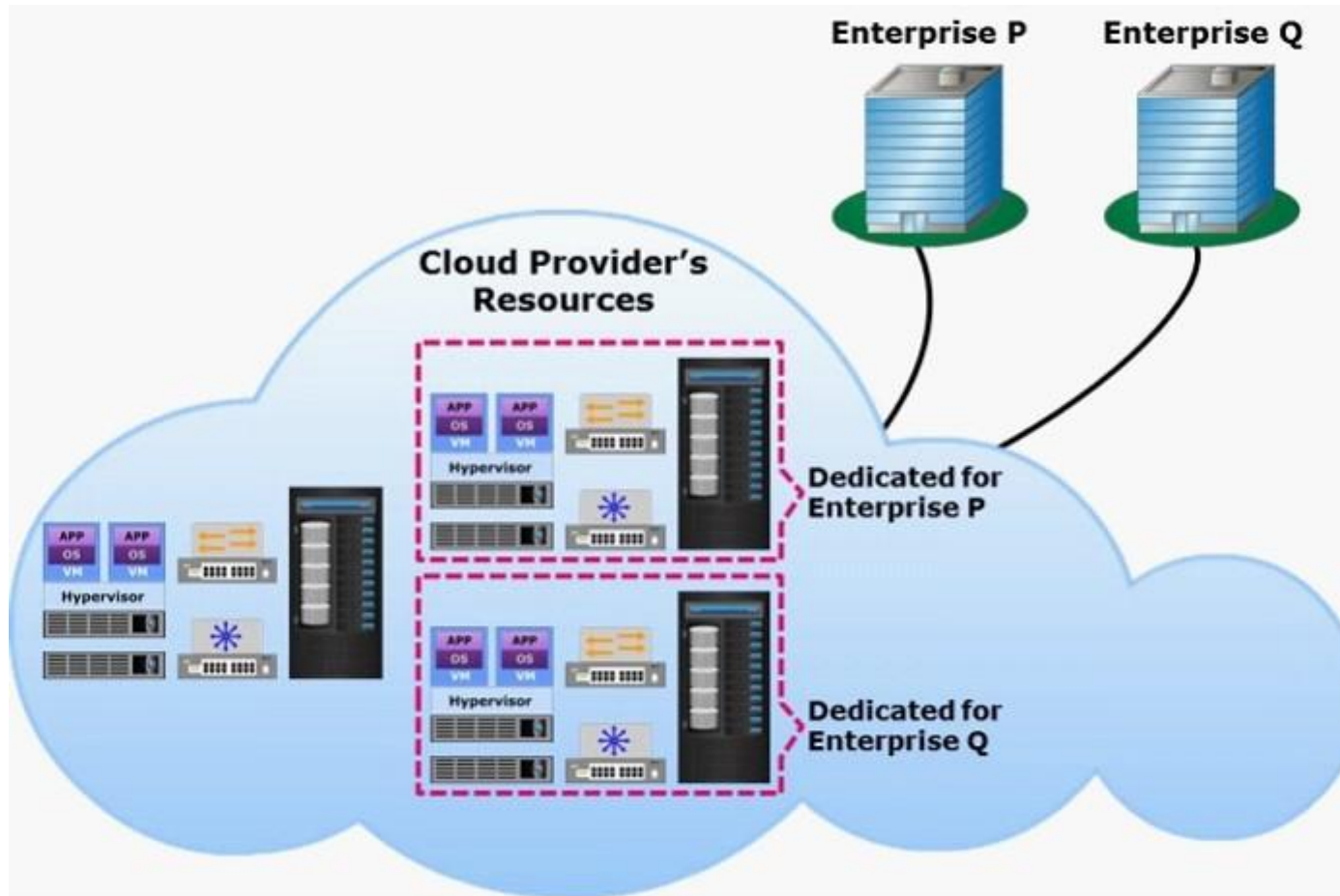
Section: (none)

Explanation

Explanation/Reference:

QUESTION 123

A service provider is offering cloud services to Enterprise P and Enterprise Q.



Which cloud deployment model does the exhibit represent?

- A. Externally-hosted private cloud
- B. On-premise community cloud
- C. Public cloud
- D. Externally-hosted community cloud

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 124

What is an accurate statement about hypervisor-based continuous data protection (CDP)?

- A. Write splitter is embedded in the hypervisor
- B. Journal is stored in a virtual machine
- C. Journal and replica use the same storage volume
- D. Virtual appliance runs on a storage system

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 125

What is an accurate statement about a virtual desktop infrastructure?

- A. Each user is provided a dedicated desktop VM with its own operating system and applications
- B. Operating system and applications hosted on a client system are shared by multiple users
- C. Each user has an individual desktop session on the remote compute system in which applications execute
- D. Operating system and applications on the remote desktop are downloaded on the client for local execution

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 126

Which operation is performed by a scale-out NAS cluster when clients send data to the cluster?

- A. Data is divided and stored on multiple nodes in parallel
- B. Data is consolidated into a block and then stored on the NAS head
- C. Data is evenly distributed to every file system in the cluster
- D. NAS file system and cluster grow dynamically to store the data

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 127

Why is it important for organizations to maintain a copy of data at a remote site?

- A. Ensure disaster recovery
- B. Provide operational recovery
- C. Ensure data archiving to meet regulatory requirements
- D. Provide flexibility to use stub files for production operations

Correct Answer: A

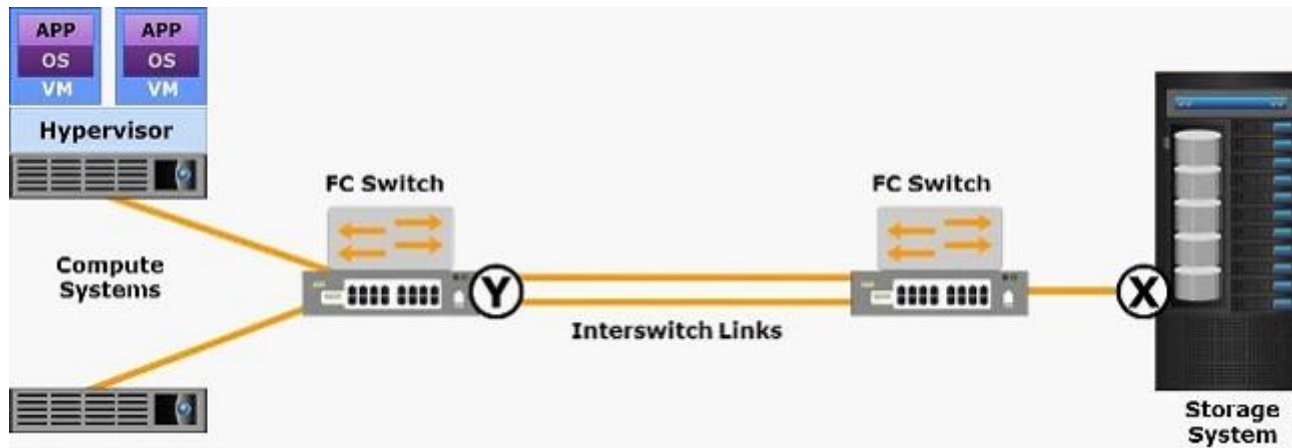
Section: (none)

Explanation

Explanation/Reference:

QUESTION 128

Which type of Fibre Channel (FC) ports do the labels "X" and "Y" represent in the exhibit?



- A. X is an F_Port and Y is an E_Port
- B. X is an F_Port and Y is a G_Port
- C. X is a G_Port and Y is an N_Port
- D. X is an N_Port and Y is an E_Port

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 129

Which technique protects the data in cache from power failures?

- A. Vaulting
- B. Mirroring
- C. Cache tiering
- D. Idle flushing

Correct Answer: A

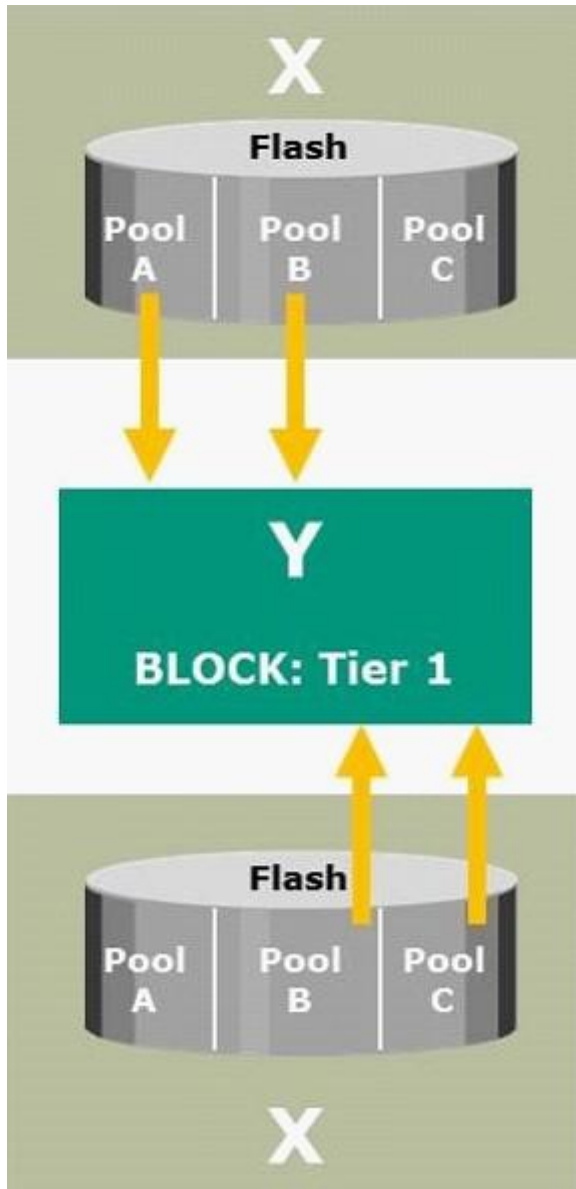
Section: (none)

Explanation

Explanation/Reference:

QUESTION 130

The exhibit illustrates a software-defined storage environment. What do the labels "X" and "Y" represent in the exhibit?



- A. X is a virtual storage system and Y is a virtual storage pool
- B. X is a virtual storage pool and Y is a virtual storage system

- C. X is a physical storage pool and Y is a virtual storage system
- D. X is a virtual storage pool and Y is a physical storage system

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference: