

# Free PDF 2026 Pure Storage The Best Exam FAAA\_005 Details

- C. Cloud Block Store
- D. Portworx DBaaS

**Answer:** C

**Explanation:**

The customer has a cloud-first strategy and does not wish to own additional capital assets, meaning they are looking for a solution that operates entirely within the public cloud without requiring on-premises hardware. Additionally, their primary goal is to reduce cloud storage costs while managing a large volume of database data (100 TB).

Cloud Block Store (CBS) is the ideal solution for this requirement. CBS is a software-defined block storage solution that runs natively in the public cloud (e.g., AWS or Azure). It provides enterprise-grade storage features like deduplication, compression, and thin provisioning, which help optimize storage usage and reduce costs. By leveraging CBS, the customer can efficiently manage their database workloads in the cloud while minimizing storage expenses.

**Why Not the Other Options?**

A. Evergreen/Flex: This is a subscription-based model for on-premises FlashArray hardware. Since the customer does not want to own any additional capital assets, this option does not align with their cloud-first strategy.

B. Evergreen/Forever: Similar to Evergreen/Flex, this is an on-premises solution that involves hardware ownership, which does not meet the customer's requirements.

D. Portworx DBaaS: While Portworx is a containerized storage solution for databases, it is primarily designed for Kubernetes environments and does not directly address the need to reduce cloud storage costs for traditional database workloads.

**Key Points:**

Cloud Block Store: A cloud-native block storage solution that reduces storage costs through advanced data reduction techniques.

Cloud-First Strategy: CBS aligns perfectly with the customer's desire to avoid capital expenditures and operate entirely within the public cloud.

Reference: Pure Storage Cloud Block Store Documentation: "Deploying and Managing Cloud Block Store in Azure"

Pure Storage Whitepaper: "Optimizing Cloud Costs with Cloud Block Store"

Pure Storage Best Practices Guide: "Database Workloads in the Public Cloud"

3.A customer needs to be able to replicate from on-prem into the public cloud. They want to use the cloud as their DR site with failover and fallback capabilities.

Which Pure Storage feature should the customer use?

A. Snapshot replication to replicate between a FlashArray on site and Cloud Block Store

B. Purity//FA CloudSnap periodic offload of snapshots to AWS

C. ActiveCluster FC replication between a FlashArray on site and Evergreen//One

**Answer:** A

**Explanation:**

The customer requires a disaster recovery (DR) solution that allows them to replicate data from their on-premises environment to the public cloud. They also need failover and fallback capabilities, meaning they must be able to switch operations to the cloud during a disaster and revert back to on-premises once the issue is resolved.

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## Pure Storage FlashArray Architect Associate Sample Questions (Q17-Q22):

### NEW QUESTION # 17

A cost-conscious customer at a small regional hospital is running a PACS image archive on an NL-disk array.

The customer has the following requirements:

- \* More than 1 PB of storage
- \* Latency is not a concern
- \* Customer user shares must be on the same array

Which solution will meet the customer's needs?

- **A. FlashArray//C**
- B. FlashArray//XL
- C. FlashArray//X

**Answer: A**

Explanation:

The customer at the small regional hospital requires a storage solution for a PACS image archive with the following requirements:

More than 1 PB of storage

Latency is not a concern

Customer user shares must be on the same array

The best solution to meet these needs is FlashArray//C.

Why This Matters:

FlashArray//C:

FlashArray//C is designed for capacity-optimized workloads, making it ideal for use cases like PACS image archives that require large amounts of storage at a lower cost per GB.

It supports QLC flash technology, which provides high density and cost efficiency for less performance-intensive workloads.

With its ability to scale to over 1 PB of storage, FlashArray//C can meet the customer's capacity requirements while supporting both block and file workloads (e.g., user shares) on the same array using FA File Services.

Why Not the Other Options?

A). FlashArray//X:

FlashArray//X is optimized for high-performance workloads, such as databases and mission-critical applications. While it supports large capacities, it is more expensive and not the most cost-effective solution for latency-insensitive workloads like PACS archives.

B). FlashArray//XL:

FlashArray//XL is designed for extreme-scale workloads requiring massive performance and capacity. It is overkill for this use case and would significantly increase costs without providing proportional benefits.

Key Points:

FlashArray//C: Provides high-density storage at a low cost per GB, ideal for large-scale, latency-insensitive workloads.

Unified Storage: Supports both block and file workloads on the same array, meeting the requirement for user shares.

Cost Efficiency: Balances performance and cost, making it suitable for PACS archives and similar use cases.

Reference: Pure Storage FlashArray//C Documentation: "Use Cases for FlashArray//C" Pure Storage Whitepaper: "Optimizing Storage Costs with FlashArray//C" Pure Storage Knowledge Base: "Choosing the Right FlashArray Model for Your Workload"

### NEW QUESTION # 18

Which FlashArray feature best protects local snapshots from ransomware attacks?

- **A. SafeMode**
- B. CloudSnap
- C. ActiveCluster

**Answer: A**

Explanation:

The FlashArray feature that best protects local snapshots from ransomware attacks is SafeMode.

Why This Matters:

SafeMode Snapshots:

SafeMode is a security feature that creates immutable snapshots, meaning they cannot be deleted, modified, or encrypted by malicious actors, including ransomware.

These snapshots are locked for a user-defined retention period, ensuring data integrity and recoverability even in the event of a ransomware attack.

Why Not the Other Options?

A). CloudSnap:

CloudSnap offloads snapshots to cloud storage (e.g., AWS S3 or Azure Blob). While it provides an offsite backup solution, it does not inherently protect against ransomware attacks targeting local snapshots.

C). ActiveCluster:

ActiveCluster provides synchronous replication between two sites for high availability. While it ensures data redundancy, it does not protect against ransomware attacks targeting snapshots.

Key Points:

SafeMode: Creates immutable snapshots to protect against ransomware attacks. Data Integrity: Ensures snapshots remain unaltered during the retention period. Ransomware Protection: A critical feature for safeguarding data in modern IT environments.

Reference: Pure Storage FlashArray Documentation: "SafeMode Snapshots for Ransomware Protection" Pure Storage Whitepaper: "Protecting Data Against Ransomware with FlashArray" Pure Storage Knowledge Base: "Best Practices for Using SafeMode Snapshots"

## NEW QUESTION # 19

A customer running FlashArray//X70R3 in production just purchased a FlashArray//C60R3 Array for a secondary site. The customer wants to have the lowest RPO (Recovery Point Objective) possible for the data.

Which FlashArray feature will meet the requirements?

- A. Async Replication
- **B. ActiveDR**
- C. ActiveCluster

**Answer: B**

Explanation:

The customer wants to achieve the lowest RPO (Recovery Point Objective) possible for their data when replicating between a FlashArray//X70R3 in production and a FlashArray//C60R3 at a secondary site. The best feature to meet this requirement is ActiveDR.

Why This Matters:

ActiveDR:

ActiveDR is an asynchronous replication solution designed for disaster recovery scenarios. It provides low RPOs, typically in the range of seconds to minutes, depending on network conditions and workload characteristics.

While it is asynchronous, ActiveDR achieves much lower RPOs compared to traditional async replication methods like snapshot replication.

It also supports fast failover and failback, ensuring minimal downtime during a disaster recovery event.

Why Not the Other Options?

A). ActiveCluster:

ActiveCluster provides synchronous replication with zero RPO and near-zero RTO. However, it requires both sites to be within a low-latency range (typically <10 ms). Since the customer has not specified that the secondary site is within synchronous distance, ActiveCluster is not feasible in this scenario.

C). Async Replication:

Traditional asynchronous replication (e.g., snapshot replication) typically results in higher RPOs compared to ActiveDR. It does not provide the same level of optimization for low RPOs as ActiveDR.

Key Points:

ActiveDR: Provides the lowest RPO possible for asynchronous replication, making it ideal for geographically distant secondary sites.

