

Exam Code: D-ISM-FN-23

Exam Name: Dell Information Storage and Management Foundations 2023



Exam A

QUESTION 1

What is a primary benefit of using data replication in a data center environment?

- A. Provides data archiving capability
- B. Reduces the cost of storage
- C. Ensures business continuity
- D. Reduces duplicate data

Correct Answer: C

Section:

QUESTION 2

What is true about an OSD storage system?

- A. Numerous objects can be stored in a single file system folder of OSD.
- B. Objects are created based on the name and location of the file.
- C. One object can be placed inside another object to save storage space.
- D. Objects contain user data, related metadata, and user defined attributes of data.

Correct Answer: D

Section:



QUESTION 3

Which storage management function ensures that the services and service levels are delivered per SLAs?

- A. Infrastructure discovery management
- B. Portfolio management
- C. Financial management
- D. Operation management

Correct Answer: D

Section:

QUESTION 4

In a modern data center environment, which mechanism secures internal assets while allowing Internet-based access to selected resources?

- A. Virtual private network
- B. Demilitarized zone
- C. WWN zoning
- D. Virtual local area network

Correct Answer: B

Section:

QUESTION 5

What is the total usable data storage capacity in this scenario:
a RAID 6 array with four 250GB disks

- A. 500 GB
- B. 1000 GB
- C. 250 GB
- D. 75 GB

Correct Answer: A

Section:

QUESTION 6

Cloud tiering is the part of which tier?

- A. Policy
- B. Secondary Storage
- C. Primary Storage
- D. Application

Correct Answer: B

Section:

Explanation:

Cloud tiering is a technology that automatically moves inactive or infrequently accessed data from high-performance primary storage to lower-cost secondary storage, such as cloud-based object storage. This process is based on policies that are defined by the IT administrator. Cloud tiering is a part of the secondary storage tier, which is typically used for storing inactive or infrequently accessed data that does not require the high performance or low latency of primary storage. The primary storage tier is used for storing active or frequently accessed data that requires high performance and low latency. The application tier is used for hosting applications and services, while the policy tier is used for defining and enforcing data management policies.

Reference: Section 4.4 Secondary Storage Tier, page 239.

QUESTION 7

What is the functionality of the application server in a Mobile Device Management?

- A. Perform administration and management of all unmanaged devices
- B. Authenticate the device that requests access
- C. Perform administration and management of all managed devices
- D. Authorize devices directed to the server

Correct Answer: B

Section:

Explanation:

MDM is a control that restricts access to an organization's resources only to authorized mobile devices.

QUESTION 8

Which file system provides a streaming interface using the MapReduce framework?

- A. CIFS



- B. HDFS
- C. NFS
- D. NTFS

Correct Answer: B

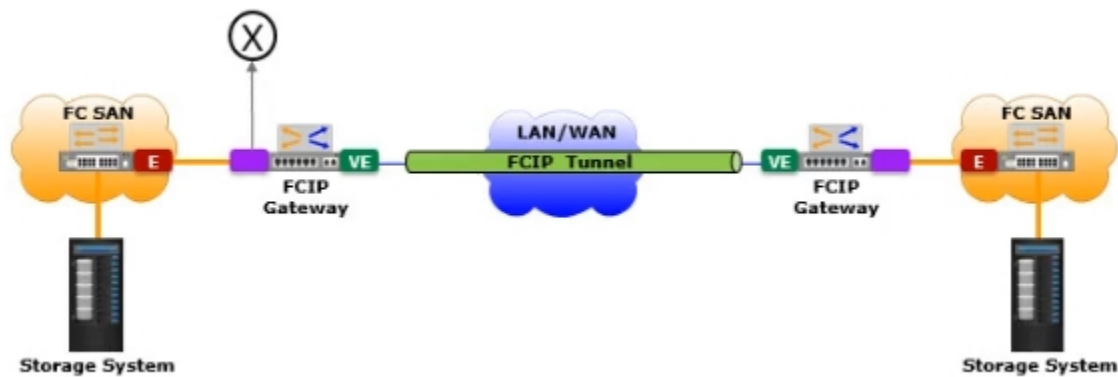
Section:

Explanation:

HDFS - Presents a streaming interface to run any application of choice using the MapReduce framework.

QUESTION 9

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: A

Section:

QUESTION 10

What is an accurate statement about governance?

- A. Creates the policies and enforces their adherence
- B. Ensures removal of data security vulnerabilities
- C. Determines strategy and operational rules by which companies are directed and managed
- D. Restricts access privileges to certain legitimate users to avoid IT managed resource conflicts

Correct Answer: C

Section:

Explanation:

Governance is a practice of creating and enforcing policies that guide an organization in how it should be managed and operated. This includes developing strategies, setting operational rules, and making decisions that direct how an organization should be run. It is important to note that governance is not limited to only IT-related matters, as it encompasses all aspects of the organization, from financial to personnel management.

QUESTION 11

Which data protection solution provides the ability to select a backup technology based on demand?

- A. Agent-Based backup
- B. Cloud-Based backup
- C. File-Based backup
- D. Image-Based backup

Correct Answer: D

Section:

QUESTION 12

What is the key advantage of RAID 6 compared to RAID 5?

- A. Higher usable storage capacity
- B. Fewer disk drives
- C. Higher resiliency
- D. Lower write penalty

Correct Answer: C

Section:

QUESTION 13

The Ethernet switch has eight ports and all ports must be operational for 24 hours, from Monday through Friday. However, a failure of Port 4 occurs as follows:

Monday = 8 PM to 11 PM -

Wednesday = 7 PM to 10 PM -

Thursday = 6 AM to 12 PM -

What is the MTTR of Port 4?

- A. 28 hours
- B. 2 hours
- C. 38 hours
- D. 4 hours

Correct Answer: D

Section:

QUESTION 14

DRAG DROP

Match each OSD features with its description.

Select and Place:



Answer area



OSD Features

Flexible data access method	Metadata driven policy
Data protection	Global namespace

Decription

- Drives data placement and protection based on the service requirements
- Abstracts storage from the application and provides a common view independent of location
- Supports REST/SOAP APIs and the file sharing protocols, CIFS and NFS, for file services
- Global distribution of objects using either replication of erasure coding

Correct Answer:

Answer area



OSD Features

Decription

- Drives data placement and protection based on the service requirements
- Abstracts storage from the application and provides a common view independent of location
- Supports REST/SOAP APIs and the file sharing protocols, CIFS and NFS, for file services
- Global distribution of objects using either replication of erasure coding

Metadata driven policy
Global namespace
Flexible data access method
Data protection

Section:

Explanation:

QUESTION 15

Which network file sharing protocol provides cloud-based file sharing through a REST API interface?

- A. S3
- B. HDFS
- C. ZFS
- D. FTP

Correct Answer: A

Section:

QUESTION 16

Which data deduplication method would a cloud service provider use when storing back up data at their location?

- A. Source-based
- B. Target-based
- C. Application-based
- D. Agent-based

Correct Answer: A

Section:

Explanation:

Cloud service providers use source-based method when performing a backup from consumer's location to their location.

QUESTION 17

What is a benefit of differential backup over incremental backup?

- A. Incremental backup can expand to contain more data than differential backup.
- B. Differential backups have longer restore times than incremental backup.
- C. Differential backup can expand to contain more data than an incremental backup
- D. Incremental backups determine the backup copy used to restore the data.



Correct Answer: C

Section:

Explanation:

Differential backups are more efficient than incremental backups because, instead of backing up only the changes made since the last backup, they back up all of the data that has changed since the last full backup. This means that, unlike incremental backups, the size of the differential backup is not limited and can expand to contain more data than an incremental backup. Additionally, differential backups are faster to restore since they only need to read the differential backup and last full backup, rather than all of the incremental backups.

QUESTION 18

What does using a service-focused approach provide to managing the storage infrastructure?

- A. Determines the optimal amount of storage space needed in a backup storage system
- B. Provides hardware-specific management tasks that are automated
- C. Determines the appropriate workflow upon receiving a service provisioning request
- D. Provides detailed information on configuration, connectivity, and component interrelationships

Correct Answer: C

Section:

Explanation:

Using a service-focused approach allows the storage infrastructure to be managed based on the needs of the business or customers. This approach focuses on the delivery of services, rather than just the management of storage components or devices. When a service provisioning request is received, the service-focused approach provides a framework to determine the appropriate workflow to fulfill that request. This may include provisioning additional storage resources, modifying existing configurations, or other tasks to meet the service level agreements (SLAs) of the business or customer.

Reference: Section 1.3 Service-Oriented Storage Provisioning, page 16.

QUESTION 19

Which plane of the SDDC architecture provides a CLI and GUI for IT to administrator the infrastructure and to configure policies? (Choose Correct Answer from Associate - Information Storage and Management version 5 Manual from dellmc.com and give explanation)

- A. Data plane
- B. Service plane
- C. Control plane
- D. Management plane

Correct Answer: D

Section:

Explanation:

The Management plane of the Software-Defined Data Center (SDDC) architecture provides a graphical user interface (GUI) and command-line interface (CLI) for IT administrators to manage and configure the infrastructure, including storage resources. The management plane is responsible for providing visibility, automation, and orchestration of the SDDC components. It enables IT administrators to monitor and manage the infrastructure, configure policies, and allocate resources as needed.

Reference: Section 1.1 Introduction to Software-Defined Data Center (SDDC), page 5.

QUESTION 20

Which interface does an SCM device use to connect to intelligent storage system controllers?

- A. NVMe
- B. SATA
- C. SAS
- D. FC

Correct Answer: C

Section:

QUESTION 21

What kind of ML explicitly requires splitting the data into training and testing datasets before running an algorithm against that data?

- A. Deep Learning
- B. Unsupervised Learning
- C. Reinforcement Learning
- D. Supervised Learning

Correct Answer: D

Section:

Explanation:

Depending on the type of ML approach and the phase of the buildout, labels or tags might be another essential component to data collection. In supervised learning approaches, clearly tagged data and direct feedback ensures that the algorithm can self-learn

QUESTION 22



An organization is interested in a cloud service that provides middleware, development tools, and database management systems for application development and deployment. Which cloud service model meets these requirements?

- A. Software as a Service
- B. Infrastructure as a Service
- C. Platform as a Service
- D. Application as a Service

Correct Answer: C

Section:

Explanation:

Consumers have control over deployed applications and application hosting environment configurations.

QUESTION 23

Which standard provides FCoE with a lossless Ethernet network?

- A. SCSI Remote Direct Memory Access
- B. Data Center Bridging
- C. Data Center Bridging Exchange Protocol
- D. InfiniBand

Correct Answer: B

Section:

QUESTION 24

Which layer of the OSI reference model provides logical end-to-end connections, sequencing, and integrity?

- A. Transport
- B. Presentation
- C. Session
- D. Data Link

Correct Answer: A

Section:

QUESTION 25

In a NAS environment, which file system enables file sharing with Windows clients and uses the TCP/IP protocol?

- A. New Technology File System (NTFS)
- B. Hadoop Distributed File System (HDFS)
- C. Common Internet File System (CIFS)
- D. Network File System (NFS)

Correct Answer: C

Section:

QUESTION 26



An organization wants to replicate data over a public network to a cloud.
Which security control mechanism helps to secure the data during replication?

- A. LUN masking
- B. Data shredding
- C. Data compression
- D. Encryption

Correct Answer: D
Section:

QUESTION 27

What type of technology is used in SSD devices to provide non-volatile data storage?

- A. Static RAM
- B. Dynamic RAM memory
- C. Flash memory
- D. Programmable read-only memory

Correct Answer: C
Section:

QUESTION 28

Which layer of the OSI reference model is responsible for logical addressing and routing?

- A. Data Link
- B. Session
- C. Network
- D. Transport

Correct Answer: C
Section:

Explanation:

Layer 3 - Network - logical addressing and routing

QUESTION 29

Which block storage volume allocates all of the physical storage specified at the time it is created?

- A. Thick provisioned LUN
- B. Thin provisioned LUN
- C. Thin provisioned RAID
- D. Thick provisioned RAID

Correct Answer: A
Section:

QUESTION 30



What is a benefit of migrating to a modern data center?

- A. Reduce public cloud application development complexity
- B. Reduce management complexity by deploying only unified and converged IT resources
- C. Reduce the cost of managing data center components by using a self-service catalog
- D. Reduce administration complexity and application downtime to consistently meet SLAs

Correct Answer: B

Section:

QUESTION 31

Which infrastructure building process allows organizations to repurpose existing infrastructure components and provides cost benefits?

- A. Public cloud
- B. Greenfield
- C. Greyfield
- D. Brownfield

Correct Answer: D

Section:

Explanation:

This method involves upgrading or adding new infrastructure elements to the already existing infrastructure. This method allows organizations to repurpose the existing infrastructure components, providing a cost benefit. Simultaneously the organization may face integration issues, which can compromise the stability of the overall system.

QUESTION 32

What is a function of VM hardening?

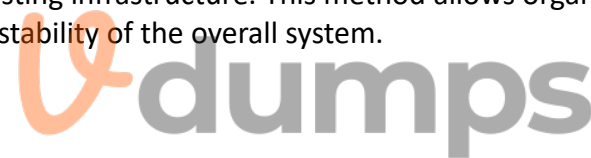
- A. Isolate VM storage media to ensure data validity
- B. Isolate VM storage media to prevent data leaks
- C. Change the default configuration of the VM to enhance security
- D. Implement access control list across the VMs to enhance security

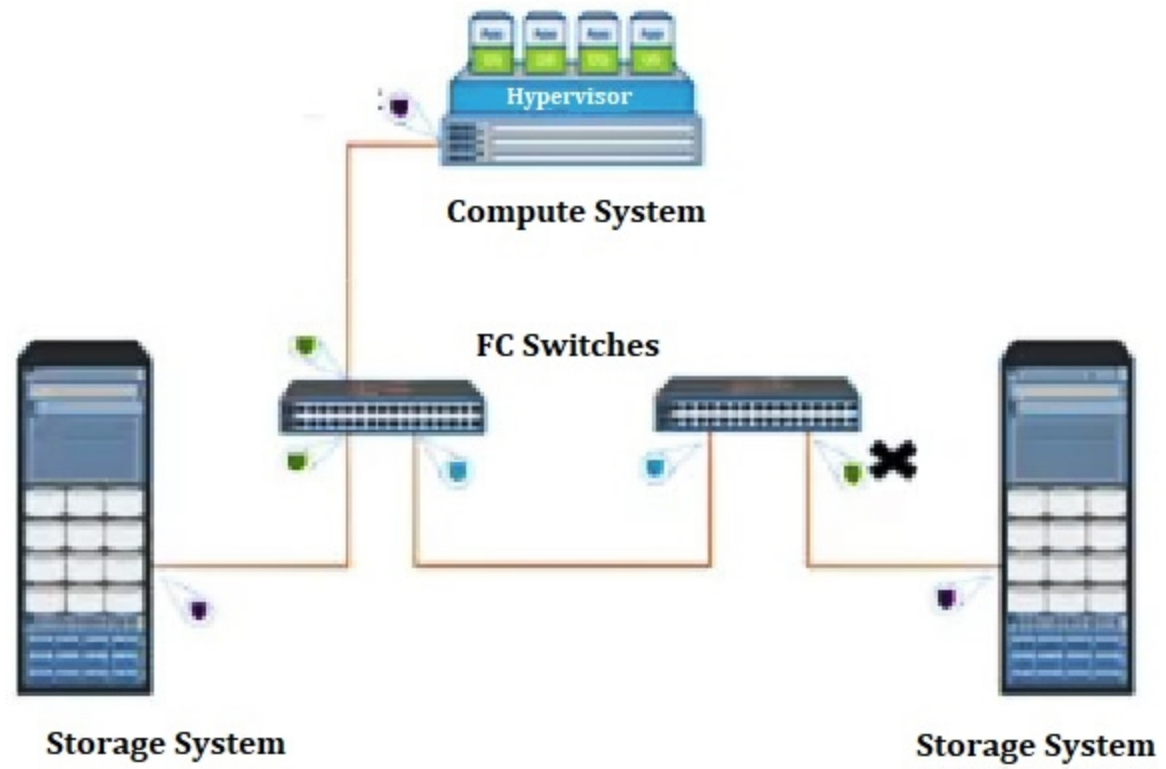
Correct Answer: C

Section:

QUESTION 33

Refer to the exhibit.





What type of Fibre Channel port does the "X" represent?

- A. N_port
- B. F_port
- C. E_port
- D. NL_port

Correct Answer: B

Section:

QUESTION 34

Which Dell EMC product is designed to host both file and object data?

- A. PowerEdge
- B. PowerScale
- C. PowerVault
- D. Cloud Tiering Appliance

Correct Answer: B

Section:

QUESTION 35

What is true about the FCIP?



- A. connects local iSCSI SANs to remote FC SANs
- B. connects local FC SANs to remote FC SANs
- C. connects local iSCSI SANs to remote iSCSI SANs
- D. connects local FC or iSCSI SANs to remote FC or iSCSI SANs

Correct Answer: D

Section:

Explanation:

iSCSI already use IP, do require tunneling protocol for transport

QUESTION 36

What is true about Storage Class Memory (SCM)?

- A. SCM is slower than DRAM but read and write speeds are faster than flash.
- B. SCM adds a new tier of SAS performance at memory-like cost.
- C. SCM read and write speeds are slower than hard disk drives.
- D. SCM is faster than cache memory but slower than solid state drives.

Correct Answer: B

Section:

QUESTION 37

A Fibre Channel switch has eight ports and all ports must be operational 24 hours 7 days. However, a failure of Port 5 occurs on a particular week as follows:

Monday = 11 AM to 3 PM -

Thursday = 6 AM to 11 AM -

Saturday = 11 AM to 4 PM -

What is the availability of Port 5 in that week?

- A. 91.6%
- B. 94.6%
- C. 95%
- D. 90%

Correct Answer: A

Section:

QUESTION 38

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:



QUESTION 39

An organization is planning to secure the connection between the data center and cloud while performing data backup and replication. Which security control mechanism will help organization to achieve the desired security?

- A. Identity and Access management
- B. Intrusion Detection and Prevention
- C. Firewall
- D. Virtual Private Network

Correct Answer: D

Section:

Explanation:

A virtual private network (VPN) is a security control mechanism that creates a secure and encrypted connection between two networks over a public network such as the internet¹. A VPN can help an organization to achieve the desired security for data backup and replication between the data center and cloud by:

Protecting data in transit from unauthorized access, interception, or modification².

Ensuring data confidentiality, integrity, and authenticity by using encryption algorithms and authentication protocols².

Providing network access control by verifying the identity of users and devices before granting access to resources².

Enabling remote access to cloud resources from any location without compromising security³

QUESTION 40

Which Connectrix FC switch model supports NVMe in a 32Gb/s SAN fabric exclusively?

- A. DS-6600B
- B. MDS 9148S
- C. DS-6505B
- D. MDS-9132T



Correct Answer: A

Section:

Explanation:

<https://www.delltechnologies.com/asset/en-in/products/storage/technical-support/h16567-connectrix-ds-6600b-switches-ss.pdf>

QUESTION 41

A company's assets are continuously under attack.

To deploy a security control mechanism to protect these assets, what should be considered?

- A. Minimize the work factor
- B. Easy access to assets by authorized users
- C. Limited access to assets by unauthorized users
- D. Maximize the attack surface

Correct Answer: B

Section:

QUESTION 42

What is a goal of cyber recovery?

- A. Evaluate systems, networks, and applications to find vulnerabilities

- B. Determine persistence access of system, networks, and applications
- C. Abstract the physical compute hardware from the operating system and applications
- D. Isolate copies of critical data to ensure that an uncompromised copy always exists

Correct Answer: D

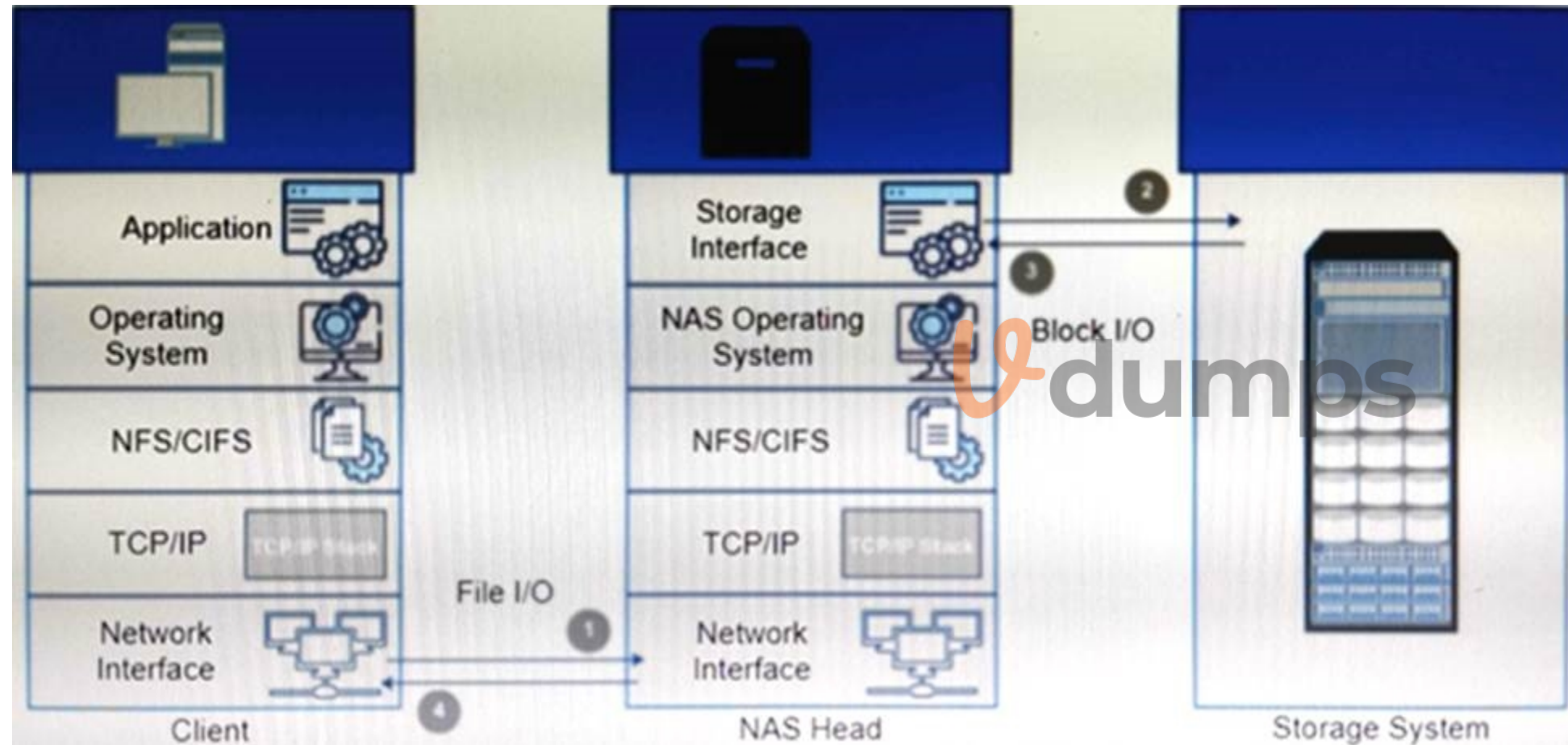
Section:

Explanation:

Cyber recovery is a process of restoring critical data and systems in the event of a cyber attack. This goal of this process is to ensure that a copy of the data is always available, even if the original data has been corrupted or compromised. This can be done by isolating a copy of the data and keeping it separate from the original. This ensures that the data is always available should a cyber attack occur, allowing the business to quickly restore the original data and continue operations.

QUESTION 43

Refer to the exhibit.



What type of NAS system(s) processes file write and read operations as described in the example?

- A. Scale-up and integrated NAS systems
- B. Scale-up NAS system only
- C. Scale -out NAS system
- D. Integrated NAS system only

Correct Answer: A

Section:

QUESTION 44

An organization is planning to adopt pre integrated systems to deploy compute, network, storage, and management functions as a single engineered solution.

Which approach should the organization adopt?

- A. Service based approach
- B. DIY approach
- C. Vendor ready solutions
- D. DCaaS solution

Correct Answer: C

Section:

Explanation:

Pre-integrated systems are vendor-provided solutions that combine compute, network, storage, and management functions as a single engineered solution. This approach is also known as a converged infrastructure or a hyper-converged infrastructure. The vendor provides pre-configured, pre-tested hardware and software components that work together seamlessly. The pre-integrated system reduces the complexity of building and deploying IT infrastructure, while also improving performance, scalability, and reliability. This approach is different from a DIY (do-it-yourself) approach, where an organization builds its infrastructure from individual components, and a DCaaS (Data Center as a Service) approach, where the organization outsources its entire data center to a third-party provider.

Reference: Section 1.7 Converged Infrastructure, page 62.

QUESTION 45

Why is it important to automate the operations management process in a data center environment?

- A. converts CAPEX to OPEX
- B. mitigates operation management risks
- C. eliminates operational cost
- D. ensures operational agility

Correct Answer: B

Section:

Explanation:

Automating the operations management process in a data center environment can help mitigate operational management risks. Automation can reduce the likelihood of human error, which can lead to outages or other disruptions. By automating routine tasks, such as patch management, configuration updates, and resource allocation, IT staff can focus on higher-value activities that drive innovation and improve the user experience.

Additionally, automation can improve operational efficiency, reduce costs, and ensure operational agility, but it does not eliminate operational costs.

Reference: Section 2.6.2 Automation of IT Operations, page 127.

QUESTION 46

An Ethernet switch has eight ports and all ports must be operational for 24 hours from Monday through Friday.

However, a failure of Port 7 occurs as follows:

Monday=4 PM to 11 PM

Wednesday= 2 PM to 10 PM

Friday= 5 AM to 11 AM

What is the MTTR of Port 7?

- A. 36 hours
- B. 5 hours
- C. 7 hours
- D. 33 hours

Correct Answer: C

Section:

Explanation:



To calculate MTTR, we need to convert the hours into minutes. Here are the steps:

Monday: Port 7 was down from 4 PM to 11 PM. That's 7 hours or 420 minutes.

Wednesday: Port 7 was down from 2 PM to 10 PM. That's 8 hours or 480 minutes.

Friday: Port 7 was down from 5 AM to 11 AM. That's 6 hours or 360 minutes.

Total corrective maintenance time = 420 + 480 + 360 = 1260 minutes

Number of repairs = 3

MTTR = Total corrective maintenance time / Number of repairs

MTTR = 1260 / 3 = 420 minutes

Therefore, the MTTR of Port 7 is 420 minutes.

QUESTION 47

A host sends one write I/O to the RAID 1 array.

How many writes does it take for the array to store the data?

- A. Six write I/Os
- B. Four write I/Os
- C. Two write I/Os
- D. One write I/Os

Correct Answer: C

Section:

Explanation:

In a RAID 1 array, data is mirrored across two disks. So when a host sends one write I/O to the array, the array will perform two write I/Os to store the data on both disks. The other options are incorrect because they do not accurately reflect the number of write I/Os required in a RAID 1 array.

QUESTION 48

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. Intrusion-based
- B. Policy-based
- C. Anomaly-Based
- D. Signature-based

Correct Answer: D

Section:

Explanation:

Signature-based IDPS uses a database that contains known attack patterns or signatures. Each signature is associated with a particular type of attack and the IDPS will look for those patterns in order to identify malicious activity. For example, if the signature in the database is associated with a buffer overflow attack, the IDPS will look for that particular pattern of attack in order to detect the attack.

QUESTION 49

Which management monitoring parameter involves examining the amount of infrastructure resources used?

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

Correct Answer: B

Section:

Explanation:

Capacity is a management monitoring parameter that involves examining the amount of infrastructure resources used. This includes monitoring storage capacity, network bandwidth, CPU utilization, memory usage, and other resources. Capacity management is important for ensuring that the infrastructure has sufficient resources to meet the demands of the business or customers. It involves predicting future resource needs, identifying capacity bottlenecks, and optimizing resource utilization to avoid performance degradation or service disruptions.

Reference: Section 2.2.2 Infrastructure Resource Monitoring, page 76.

QUESTION 50

A Fibre Channel switch has eight ports and all ports must be operational from 6 AM to 6 PM, Monday through Friday.

However, a failure of Port 4 occurs with the week as follows:

Monday= 11 AM to 1 PM

Wednesday= 5 PM to 10 PM

Thursday= 7 AM to 10 AM

Saturday= 11 AM to 1 PM

What is the availability of Port 4 in that week?

- A. 80%
- B. 86.7%
- C. 90%
- D. 81.6%

Correct Answer: B

Section:

Explanation:

To calculate availability, you need to calculate the total number of hours that the port is operational and divide it by the total number of hours in the week, which is 168. The total number of hours that Port 4 is operational in that week is 106.7, so the availability is $106.7/168 = 86.7\%$.

QUESTION 51

What functionality does the control layer provide in a software-defined networking architecture?

- A. Forwards data packets based on application layer requirements
- B. Defines network behavior through physical network device policies
- C. Establishes communication between the infrastructure and interface layers
- D. Extracts network information from the data plane and sends it to the application layer

Correct Answer: C

Section:

QUESTION 52

Which VMware product has pre-defined workflows that helps to automate and coordinate the service delivery and operational functions in a storage infrastructure?

- A. NSX
- B. vSphere ESXi
- C. vRealize Orchestrator
- D. Horizon

Correct Answer: C



Section:

QUESTION 53

Which three parameters define information availability in a modern data center environment?

- A. Reliability - Accessibility - Timeliness
- B. Capacity - Availability - Security
- C. Confidentiality - Integrity - Availability
- D. Reliability - Integrity - Performance

Correct Answer: C

Section:

QUESTION 54

What triggers an appropriate workflow upon receiving a service provisioning or management request?

- A. Alerts
- B. Orchestrated operations
- C. Recovery time objective
- D. Infrastructure discovery

Correct Answer: B

Section:

QUESTION 55

What statement describes machine learning?

- A. Applies an algorithm to large amounts of data for pattern discovery
- B. Organizes data efficiently so that compute systems can learn
- C. Developing a program to compute every possible outcome
- D. Replicating a detailed process and then implementing it in software

Correct Answer: A

Section:

Explanation:

Machine learning is a subfield of artificial intelligence that gives computers the ability to learn without explicitly being programmed[1]. It does this by applying an algorithm to large amounts of data in order to discover patterns and insights that can be used to inform decisions and predictions. This allows machines to learn from experience and make decisions in a way that mimics the human brain.

QUESTION 56

Which method automatically allocates a large capacity secondary cache using SSD and SCM?

- A. Cache provisioning
- B. Volatile cache
- C. Cache tiering
- D. Non-volatile cache

Correct Answer: C



Section:

QUESTION 57

How is NVMe used to connect a host to M.2 storage devices?

- A. through an embedded PCIe controller
- B. through a PCIe bus FC HBA card
- C. through a PCIe bus card
- D. through an embedded FC HBA controller

Correct Answer: C

Section:

QUESTION 58

An organization wants to protect data from accidental deletion, application crashes, data corruption, and disaster. Which solution should the organization adopt?

- A. Storage tiering
- B. Thin provisioning
- C. Data archiving
- D. Data backup

Correct Answer: D

Section:

QUESTION 59

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:

QUESTION 60

An IT organization wants to deploy four FC switches for compute and storage system connectivity. To meet performance requirements, a maximum of one active ISL and redundant ISLs for their compute to storage traffic. Which FC SAN topology should be recommended?

- A. Single switch
- B. Partial mesh
- C. Multi-switch
- D. Full mesh

Correct Answer: C

Section:



Explanation:

multi-switch topology is the best recommendation for your requirements. With this topology, you can have multiple ISLs connecting the switches, allowing for redundancy and improved performance. You can also configure trunking and load balancing policies on the ISLs to ensure sufficient bandwidth and guarantee the order of delivery.

QUESTION 61

What is a purpose of the policy engine in a data archiving environment?

- A. Facilitates manual searching for archived data in archive storage
- B. Moves the appropriate data into archive storage automatically
- C. Automates the process of identifying the data to move from archive to primary storage
- D. Enables manual migration of older archived data between archive storage devices

Correct Answer: B

Section:

Explanation:

The purpose of the policy engine in a data archiving environment is to automate the process of moving the appropriate data from primary storage into archive storage. It does this by monitoring data access patterns in primary storage and automatically moving the data that is least accessed into an archive storage device. This process allows for more efficient use of primary storage and also reduces storage costs.

QUESTION 62

Which is a characteristic of RAID 6?

- A. Double parity
- B. Single parity
- C. All parity stored on a single disk
- D. Parity not used

Correct Answer: A

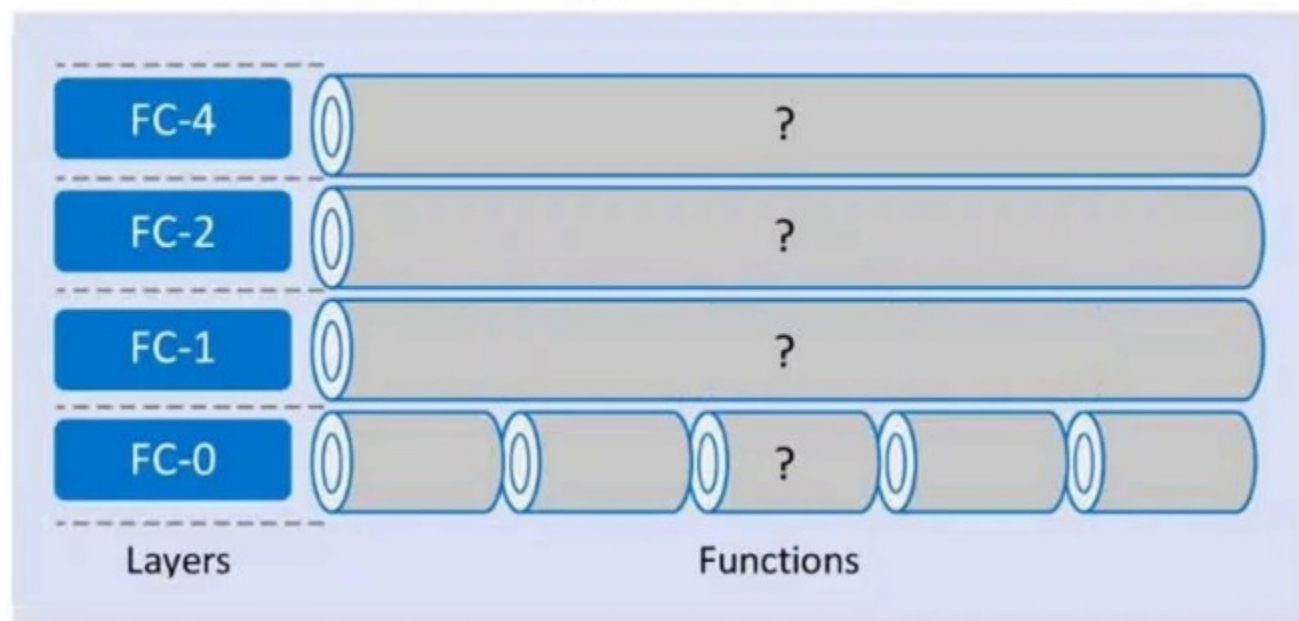
Section:

QUESTION 63

Refer to the Exhibit:



FC Protocol Stack



Which functions align with each layer of the FC Protocol Stack using the following order: FC-4, FC-2, FC-1, and FC-0?

- A. Physical Encode and decode Routing and flow control Mapping interface
- B. Physical Encode and decode Common services Mapping interface
- C. Mapping interface Routing and flow control Encode and decode Physical
- D. Mapping interface Common services Encode and decode Physical

Correct Answer: D

Section:

QUESTION 64

What set of factors are used to calculate the disk service time of a hard disk drive?

- A. Seek time Rotational latency Data transfer rate
- B. Seek time Rotational latency I/O operations per second
- C. Seek time Rotational latency RAID level
- D. Seek time Rotational latency Bandwidth

Correct Answer: A

Section:

QUESTION 65

What is an accurate statement about data shredding?

- A. A process to encrypt data
- B. A process to decrypt data
- C. A process to delete data
- D. A process to reorganize data

Correct Answer: C

Section:

QUESTION 66

What is an accurate statement about scale-out NAS?

- A. Creates a different file system for each node in the cluster
- B. Pools node resources in a cluster to work as multiple NAS devices
- C. Increases performance and capacity by adding nodes to the cluster
- D. Supports only data replication for protecting data across the nodes

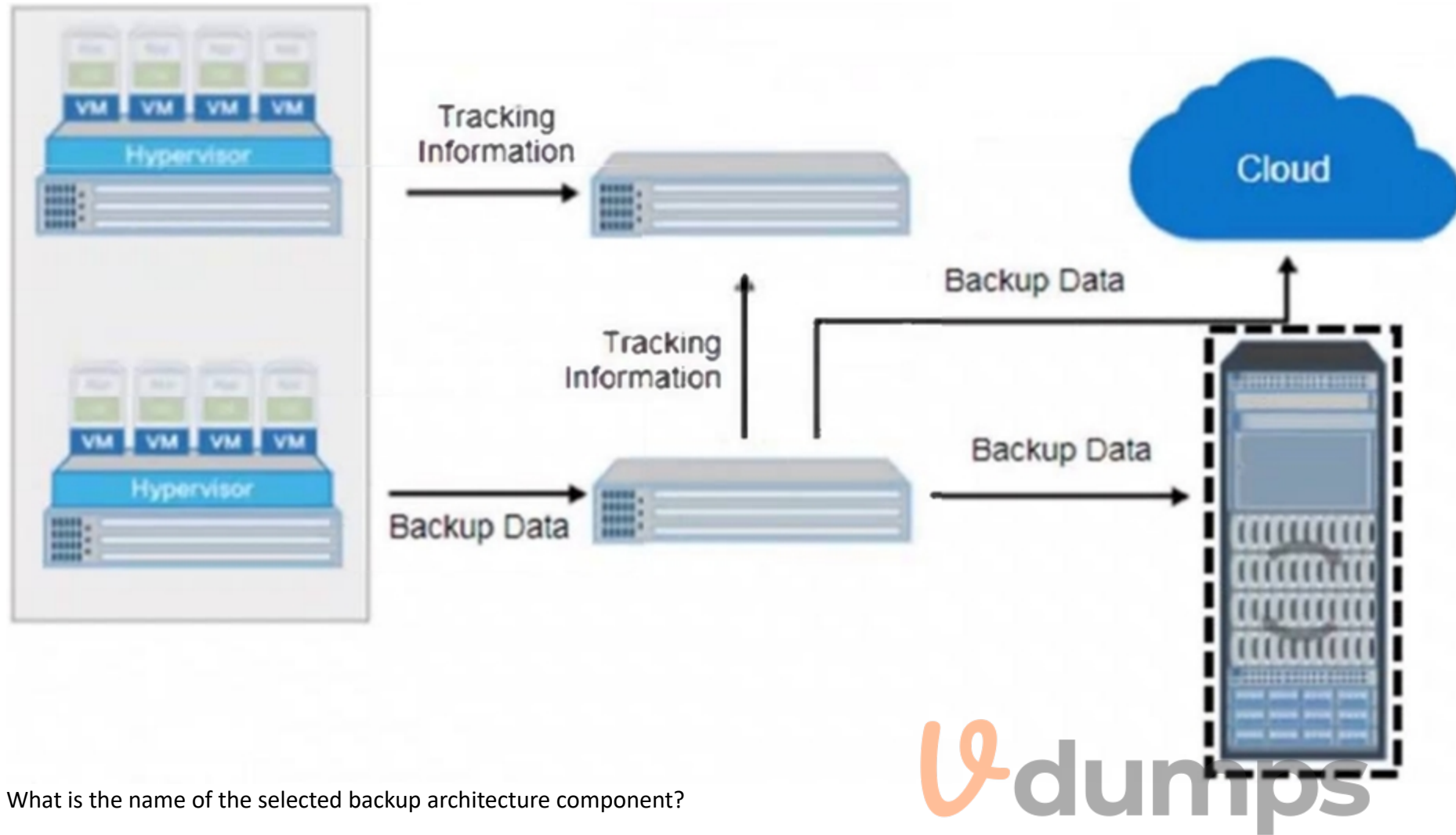
Correct Answer: C

Section:

QUESTION 67

Refer to the Exhibit:





What is the name of the selected backup architecture component?

- A. Backup Device
- B. Storage Node
- C. Backup Client
- D. Backup Server

Correct Answer: D

Section:

QUESTION 68

In a data archiving environment, which component scans primary storage to find the files that are required to archive?

- A. Archive stub file
- B. Archive agent
- C. Archive storage
- D. Archive database server

Correct Answer: B

Section:

QUESTION 69

What is the function of a control plane in the SDDC?

- A. Performs financial operations used to calculate CAPEX
- B. Performs processing and Input output operations
- C. Performs administrative operations and for communicating messages
- D. Performs resource provisioning and provides the programming logic and policies

Correct Answer: D

Section:

QUESTION 70

What is an impact of a Denial of Service (DoS) attack?

- A. Compromises user accounts and data to malicious insiders
- B. Hijacks privileges to compromise data security
- C. Prevents legitimate users from accessing IT resources or service
- D. Duplicates user credentials to compromise data security

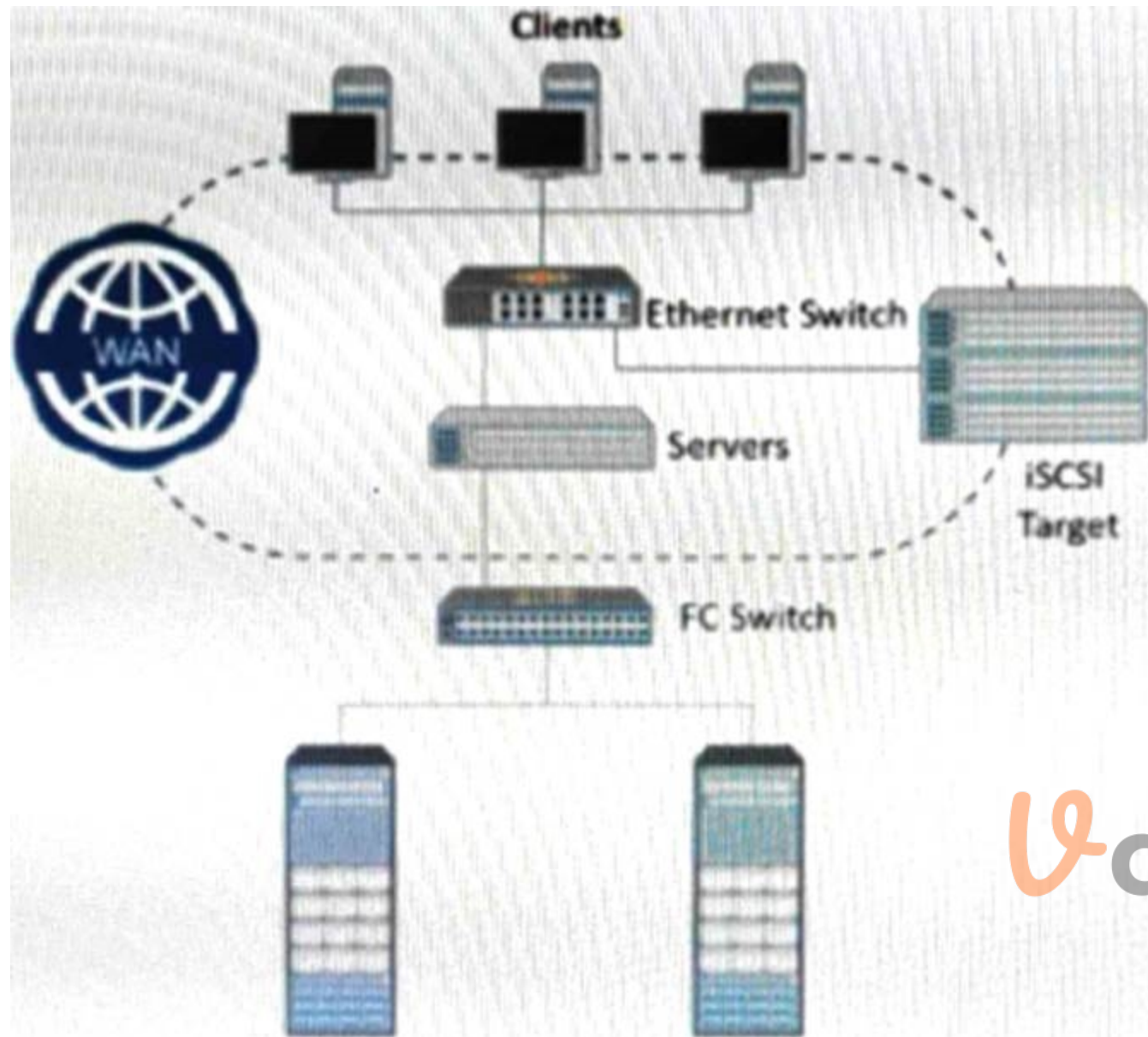
Correct Answer: C

Section:

QUESTION 71

What type of network connectivity is illustrated in the image below?





 **vdumps**

- A. Compute to storage connectivity
- B. Data center to data center connectivity
- C. Storage to hybrid cloud connectivity
- D. Compute to hybrid cloud connectivity

Correct Answer: D

Section:

QUESTION 72

What is true about a software defined data center?

- A. IT resource components are virtualized except commodity hardware used to create resource pools
- B. Management operations are dependent of underlying hardware configuration
- C. Services listed in the service portal are updated automatically using orchestration tool
- D. Management functions are moved to an external software controller

Correct Answer: C

Section:

