



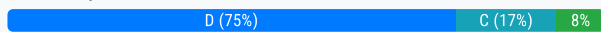
- Expert Verified, Online, **Free**.

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

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

Suggested Answer: C

Community vote distribution



🗨️ **Badr0093** 6 months, 1 week ago

Answer is B

upvoted 1 times

🗨️ **Aynanalkady** 1 year, 2 months ago

Selected Answer: D

It also extracts the information about the network from the data plane and communicates it to the application layer.

upvoted 1 times

🗨️ **d_g_tal** 1 year, 2 months ago

Selected Answer: B

the control layer is responsible for managing the communication between the infrastructure layer (where the physical network devices reside) and the interface layer (which interacts with applications and users).

upvoted 1 times

🗨️ **MohamedFouadZ** 1 year, 5 months ago

Selected Answer: D

Consists of controllers and acts as a brain of the SDN architecture. It is responsible for making decisions such as how the packets should be forwarded based on the requirements, and relays the decisions to the networking devices (data plane) for execution

upvoted 1 times

🗨️ **SherryVJ** 1 year, 8 months ago

B. Establishes communication between the infrastructure and interface layers

In a software-defined networking (SDN) architecture, the control layer is responsible for establishing communication between the infrastructure layer (data plane) and the interface layer (application layer). The control layer serves as the central intelligence and management point of the SDN, controlling the behavior and operation of the network.

upvoted 1 times

🗨️ **Axterix2612** 2 years ago

Selected Answer: D

2: Consists of controllers and acts as a brain of the SDN architecture. It is responsible for making decisions such as how the packets should be forwarded based on the requirements, and relays the decisions to the networking devices (data plane) for execution. It also extracts the information about the network from the data plane and communicates it to the application layer. This layer forms the control plane.

upvoted 1 times

🗨️ **Andreasz** 2 years, 1 month ago

Selected Answer: D

D - making decisions. Data plane forwards packets

upvoted 1 times

🗨️ **WazBlack** 2 years, 1 month ago

Selected Answer: D

Control layer acts as a brain of the SDN architecture. It is responsible for making decisions such as how the packets should be forwarded based on the requirements, and relays the decisions to the networking devices (data plane) for execution. It also extracts the information about the

network from the data plane and communicates it to the application layer.

upvoted 1 times

🗨️ 👤 **johnsonldddd** 2 years, 2 months ago

Selected Answer: D

D.

The middle layer of the SDN has two main tasks. One of them is to transfer and communicate with the application layer using the APIs and the next task is to receive the instructions from the networking devices present in the last layer.

The controller receives the information from the hardware and sends it to the application layer after extracting the information. Here, when the information is received from the hardware, an abstract view is formed before it gets transferred to the application layer. This is the main task of the layer.

upvoted 2 times

🗨️ 👤 **CA14** 2 years, 2 months ago

Selected Answer: C

Control layer: It is responsible for making decisions such as how the packets should be forwarded based on the requirements

Application layer: It communicates the requirements through the APIs to the control layer.

upvoted 2 times

🗨️ 👤 **Sk_44** 2 years, 2 months ago

Selected Answer: D

answer is D

upvoted 1 times

🗨️ 👤 **Hhamdy** 2 years, 2 months ago

answer is D

upvoted 1 times

🗨️ 👤 **vilokkumar** 2 years, 3 months ago

The control layer represents the centralized SDN controller software that acts as the brain of the software-defined network. This controller resides on a server and manages policies and traffic flows throughout the network.

upvoted 1 times

🗨️ 👤 **Norbert_Pueschel** 2 years, 3 months ago

Selected Answer: D

Clearly this the only answer that makes sense. Data is moved by the infrastructure layer.

upvoted 1 times

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

Suggested Answer: D

Community vote distribution

B (100%)

🗳️ 👤 **Aynanalkady** 8 months, 1 week ago

Selected Answer: B

Module 10-Data Protection

Enables consumers to procure backup services on-demand.

upvoted 1 times

🗳️ 👤 **MohamedFouadZ** 11 months, 2 weeks ago

Selected Answer: B

Answer B

upvoted 1 times

🗳️ 👤 **Vijay81** 1 year ago

Answer B

upvoted 1 times

🗳️ 👤 **SherryVJ** 1 year, 1 month ago

B. Cloud-Based backup

Cloud-based backup solutions provide the ability to select a backup technology based on demand. Cloud backup solutions offer flexibility and scalability, allowing organizations to choose the appropriate backup technology and resources based on their specific requirements and changing needs.

upvoted 1 times

🗳️ 👤 **Axterix2612** 1 year, 6 months ago

Selected Answer: B

Enables consumers to procure backup services on-demand.

upvoted 1 times

🗳️ 👤 **Rv2190** 1 year, 6 months ago

Selected Answer: B

Cloud-based backup gives the consumers the flexibility to select a backup technology based on their current requirements.

upvoted 1 times

🗳️ 👤 **Edgardomd** 1 year, 8 months ago

Selected Answer: B

Cloud-Based Backup (Backup as a Service)

- Enables consumers to procure backup services on-demand

upvoted 1 times

🗳️ 👤 **johnsonldddd** 1 year, 8 months ago

Selected Answer: B

Cloud-Based backup

upvoted 1 times

🗳️ 👤 **Zvezdichko** 1 year, 10 months ago

Selected Answer: B

Cloud-Based Backup (Backup as a Service)

upvoted 2 times

  **Zvezdichko** 1 year, 10 months ago

Cloud-Based Backup (Backup as a Service):

- Enables consumers to procure backup services on-demand.

upvoted 1 times

  **pepi_5121** 1 year, 10 months ago

should be Cloud-based backup:

Enables consumers to procure backup services on demand through a self-service portal

upvoted 1 times

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

Suggested Answer: C

Community vote distribution

C (100%)

🗨️ **Aynanalkady** 8 months, 1 week ago

Selected Answer: C

Higher resiliency
upvoted 1 times

🗨️ **Vijay81** 1 year ago

Answer C
upvoted 1 times

🗨️ **SherryVJ** 1 year, 1 month ago

C. Higher resiliency

The key advantage of RAID 6 compared to RAID 5 is higher resiliency.

upvoted 1 times

🗨️ **Axterix2612** 1 year, 4 months ago

Selected Answer: C

C is correct
upvoted 1 times

🗨️ **Edgardomd** 1 year, 8 months ago

Selected Answer: C

Dual Parity
(Supports two disk failures)
upvoted 1 times

🗨️ **Andreasz** 1 year, 9 months ago

Selected Answer: C

Agreed
upvoted 1 times

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

Suggested Answer: D

Community vote distribution

D (100%)

🗨️ **Vijay81** 6 months, 3 weeks ago

D. 4 hours
upvoted 1 times

🗨️ **SherryVJ** 8 months ago

MTTR = Total downtime for Port 4 / Number of failures of Port 4
MTTR = 12 hours / 3 = 4 hours

Therefore, the MTTR of Port 4 is 4 hours (Option D).
upvoted 1 times

🗨️ **Oran** 8 months, 2 weeks ago

Selected Answer: D

MTTR = Total downtime / Number of failures
upvoted 1 times

🗨️ **Axterix2612** 10 months, 1 week ago

Selected Answer: D

D is correct
upvoted 1 times

🗨️ **Rv2190** 1 year ago

Selected Answer: D

MTTR=12 hours outage/ 3 fails = 4 hours
upvoted 1 times

🗨️ **Andreasz** 1 year, 1 month ago

Selected Answer: D

agreed
upvoted 1 times

🗨️ **Edgardomd** 1 year, 2 months ago

Selected Answer: D

MTTR = Total downtime / Number of failures
MTTR = 12 hrs / 3 N° failures = 4 Hrs
upvoted 1 times

🗨️ **vilokkumar** 1 year, 3 months ago

MTTR=12 hours outage/ 3 days outage = 4 hours
upvoted 2 times

DRAG DROP -

Match each OSD features with its description.

Answer area

OSD Features

Flexible data access method	Metadata driven policy
Data protection	Global namespace

Description

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 or erasure coding	

Suggested Answer:

Answer area

OSD Features	Description	
Flexible data access method	Drives data placement and protection based on the service requirements	Metadata driven policy
Data protection	Abstracts storage from the application and provides a common view independent of location	Global namespace
Global namespace	Supports REST/SOAP APIs and the file sharing protocols, CIFS and NFS, for file services	Flexible data access method
	Global distribution of objects using either replication or erasure coding	Data protection

CaioGVNunes 5 months, 3 weeks ago

- 1.- Metadata-driven policy
 - 2.- Global namespace
 - 3.- Flexible data access method
 - 4.- Data Protection
- upvoted 1 times

Edgardomd 1 year, 2 months ago

- 1.- Metadata-driven policy
 - 2.- Global namespace
 - 3.- Flexible data access method
 - 4.- Data Protection
- upvoted 1 times

intcomex123 1 year, 3 months ago

1. Metadata driven policy
 2. Global namespace
 3. Felxible data access method
 4. Data protection
- upvoted 1 times

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

Suggested Answer: C

Community vote distribution

B (100%)

🗳️ 👤 **MohamedFouadZ** 5 months, 1 week ago

Selected Answer: B

Source-based
upvoted 1 times

🗳️ 👤 **MohamedFouadZ** 5 months, 1 week ago

Selected Answer: B

B is the answer
upvoted 1 times

🗳️ 👤 **SherryVJ** 8 months ago

Selected Answer: B

B. Vendor ready solutions

Vendor ready solutions, also known as pre-integrated or converged infrastructure solutions, are designed to provide a tightly integrated and pre-configured package of hardware and software components from a single vendor. These solutions are engineered to work seamlessly together, simplifying the deployment and management of data center resources.

upvoted 1 times

🗳️ 👤 **Axterix2612** 11 months, 1 week ago

Selected Answer: B

Therefore, organizations are adopting pre-integrated systems to bring together compute, network, storage, virtualization, and management technologies, and deliver them as one engineered system.

upvoted 1 times

🗳️ 👤 **newserv** 1 year ago

Selected Answer: B

, organizations are adopting pre-integrated systems to bring together compute, network, storage, virtualization, and management technologies and deliver them as one engineered system....the vendor-ready solutions integrate high-quality hardware and software components that make up a data center into a single packaged solution.

upvoted 1 times

🗳️ 👤 **Rv2190** 1 year ago

Selected Answer: B

Today, IT is looking for ways to reduce deployment time, management complexity and automate the resource provisioning processes. Therefore, organizations are adopting pre-integrated systems to bring together compute, network, storage, virtualization, and management technologies, and delivered them as one engineered system.

Text of "Vendor Ready Solutions"

upvoted 1 times



🗳️ 👤 **Edgardomd** 1 year, 2 months ago

Selected Answer: B

Vendor Ready Solutions:

organizations are adopting pre-integrated systems to bring together compute, network, storage, virtualization, and management technologies, and deliver them as one engineered system.

upvoted 2 times

  **Molnar** 1 year, 2 months ago



B is the answer: "...organizations are adopting pre-integrated systems to bring together compute, network, storage, virtualization, and management technologies, and deliver them as one engineered system..."

upvoted 1 times

  **jubalean** 1 year, 3 months ago

B is the answer inside the Dell material

upvoted 1 times

  **vilokkumar** 1 year, 3 months ago

Data Center as a Service (DCaaS)

DCaaS allows clients remote access to the provider's storage, server and networking resources through a Wide-Area Network (WAN). By outsourcing to a service provider, companies can resolve logistical and budgetary problems related to their on-site data centers.

upvoted 1 times

  **axxe2109** 1 year, 3 months ago

Answer is B: Organizations are adopting pre-integred systems to bring together compute, network, storage, virtualization and management technologies an delivered them as one engineered system.

upvoted 1 times

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

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

Suggested Answer: A

Community vote distribution

A (100%)

 **SherryVJ** 8 months ago

Selected Answer: A

A. S3

The network file sharing protocol that provides cloud-based file sharing through a REST API interface is S3 (Simple Storage Service). S3 is a popular object storage service offered by Amazon Web Services (AWS) that allows users to store and retrieve data over the internet.

upvoted 1 times

 **kenzukazaru** 1 year, 2 months ago

Selected Answer: A

S3 is what is considered an HTTP REST API. It's an API that uses HTTP requests to get, put, post and delete data. The REST API is considered a "stateless" protocol, where the server does not store any state about the client sessions on its side.

<http://www.45drives.com/blog/uncategorized/amazon-s3-what-is-it-what-does-it-do/#:~:text=S3%20is%20what%20is%20considered,client%20sessions%20on%20its%20side.>

upvoted 1 times

 **vilokkumar** 1 year, 3 months ago

Amazon S3 Amazon.com HTTP (REST/SOAP)

Google Cloud Storage Google HTTP (REST)

SWIFT (part of OpenStack) Rackspace, Hewlett-Packard, others HTTP (REST)

Microsoft Azure Microsoft HTTP (REST)

IBM Cloud Object Storage IBM (formerly Cleversafe)[47] HTTP (REST)

upvoted 1 times


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

Suggested Answer: B

Community vote distribution

A (100%)

 **Aynanalkady** 1 year, 2 months ago

Selected Answer: A

Module 10-Data Protection

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

upvoted 1 times

 **Badr0093** 6 months, 1 week ago

its not for backup bit for deduplication

upvoted 1 times

 **MohamedFouadZ** 1 year, 5 months ago

Selected Answer: A

Source-based

upvoted 1 times

 **SherryVJ** 1 year, 8 months ago

Selected Answer: A

A. Source-based

When a cloud service provider is storing backup data at their location, they would most likely use source-based data deduplication.

upvoted 1 times

 **Axterix2612** 1 year, 11 months ago

Selected Answer: A

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

upvoted 1 times

 **newserv** 2 years ago

Selected Answer: A

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

upvoted 1 times

 **johnsonldddd** 2 years, 2 months ago

Selected Answer: A

A. Source-based

upvoted 1 times

 **vilokkumar** 2 years, 3 months ago

Selected Answer: A



use source-based method when performing a backup in cloud

upvoted 1 times

 **Hazim01** 2 years, 4 months ago

Source Based Method is the right answer

upvoted 2 times

  **Zvezdichko** 2 years, 4 months ago

Selected Answer: A

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

upvoted 4 times

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

Suggested Answer: D

Community vote distribution

D (67%)

C (33%)

🗨️ 👤 **WazBlack** 8 months, 1 week ago

Selected Answer: D

As per the ISM5 guide, Operation management ensures that the services and services levels are delivered as committed. Also, note that operations management only triggers alerts when service perf deviates from the SLA
upvoted 2 times

🗨️ 👤 **Edgardomd** 8 months, 1 week ago

Selected Answer: D

Modern storage infrastructure management has a service-based focus. It is linked to the service requirements and service level agreement (SLA)
-Key Storage Management Functions
.- Operations Management
Ensures that the services and service levels are delivered as committed.
Operations management involves several management processes.
upvoted 2 times

🗨️ 👤 **Bianconeri** 8 months, 3 weeks ago

Ensures that the services and service levels are delivered as committed. Operations management involves several management processes.
upvoted 4 times

🗨️ 👤 **vilokkumar** 9 months, 1 week ago

Selected Answer: C

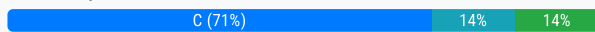
Mobile Device Management (MDM) enables IT admins to securely monitor and manage the mobile devices that access sensitive business data. It includes storing essential information about mobile devices, deciding which apps can be present on the devices, locating devices, and securing devices if lost or stolen
upvoted 2 times

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

Suggested Answer: C

Community vote distribution



d_g_tal 9 months, 1 week ago

Selected Answer: C

In Mobile Device Management (MDM), the application server is responsible for performing administration and management functions for all managed devices

upvoted 1 times

Axterix2612 1 year, 5 months ago

Selected Answer: C

Responsible for performing device enrollment, administration, and management of mobile devices.

upvoted 1 times

WazBlack 1 year, 7 months ago

Selected Answer: C

In a Mobile Device Management (MDM) system, the application server is responsible for managing and administering all devices that have been enrolled and registered as managed devices. The server communicates with these devices over-the-air (OTA) and manages various aspects of device security, software updates, device configuration, and other administrative tasks.

upvoted 1 times

Edgardomd 1 year, 8 months ago

Selected Answer: D

Mobile Device Management

- Several organizations allow their employees to access internal application and resources via mobile devices.

- Introduces a threat that may expose resources to an attacker.

- Mobile device management (MDM) is a control that restricts access to an organization's resources only to authorized mobile devices.

- MDM solution consists of two components: the server component¹⁸ and the client component¹⁹

- MDM solution enables organizations to enforce their security policies on the user's mobile devices.

upvoted 1 times

getandforgetit 1 year, 9 months ago

Selected Answer: C

"2.Performs administration and management of all managed devices." The focus is on the application server not the whole mdm platform.

upvoted 2 times

getandforgetit 1 year, 9 months ago

"2.Performs administration and management of all managed devices." The focus is on the application server not the whole mdm platform.

upvoted 2 times

getandforgetit 1 year, 9 months ago

Answer is C

upvoted 2 times

 **Zvezdichko** 1 year, 10 months ago

Selected Answer: B

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

upvoted 1 times

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

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

Suggested Answer: B

Community vote distribution

B (100%)

🗉 **Axterix2612** 5 months ago

Selected Answer: B

Presents a streaming interface to run any application of choice using the MapReduce framework.
upvoted 1 times

🗉 **Rv2190** 6 months, 3 weeks ago

Selected Answer: B

Presents a streaming interface to run any application of choice using the MapReduce framework.
upvoted 1 times

🗉 **getandforgetit** 9 months, 1 week ago

Selected Answer: B

HDFS is correct
upvoted 1 times

🗉 **vilokkumar** 9 months, 1 week ago

Selected Answer: B

HDFS provides high throughput data access to application data and is suitable for applications that have large data sets and enables streaming access to file system data in Apache Hadoop.
upvoted 1 times

🗉 **Zvezdichko** 10 months, 1 week ago

Selected Answer: B

HDFS - Presents a streaming interface to run any application of choice using the MapReduce framework.
upvoted 1 times

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

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

Suggested Answer: C

Community vote distribution

A (100%)

🗨️ **Axterix2612** 5 months ago

Selected Answer: A

NVMe-based flash drives used in intelligent storage systems take advantage of the parallelism of modern CPUs and SSDs
upvoted 2 times

🗨️ **Edgardomd** 8 months, 1 week ago

Selected Answer: A

Storage Class Memory

A data center is only as fast as its slowest link. For the past 50 years, Moore's law has continued to deliver faster and faster processors; however, the storage side has struggled to keep up. Historically, innovation in storage came gradually: first there were magnetic tapes, and then came spinning hard disk drives (HDDs) with their mechanically limited speeds. The last big leap was the adoption of NAND Flash SSDs, which cut the latency from milliseconds to microseconds. Another development was the adoption of NVMe as the default SSD interface instead of SAS.

upvoted 1 times

🗨️ **Troutmaster** 8 months, 3 weeks ago

Something like an M.2 card is considered an SCM devices that uses the NVMe protocol and interfaces with the controllers via the PCIe interface
upvoted 1 times

🗨️ **Troutmaster** 8 months, 3 weeks ago

I have a problem with this question and the answers available.

1. NVMe is a protocol, not an interface.
2. NVMe utilizes PCIe interface

In the official curriculum though I did find:

Another development was the adoption of NVMe as the default SSD interface instead of SAS.

-and-

The shift from SATA to faster interfaces such as SAS and PCI-Express using the NVMe protocol has made SSDs much faster.....

So while NVMe certainly is the only that really fits this and is considered an SCM device, NVMe is once again a protocol and uses the PCI-Express interface

upvoted 2 times

🗨️ **Zvezdichko** 10 months ago

Selected Answer: A

An intelligent storage system is designed for performance, scalability, and availability. They included features that make them well suited for modern data center applications. - So NVMe for better performance

upvoted 3 times

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

Suggested Answer: D

Community vote distribution

D (100%)

🗳️ 👤 **johnsonldddd** 8 months, 2 weeks ago

Selected Answer: D

D. Supervised Learning
upvoted 1 times

🗳️ 👤 **Zvezdichko** 10 months, 1 week ago

Selected Answer: D

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
upvoted 1 times

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

Suggested Answer: C

Community vote distribution

C (100%)

🗳️ 👤 **nodcomp23** 6 months, 1 week ago

Selected Answer: B

Cloud Computing, Infrastructure as a Service, Consumer Manages Applications

Data

Runtime

Middleware

O/S

upvoted 1 times

🗳️ 👤 **Oran** 8 months, 2 weeks ago

Selected Answer: C

Platform as a Service

upvoted 1 times

🗳️ 👤 **johnsonldddd** 1 year, 2 months ago

Selected Answer: C

Platform As AS

upvoted 1 times

🗳️ 👤 **Zvezdichko** 1 year, 4 months ago

Selected Answer: C

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

upvoted 1 times

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

Suggested Answer: B

Community vote distribution

B (100%)

🗨️ 👤 **CaioGVNunes** 5 months, 3 weeks ago

Uma vez que o Fibre Channel é um protocolo sem perdas, a rede Ethernet convergente também deve estar em conformidade com o Padrões de DCB (Data Center Bridging, ponte de data center)

upvoted 2 times

🗨️ 👤 **Troutmaster** 1 year, 2 months ago

This is another question and answer set I have a problem with. In the curriculum nowhere is DCB ever mentioned. However, Converged Enhanced Ethernet is mentioned directly as providing lossless transmission. DCB is actually part of the CEE.

<https://www.techopedia.com/definition/1295/converged-enhanced-ethernet-cee>

I would change the answer of Data Center Bridging to be Converged Enhanced Ethernet as an option.

upvoted 2 times

🗨️ 👤 **Zvezdichko** 1 year, 3 months ago

Selected Answer: B

FCoE and lossless (DCB) Ethernet are the key technologies enabling storage and network I/O convergence onto a shared I/O transport.

upvoted 1 times

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

Suggested Answer: A

Community vote distribution


A (100%)



 **Axterix2612** 5 months ago

Selected Answer: A

A is correct
upvoted 1 times

 **johnsonldddd** 8 months, 2 weeks ago

Selected Answer: A

A. Transport
upvoted 1 times

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)

Suggested Answer: C

Community vote distribution

C (100%)


 **Axterix2612** 5 months ago

Selected Answer: C

NAS uses file-sharing protocols such as CIFS/SMB and NFS to provide access to the file data.


CIFS for windows

upvoted 2 times

 **johnsonldddd** 8 months, 3 weeks ago

C. Common Internet File System (CIFS)

upvoted 1 times


 **vilokkumar** 9 months, 1 week ago

Selected Answer: C

CIFS:-(Common Interface File System)

CIFS is a client/server application protocol that enables client programs to make requests for file & services on remote computers over TCP/IP.

upvoted 3 times


 **axxe2109** 9 months, 3 weeks ago

Correct answer is CIFS,

Common Internet File System (CIFS) is a client/server application protocol that enables client programs to make requests for files and services on remote computers over TCP/IP


NFS is for Unix Systems and uses UDP

upvoted 1 times

 **MNASaimon** 9 months, 3 weeks ago

the correct answer is d nfs

upvoted 1 times

 **Rv2190** 6 months, 4 weeks ago

CIFS is for windows

upvoted 1 times

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

Suggested Answer: D

Community vote distribution

D (100%)

🗨️ 👤 **Axterix2612** 4 months ago

Selected Answer: D

D is Correct

upvoted 1 times

🗨️ 👤 **johnsonlddd** 8 months, 2 weeks ago

Selected Answer: D

D. Encryption

upvoted 1 times

🗨️ 👤 **vilokkumar** 9 months, 1 week ago

Selected Answer: D

Which security control mechanism helps to secure the data during replication?

upvoted 1 times

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

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

Suggested Answer: A

Community vote distribution

A (100%)

🗨️ **Axterix2612** 5 months ago

Selected Answer: A

Before moving data from primary storage to secondary storage or from primary storage to cloud, the policy engine scans the primary storage to identify data that meets the predefined policies.

upvoted 1 times

🗨️ **WazBlack** 8 months, 1 week ago

Selected Answer: A

Archive server (policy engine): indexes the files. Once the files have been indexed, they are moved to archive storage.

upvoted 1 times

🗨️ **johnsonldddd** 8 months, 2 weeks ago

Selected Answer: A

A. Moves the appropriate data into archive storage automatically

upvoted 1 times

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

Suggested Answer: C

Community vote distribution

C (100%)

🗨️ **Axterix2612** 5 months ago

Selected Answer: C

The mass storage is an array of nonvolatile memory chips. It retains the contents when powered off. These chips are commonly called Flash memory. The number and capacity of the individual chips vary directly in relationship to the SSD's capacity. The larger the capacity of the SSD, the larger is the capacity and the greater the number of the flash memory chips.

upvoted 1 times

🗨️ **Edgardomd** 8 months, 1 week ago

Selected Answer: C

Solid state drives (SSDs) are data storage devices that use non-volatile flash storage to store data persistently

upvoted 1 times

🗨️ **johnsonldddd** 8 months, 2 weeks ago

Selected Answer: C

Solid-state storage typically uses a variant of non-volatile memory known as NAND flash. SSDs have no moving parts, and they are capable of higher performance than mechanically addressed HDDs and tape, which use a head to read and write data to magnetic storage media.

upvoted 1 times

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

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

Suggested Answer: C

Community vote distribution

C (100%)



🗨️ 👤 **Axterix2612** 5 months ago

Selected Answer: C

C: is correct

upvoted 1 times

🗨️ 👤 **johnsonldddd** 8 months, 2 weeks ago

Selected Answer: C

Network Layer

upvoted 1 times

🗨️ 👤 **Zvezdichko** 10 months, 1 week ago

Selected Answer: C

Layer 3 - Network - logical addressing and routing

upvoted 2 times

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

Suggested Answer: A

Community vote distribution

A (100%)

🗨️ **Axterix2612** 5 months ago

Selected Answer: A

Thick LUNs require all the physical storage that is allocated to them at the time they are created and presented to a compute system.
upvoted 2 times

🗨️ **Edgardomd** 8 months, 1 week ago

Selected Answer: A

Thick LUNs require all the physical storage that is allocated to them at the time they are created and presented to a compute system
upvoted 1 times

🗨️ **johnsonldddd** 8 months, 2 weeks ago

A Thick
upvoted 1 times

🗨️ **intcomex123** 9 months, 1 week ago

Rpta. A
upvoted 1 times

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

Suggested Answer: B

Community vote distribution

B (67%)

D (33%)

🗨️ 👤 **VilCoyote** 8 months, 4 weeks ago

Selected Answer: D

Key Characteristics of Modern Storage Infrastructure Management

Modern storage infrastructure management has a service-based focus. It is linked to the service requirements and service level agreement (SLA) upvoted 1 times

🗨️ 👤 **WazBlack** 1 year, 7 months ago

Selected Answer: B

Migrating to a modern data center can provide several benefits, one of which is reducing management complexity by deploying only unified and converged IT resources. A modern data center typically uses converged infrastructure, which integrates compute, storage, and networking components into a single, unified solution. This can simplify the management of data center resources and reduce the complexity of deployment and maintenance.

By using a converged infrastructure, organizations can streamline their IT operations and reduce the number of components and vendors they need to manage. This can lead to improved efficiency, reduced costs, and greater agility, allowing organizations to respond more quickly to changing business needs and meet their service level agreements (SLAs).

In summary, migrating to a modern data center can help organizations to simplify their IT operations and reduce management complexity by deploying only unified and converged IT resources

upvoted 2 times

🗨️ 👤 **CA14** 1 year, 8 months ago

why the correct answer is not D?

upvoted 1 times

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

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

Suggested Answer: D

Community vote distribution

D (100%)

🗨️ 👤 **Axterix2612** 5 months ago

Selected Answer: D

Brownfield Method: 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.

upvoted 1 times

🗨️ 👤 **johnsonldddd** 8 months, 3 weeks ago

D. Brownfield

A brownfield (also known as "brown-field") investment is when a company or government entity purchases or leases existing production facilities to launch a new production activity.

upvoted 2 times

🗨️ 👤 **Zvezdichko** 10 months, 1 week ago

Selected Answer: D

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.

upvoted 2 times

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

Suggested Answer: C

Community vote distribution

C (100%)

🗨️ **Axterix2612** 5 months ago

Selected Answer: C

Virtual machine hardening includes:

- Change the default configuration of the VM.

upvoted 1 times

🗨️ **vilokkumar** 9 months, 1 week ago

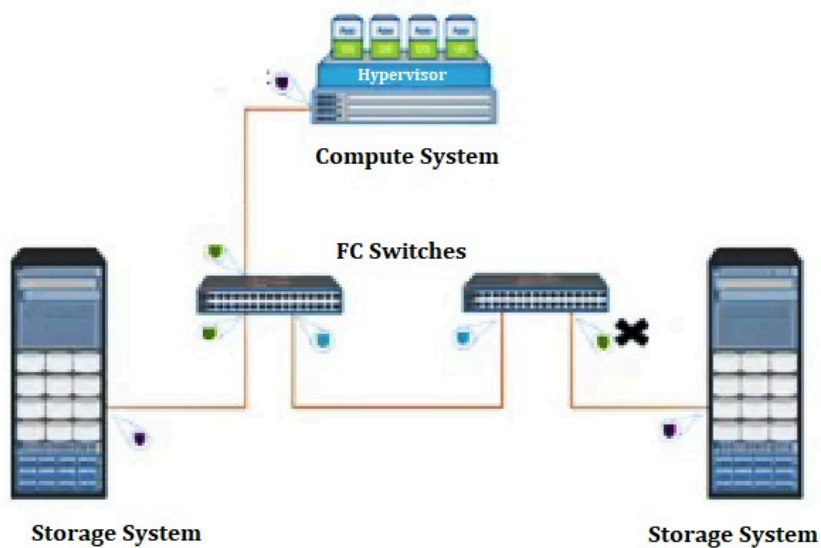
Selected Answer: C

A virtual server is created from a template configuration called a virtual server image or virtual image machine. Hardening is the process of stripping unnecessary software from a system to limit potential vulnerabilities that can be exploited by attackers.

upvoted 2 times

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

Suggested Answer: B

Community vote distribution

B (100%)

Axterix2612 5 months ago

Selected Answer: B

B is correct
upvoted 1 times

Edgardomd 8 months, 1 week ago

Selected Answer: B

F_Port, A port on a switch that connects an N_Port. It is also known as a fabric port.
upvoted 2 times

johnsonldddd 8 months, 2 weeks ago

B F Port
upvoted 1 times

What is the lowest to highest order of I/O performance among these storage devices?

- A. SCM -->SSD-->DRAM-->SATA
- B. SSD-->SCM-->SATA-->DRAM
- C. DRAM-->SCM-->SSD-->SATA
- D. SATA-->SSD-->SCM-->DRAM

Suggested Answer: C

Community vote distribution

D (100%)

🗳️ **CaioGVNunes** 5 months, 3 weeks ago

Lowest to highest is -

Answer: SATA → SSD → SCM → DRAM

upvoted 2 times

🗳️ **Axterix2612** 11 months, 1 week ago

Selected Answer: D

D is correct

upvoted 2 times

🗳️ **newserv** 1 year ago

Selected Answer: D

Lowest to highest is -

Answer: SATA → SSD → SCM → DRAM

upvoted 1 times

🗳️ **Molnar** 1 year, 2 months ago

Selected Answer: D

Lowest to highest is D

upvoted 1 times

🗳️ **Molnar** 1 year, 2 months ago

Lowest to highest is D

upvoted 1 times

🗳️ **CA14** 1 year, 2 months ago

Selected Answer: D

Lowest to highest is D. Highest to lowest is C.

upvoted 1 times

🗳️ **jubalean** 1 year, 3 months ago

D is the answer inside the Dell material

upvoted 1 times

🗳️ **Norbert_Pueschel** 1 year, 3 months ago

Selected Answer: D

Lowest to highest is D. Highest to lowest is C.

upvoted 2 times

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

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

Suggested Answer: B

Community vote distribution

B (100%)

🗨️ 👤 **Axterix2612** 5 months ago

Selected Answer: B

These NAS products are optimized for file sharing and object data storage.
upvoted 2 times

🗨️ 👤 **WazBlack** 7 months, 4 weeks ago

Selected Answer: B

PowerScale is a NAS product optimized for file sharing and object data storage
upvoted 2 times

🗨️ 👤 **MNASaimon** 9 months, 3 weeks ago

correct answer is B
upvoted 2 times

What information is available in a capacity planning report for storage infrastructure?

- A. number of units of storage available, used and the cost
- B. current and historic information about the utilization of storage, file systems, and ports
- C. equipment purchase dates, licenses, lease status, and maintenance records
- D. current and historical performance information about IT components and operations

Suggested Answer: B



Community vote distribution

B (100%)

  **Axterix2612** 5 months ago

Selected Answer: B

Capacity planning reports contain current and historic information about the utilization of storage, file systems, ports, etc.
upvoted 2 times

  **Shurjodin** 5 months, 2 weeks ago

B is the correct answer, Source: ISM v4 SStudy Guide, Page: 800
upvoted 2 times

What describes an incident in a storage infrastructure?


- A. Unknown root cause of one or more disruptions to service
- B. Support request to help access an IT resource
- C. Any action that may impact the functionality of the system
- D. Any event that prevents corrections of known errors

Suggested Answer: C

Community vote distribution


A (67%)

C (33%)

 **d_g_tal** 8 months, 3 weeks ago

Selected Answer: A

C is answer
upvoted 1 times

 **Oran** 1 year, 2 months ago

Selected Answer: C

C definitely
upvoted 1 times


 **Anson_LAU** 1 year, 2 months ago

Selected Answer: C

C definitely
upvoted 1 times

 **SohailKhalil** 1 year, 6 months ago

C. Any action that disrupts the normal process and operation of the system, could be known or unknown and intentional or unintentional.
upvoted 2 times


 **newserv** 1 year, 6 months ago

Selected Answer: A

An incident in a storage infrastructure refers to an unexpected event that disrupts the normal operation of the system. This could be a hardware or software failure, a security breach, or any other type of problem that affects the availability or functionality of the storage system. An incident is typically characterized by an unknown root cause, meaning that the cause of the disruption is not immediately clear and requires further investigation to determine.
upvoted 3 times

 **johnsonldddd** 1 year, 8 months ago

A. Unknown root cause of one or more disruptions to service
upvoted 3 times

 **Troutmaster** 1 year, 8 months ago

I think the answers for this question are not accurate. I looked at the DEA 1TT4 question that is basically the same question and there was good discussion there also, but in this case Answer B was the most highly voted. - Any event that may lead to the disruption of a service.

I believe that the wording of Answer C should be "An" and not "Any"

An event that may lead to the disruption of a service

This more resembles the definition provided in the curriculum.

An incident is an unplanned event such as a switch failure, security attack, or replication software error that may cause an interruption to the protection operations and services, or degrade their quality.

Therefore C should be the correct answer here and not A.

upvoted 1 times



  **Yaw1111** 1 year, 9 months ago

A. Unknown root cause of one or more disruptions to service describes an incident in a storage infrastructure.

An incident in a storage infrastructure refers to an unexpected event that disrupts the normal operation of the system. This could be a hardware or software failure, a security breach, or any other type of problem that affects the availability or functionality of the storage system. An incident is typically characterized by an unknown root cause, meaning that the cause of the disruption is not immediately clear and requires further investigation to determine.

Incidents can have a significant impact on the performance and reliability of a storage infrastructure, and it is important to quickly identify and resolve them in order to minimize their impact. This may involve troubleshooting and debugging, as well as implementing temporary or permanent fixes to prevent future incidents from occurring.

upvoted 2 times

  **penzy** 1 year, 9 months ago

Unknown root cause of one or more disruptions to service. is this correct ?

upvoted 3 times

What is a benefit of including a Defense-in-depth strategy as part of the data center security strategy?

- A. Optimize application and data storage security controls
- B. Optimize application and network security controls
- C. Reduce the overall cost of deploying security controls
- D. Reduce the scope of an information security risk

Suggested Answer: D

Community vote distribution


D (100%)

 **Axterix2612** 5 months ago

Selected Answer: D

Reduces the scope of a security breach.

upvoted 1 times

 **Shurjodin** 5 months, 2 weeks ago

D is the correct answer. Source: ISM v4 Study Guide, Page: 719

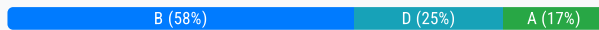
upvoted 1 times

Which backup component sends metadata and tracking information about each backup to the system that maintains this information?

- A. Backup agent
- B. Storage node
- C. Backup device
- D. Backup server

Suggested Answer: D

Community vote distribution



Aynanalkady 8 months ago

Selected Answer: B

The storage node sends the tracking information about the data that is written to the backup device to the backup server. Typically this information is used for recoveries. Backup targets include tape, disk, virtual disk library, and the cloud. Module 10-Data Protection v5 Page 82

upvoted 1 times

VilCoyote 8 months, 4 weeks ago

Selected Answer: B

Backup Operation diagram describing backup steps in the participant guide:
Step 6: Storage node send metadata and media information to the backup server.

upvoted 1 times

d_g_tal 9 months, 3 weeks ago

Selected Answer: B

correct answer is B

upvoted 1 times

Oran 1 year, 2 months ago

Selected Answer: D

that is a backup server's role

upvoted 1 times

Impike2626 1 year, 3 months ago

Selected Answer: B

he storage node sends the tracking information about the data that is written to the backup device to the backup server.

upvoted 1 times

newserv 1 year, 6 months ago

Selected Answer: B

I think Storage Node is correct based on the following explanation...

The backup metadata contains information about the backed-up data. The storage node is responsible for organizing the client's data and writing the data to a backup device. A storage node controls one or more backup devices....The storage node sends the tracking information about the data that is written to the backup device to the backup server. Typically this information is used for recoveries. Backup targets include tape, disk, virtual disk library, and the cloud.

upvoted 1 times

rowstar19 1 year, 7 months ago

Selected Answer: D

The backup server manages the backup operations and maintains the backup catalog, which contains information about the backup configuration and backup metadata.

upvoted 1 times

fatstormtrooper 1 year, 7 months ago

Selected Answer: B

I feel storage node is more correct. (considering "each backup")

The storage node is responsible for writing the data, to the backup device. In a backup environment, a storage node is a host that controls backup devices. The storage node also sends tracking information to the backup server. In many cases, the storage node is integrated with the backup server, and both are hosted on the same physical platform

upvoted 2 times

  **rakanissa** 1 year, 7 months ago

Selected Answer: A

a backup client is to gather the data that must be backed up and send it to the storage node. The backup client can be installed on application servers, mobile clients, and desktops. It also sends the tracking information to the backup server.

upvoted 2 times

  **johnsonldddd** 1 year, 8 months ago

Selected Answer: D

The backup server manages the backup operations and maintains the backup catalog, which contains information about the backup configuration and backup metadata.

upvoted 1 times

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%

Suggested Answer: C

Community vote distribution

A (100%)

 **Narum** Highly Voted 1 year, 4 months ago

It should be A: 91.6%
upvoted 9 times

 **Oran** Most Recent 8 months, 2 weeks ago

Selected Answer: A
Total time :168 h
Down time : 14 h
 $(168-14)=154$
 $ia=uptime/(uptime+downtime)$
 $154/(168+14)=0.916$
upvoted 2 times

 **newserv** 1 year ago

Selected Answer: A
168 Total H
 $4+5+5 = 14$ H down
 $168-14 = 154$
 $\Rightarrow 154/168 = 0.916 \times 100 = 91.6\%$
upvoted 2 times

 **Rv2190** 1 year ago


Selected Answer: A
91.6 is te right answer
upvoted 1 times

 **WazBlack** 1 year, 1 month ago

Selected Answer: A
 $IA = Downtime/(DownTime+Uptime) = 154/168 = 0.916 \times 100 = 91.6\%$
upvoted 2 times

 **vegas_77** 1 year, 1 month ago

Selected Answer: A
154h of 168h (7x24) is 91.6%. Answer A
upvoted 1 times

 **penzy** 1 year, 3 months ago

it should be 91.6% the answer is wrong in either please explain why it is 95%
upvoted 3 times

What is a benefit of unified storage systems?

- A. Provides the capability to separately plan the capacity consumption of object-based data
- B. Eliminates the need to use SATA disk drives to store less valued data
- C. Enables rapid development of modern applications by using a common storage pool
- D. Increases the overall storage capacity utilization with no stranded capacity

Suggested Answer: C

Community vote distribution

D (71%)

C (29%)

🗳️ 👤 **AbdulrahmanKhaled** 3 months, 3 weeks ago

Selected Answer: D

Increased utilization, with no stranded capacity. Unified storage eliminates the capacity utilization penalty

upvoted 1 times

🗳️ 👤 **AbdulrahmanKhaled** 3 months, 3 weeks ago

page 48

upvoted 1 times

🗳️ 👤 **mo7amed_3id** 8 months ago

Unified storage systems provide several benefits for organizations that need to manage different types of data. One of the key benefits of unified storage systems is that they enable rapid development of modern applications by using a common storage pool.

C is the Correct Answer

upvoted 1 times

🗳️ 👤 **Aynanalkady** 1 year, 2 months ago

Selected Answer: D

Increased utilization, with no stranded capacity. Unified storage eliminates the capacity utilization penalty

upvoted 1 times

🗳️ 👤 **CaioGVNunes** 1 year, 5 months ago

Selected Answer: C

Page 11

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Visão geral do Sistema de armazenamento inteligente (ISS)

Módulo 4 - Sistemas de armazenamento inteligente-SSP

Armazenamento unificado

O armazenamento unificado é um sistema de armazenamento único que consolida o acesso em nível de bloco, em nível de arquivo e em nível de objeto e é gerenciado centralmente.

- Em algumas implementações, há controladores dedicados ou separados para lidar com E/S de bloco, E/S de arquivo e E/S de objeto.
- O compartilhamento dos recursos de armazenamento aumenta a utilização do armazenamento.

upvoted 1 times

🗳️ 👤 **Axterix2612** 1 year, 11 months ago

Selected Answer: D

Increased utilization, with no stranded capacity. Unified storage eliminates the capacity utilization penalty.

upvoted 1 times

🗳️ 👤 **chuhakhanh** 1 year, 11 months ago

Unified storage systems provide several benefits for organizations that need to manage different types of data. One of the key benefits of unified storage systems is that they enable rapid development of modern applications by using a common storage pool.

Therefore, the correct answer is option C. With a unified storage system, organizations can store both file-based and block-based data in a single

storage platform, which simplifies storage management and reduces storage costs. The common storage pool provides a shared repository for all types of data, which allows developers to create and deploy modern applications more quickly and efficiently.

upvoted 1 times

🗨️ 👤 **SohailKhalil** 2 years ago

C. Unified storage frees administrators from having to manage multiple sets of tools and pools of disparate storage.

upvoted 1 times

🗨️ 👤 **newserv** 2 years ago

Selected Answer: D

Increased utilization, with no stranded capacity. Unified storage eliminates the capacity utilization penalty.

upvoted 1 times

🗨️ 👤 **Hamza_D** 2 years, 1 month ago

D. Increases the overall storage capacity utilization with no stranded capacity.

upvoted 2 times

🗨️ 👤 **WazBlack** 2 years, 1 month ago

Selected Answer: C

Unified storage systems allow for the consolidation of multiple types of storage into a single, shared storage pool. This common pool of storage can be accessed and utilized by multiple applications, making it easier and faster to develop new applications without the need to allocate separate storage for each one.

upvoted 1 times

🗨️ 👤 **johnsonldddd** 2 years, 2 months ago

Selected Answer: D

Enables rapid development of modern applications by using a common storage pool

upvoted 2 times

🗨️ 👤 **intcomex123** 2 years, 3 months ago

Respuesta D

upvoted 1 times

What is the result of increasing the number of FC switches in a full mesh topology?

- A. Reduces available node ports for ISL connectivity
- B. Reduces number of storage and compute ports for node connectivity
- C. Reduces switch ports available for node connectivity
- D. Reduces switch ports available bandwidth for node connectivity

Suggested Answer: C

Community vote distribution

C (100%)

🗨️ 👤 **Hamza_D** 7 months, 1 week ago

C. Reduces switch ports available for node connectivity.

the number of switch ports used for ISL also increases. This reduces the available switch ports for node connectivity.

upvoted 1 times

🗨️ 👤 **johnsonlddd** 8 months, 2 weeks ago

Selected Answer: C

C. Reduces switch ports available for node connectivity

upvoted 1 times

What is the key advantage of cloning a VM?

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

Suggested Answer: C

Community vote distribution

C (100%)

🗨️ **Axterix2612** 5 months ago

Selected Answer: C

Typically clones are deployed when many identical VMs are required. Using a clone reduces the time required to deploy a new VM.
upvoted 1 times

🗨️ **johnsonldddd** 8 months, 2 weeks ago

Selected Answer: C

C. Saves time when creating multiple identical copies of a VM
upvoted 2 times

What is the effect of implementing link aggregation in an FC SAN environment?

- A. Distributes network traffic over ISLs that ensures even ISL utilization
- B. Yields higher throughput by combing two parallel ISLs into a single physical ISL
- C. Saves bandwidth by restricting traffic to a specific potentially congested ISL
- D. Improves ISL utilization by increasing network traffic on a specific ISL

Suggested Answer: B

Community vote distribution

A (100%)

🗉 👤 **CaioGVNunes** 5 months, 3 weeks ago

Selected Answer: A

O tráfego de rede para todos os pares de portas é distribuído pelos ISLs na port-channel, o que garante uma utilização uniforme do ISL.
upvoted 1 times

🗉 👤 **Oran** 8 months, 2 weeks ago

Selected Answer: A

definitely A
upvoted 1 times

🗉 👤 **Axterix2612** 11 months, 1 week ago

Selected Answer: A

Distributes network traffic over ISLs, ensuring even ISL utilization.
upvoted 1 times

🗉 👤 **newserv** 1 year ago

Selected Answer: A

I think the following answer is A the correct answered, based on the following explanation...
Combines two or more parallel ISLs into a single logical ISL, called a port- channel, yielding higher throughput than a single ISL could provide.

Distributes network traffic over ISLs, ensuring even ISL utilization.
upvoted 1 times

🗉 👤 **WazBlack** 1 year, 1 month ago

Selected Answer: A

B here is the wrong answer here because link aggregation in an FC SAN environment yields higher throughput by combing two parallel ISLs into a single logical ISL. Hence, NOT physical ISL. !!!

upvoted 3 times

🗉 👤 **johnsonldddd** 1 year, 2 months ago

B. Yields higher throughput by combing two parallel ISLs into a single physical ISL
upvoted 1 times

What is a benefit of using an existing Ethernet network infrastructure for storage connectivity?

- A. Provides a dedicated network for storage
- B. Ensures security by allowing only localized data movement
- C. Ensures lossless transmission of FC traffic
- D. Reduces overall cost of the network infrastructure

Suggested Answer: D

Community vote distribution

D (100%)

 **Axterix2612** 5 months ago

Selected Answer: D

Users might choose to implement a SAN over IP because they want to use their existing IP network. This method is more cost effective than implementing a new Fibre Channel SAN.

upvoted 1 times

What is true about storage system-based replication?

- A. The source volume is not required to be healthy to restore the data from the snapshot
- B. All the snapshots created from a source volume should be different sizes
- C. Taking multiple snapshots improve the performance of the source volume
- D. Snapshots are immediately accessible after the replication session activation

Suggested Answer: D

Community vote distribution

D (100%)



  **Aynanalkady** 8 months ago

Selected Answer: D

The snapshot is immediately accessible after the replication session activation.

Module 10-Data Protection v5 Page 8

upvoted 1 times

  **Axterix2612** 1 year, 5 months ago

Selected Answer: D

The snapshot is immediately accessible after the replication session activation.

upvoted 1 times

  **Troutmaster** 1 year, 8 months ago

This question needs to be more defined. The answers all involve snapshots. The answer that is being suggested here, Answer D, is actually part of the official curriculum but it is under Storage-System-Based Snapshots. The question should be changed to read:

What is true about storage-system-based snapshots?

Then the Answer of D is correct. Otherwise all answers are incorrect as the original question is referring to Storage-System-Based replication.

upvoted 1 times

Which technology allows automation of sensors and devices to share and process information?

- A. Internet of Things
- B. Cloud computing
- C. Artificial Intelligence
- D. Deep Learning

Suggested Answer: A

Community vote distribution

A (100%)





  **Axterix2612** 5 months ago

Selected Answer: A

A is correct

upvoted 1 times

  **johnsonldddd** 8 months, 3 weeks ago

Selected Answer: A

Internet of Things

upvoted 1 times

An organization wants to deploy a VM storage migration solution into their data center environment.

What is the result of deploying this type of solution?

- A. Enables VMs to continue functioning when source data becomes unavailable
- B. Improves the application security of migrated VMs
- C. Enables efficient management of capacity across storage systems
- D. Reduces overall storage capacity requirements

Suggested Answer: C

Community vote distribution

C (100%)

🗨️ 👤 **Axterix2612** 5 months ago

Selected Answer: C

Efficiently manages storage capacity.

upvoted 2 times

🗨️ 👤 **johnsonlddd** 8 months, 2 weeks ago

Selected Answer: C

C. Enables efficient management of capacity across storage systems

upvoted 3 times

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

Suggested Answer: A

Community vote distribution

A (100%)



🗨️ 👤 **Axterix2612** 5 months ago

Selected Answer: A

RAID 1 – Disk mirroring.

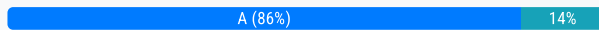
- A RAID 1 set consists of two disk drives and every write is written to both disks.
upvoted 2 times

What is a feature of 5G technology?

- A. Higher connectivity density
- B. Higher WAN bandwidth
- C. Higher transmission distances
- D. Higher LAN bandwidth

Suggested Answer: A

Community vote distribution



🗨️ **Axterix2612** 5 months ago

Selected Answer: A

5G enhances performance by providing greater throughput, lower latency, ultra-high reliability, higher connectivity density and an expanded range of mobility.

upvoted 2 times

🗨️ **newserv** 6 months, 3 weeks ago

Selected Answer: A

5G enhances performance by providing greater throughput, lower latency, ultra- high reliability, higher connectivity density and an expanded range of mobility.

upvoted 2 times

🗨️ **Andreasz** 7 months, 1 week ago

Selected Answer: B

Higher wan bandwidth

upvoted 1 times

🗨️ **WazBlack** 7 months, 4 weeks ago

Selected Answer: A

Ultra-low latency and higher connectivity density

upvoted 1 times

🗨️ **johnsonldddd** 8 months, 2 weeks ago

Selected Answer: A

A. Higher connectivity density

upvoted 1 times

Which process eliminates data redundancy in a data set?

- A. Data archiving
- B. Data replication
- C. Data migration
- D. Data deduplication

Suggested Answer: D

Community vote distribution


D (100%)



 **Axterix2612** 5 months ago

Selected Answer: D

Data Deduplication is the process of detecting and identifying the unique data segments within a given set of data to eliminate redundancy.
upvoted 1 times

 **johnsonlddd** 8 months, 2 weeks ago

Selected Answer: D

D. Data deduplication
upvoted 1 times

What is a goal of cyber recovery?

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

Suggested Answer: A

Community vote distribution

A (100%)

  **Axterix2612** 5 months ago



Selected Answer: A

Cyber Recovery

- True information protection emphasizes keeping an isolated copy of your critical data such as essential applications and intellectual property off the network.

- Isolates data to ensure an uncompromised copy always exists.

upvoted 1 times

  **WazBlack** 7 months, 4 weeks ago

Selected Answer: A

Keeping an isolated copy of your critical data such as essential applications and intellectual property off the network.

upvoted 1 times

What occurs when a company's IT infrastructure security is breached by a passive attack?

- A. data is altered by an unauthorized user
- B. unauthorized system access is obtained
- C. access to services is denied
- D. availability of data is affected

Suggested Answer: B

Community vote distribution

B (100%)

  **Axterix2612** 5 months ago

Selected Answer: B

Passive attacks attempt to gain unauthorized access into the system.

upvoted 1 times

  **Andreasz** 7 months, 1 week ago

Selected Answer: B

Passive attacks attempt to gain unauthorized access into the system.

upvoted 1 times


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.

Suggested Answer: B

Community vote distribution


A (100%)

 **d_g_tal** 9 months, 1 week ago

Selected Answer: A

Storage Class Memory (SCM) is a type of non-volatile memory that is slower than traditional Dynamic Random Access Memory (DRAM) but offers faster read and write speeds compared to flash memory. SCM is designed to provide a compromise between the speed of volatile memory like DRAM and the non-volatility of flash memory.

upvoted 2 times

 **Axterix2612** 1 year, 5 months ago

Selected Answer: A

Slower than DRAM but read and write speeds are over 10 times faster than flash and can support higher IOPS while offering comparable throughput.

upvoted 1 times

 **WazBlack** 1 year, 7 months ago

Selected Answer: A

SCM is slower than DRAM but read and write speeds are over 10 times faster than flash and can support higher IOPS while offering comparable throughput.

upvoted 1 times

 **johnsonldddd** 1 year, 8 months ago

Selected Answer: A

Slower than DRAM but read and write speeds are faster

upvoted 2 times

 **Yaw1111** 1 year, 9 months ago

A. SCM is slower than DRAM but read and write speeds are faster than flash is true about Storage Class Memory (SCM).

Storage Class Memory (SCM) is a type of non-volatile memory that is designed to provide high-speed access to data with low latencies, similar to dynamic random access memory (DRAM). SCM is slower than DRAM in terms of access speeds, but it is faster than flash-based storage in terms of read and write speeds.

SCM is often used as a high-performance alternative to traditional storage technologies, such as hard disk drives (HDDs) and solid state drives (SSDs). It is especially useful for applications that require fast access to large amounts of data, such as databases, big data analytics, and high-performance computing (HPC).

SCM is typically more expensive than other types of storage, but it can offer significant performance improvements in certain scenarios.



upvoted 2 times

 **axxe2109** 1 year, 9 months ago

I think the answer is A:

Slower than DRAM but read and write speeds are over 10 times faster than flash and can support higher IOPS while offering comparable throughput.

upvoted 3 times

  **Narum** 1 year, 10 months ago

SCM is memory-like performance, not cost
upvoted 1 times

What is an accurate statement about the Do-It-Yourself approach for building modern Infrastructure?

- A. Utilizes preconfigured preinstalled and prepackaged vendor ready solutions
- B. Combines the datacenter components into a single standalone computing platform managed by software
- C. Utilizes products and services from the vendors that provide specific functions with more configuration options
- D. Combines datacenter components into a distributed infrastructure platform managed by software

Suggested Answer: C

Community vote distribution

C (100%)

🗨️ **Aynanalkady** 8 months ago

Selected Answer: C

Utilizes products and services from the respective leading vendors and provides specific functions with more configuration options.

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upvoted 1 times

🗨️ **Axterix2612** 1 year, 5 months ago

Selected Answer: C

Utilizes products and services from the respective leading vendors and provides specific functions with more configuration options.

upvoted 1 times

🗨️ **js124** 1 year, 9 months ago

C is correct

In the Do-It-Yourself (DIY) approach, organizations integrate the best in class infrastructure components including hardware and software that is purchased from different vendors. This approach:

Utilizes products and services from the respective leading vendors and provides specific functions with more configuration options.

Requires integration and testing for compatibility between the various components and the existing infrastructure.

Enables organizations to select vendors of their choice for infrastructure components.

Provides an option for organizations to switch vendors if they are unable to provide the required performance or service levels.

upvoted 1 times

What is the maximum number of VLANs that can be supported with one VLAN tag field?

- A. 4096
- B. 8192
- C. 1024
- D. 2048

Suggested Answer: D

Community vote distribution

A (86%)

14%

AbdulrahmanKhaled 3 months, 3 weeks ago

Selected Answer: A

Ethernet switches that have VLAN enabled use Ethernet frames with the VLAN TAG field added. The VLAN TAG is a 12-bit field that can address up to 4096 VLANs. A switch reads the VLAN tag and forwards the Ethernet frame to the port assigned to the VLAN ID, or to the next switch when required.

upvoted 1 times

CaioGVNunes 5 months, 3 weeks ago

Selected Answer: A

Ethernet switches that have VLAN enabled use Ethernet frames with the VLAN TAG field added. The VLAN TAG is a 12-bit field that can address up to 4096 VLANs. A switch reads the VLAN tag and forwards the Ethernet frame to the port assigned to the VLAN ID, or to the next switch when required.

upvoted 1 times

Axterix2612 11 months, 1 week ago

Selected Answer: A

Ethernet switches that have VLAN enabled use Ethernet frames with the VLAN TAG field added. The VLAN TAG is a 12-bit field that can address up to 4096 VLANs. A switch reads the VLAN tag and forwards the Ethernet frame to the port assigned to the VLAN ID, or to the next switch when required.

upvoted 1 times

SohailKhalil 1 year ago

A. 4094

The Total possible are 4096, VID of 0 is used to identify priority frames, and value 4095 (FFF) is reserved, so the maximum possible number of supported VLANs is 4,094

upvoted 1 times

Ducnam8888 1 year ago

Selected Answer: D

4,094

Under IEEE 802.1Q, the maximum number of VLANs on a given Ethernet network is 4,094 (4,096 values provided by the 12-bit VID field minus reserved values at each end of the range, 0 and 4,095).

upvoted 1 times

newserv 1 year ago

Selected Answer: A

A - 4096

upvoted 1 times

vegas_77 1 year, 1 month ago

Selected Answer: A



Answer A: 4096 (CCNA)

upvoted 3 times

penzy 1 year, 3 months ago

this should be 4096 showing in different documents

upvoted 3 times

  **pedy** 1 year, 3 months ago

answer D = The Tag Protocol Identifier is set to 16 bits. In the CCNA certification it is said that it's not possible to have more than 4096 VLANs

upvoted 1 times