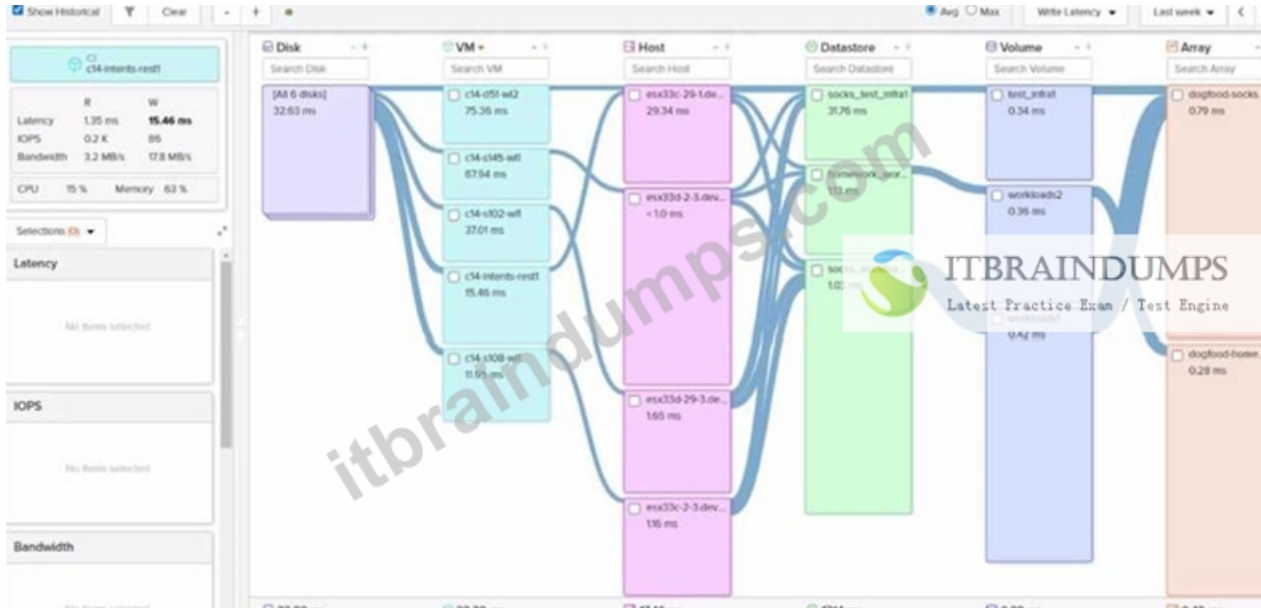
Network Latency: ActiveDR is designed to work efficiently over longer distances and higher latencies compared to synchronous solutions like ActiveCluster.

Disaster Recovery: Ensures protection against site failures with minimal data loss and downtime.

Reference: Pure Storage FlashArray Documentation: "ActiveDR for Disaster Recovery" Pure Storage Whitepaper: "Meeting RPO and RTO Requirements with FlashArray" Pure Storage Knowledge Base: "Choosing the Right Replication Solution for High Latency"

## NEW QUESTION # 20

Refer to the exhibit.



Which VM is running on the ESXi host with the lowest write latency?

- A. c14-s145-w11
- **B. c14-d51-w12**
- C. c14-s102-w11
- D. C14-s108-w11

**Answer: B**

Explanation:

Write Latency:

Write latency refers to the time it takes for a write operation to complete on the storage array. Lower write latency indicates better performance and faster response times for write-intensive workloads.

In Pure Storage arrays, write latency is typically measured in milliseconds (ms) and can be monitored using tools like Pure1 or Purity//FA performance metrics.

VM-to-Host Mapping:

Each VM runs on an ESXi host, and the write latency of the VM is influenced by the storage performance characteristics of the host it resides on.

To identify the VM with the lowest write latency, we must compare the write latency values for each VM listed in the exhibit.

## NEW QUESTION # 21

What architectural design simplifies controller upgrades from FlashArray//XR2 to //XR3?

- A. InfiniBand connectivity between controllers
- **B. Common controller chassis for both models**
- C. NVRAM modules in both controllers
- D. Re-use of existing HBAs to prevent WWN changes

**Answer: B**

Explanation:

The architectural design that simplifies controller upgrades from FlashArray//XR2 to //XR3 is the use of a common controller chassis for both models. This design allows customers to upgrade their controllers without replacing the entire array chassis, minimizing downtime and complexity during the upgrade process.

Why This Matters:

The common controller chassis ensures that the physical infrastructure (e.g., drive shelves, power supplies, and other components) remains unchanged during the upgrade. Only the controllers themselves need to be swapped out, which significantly reduces the time and effort required for the upgrade.

This approach also eliminates the need for re-cabling or reconfiguring the array, as the chassis and its connections remain consistent

between the two models.

Why Not the Other Options?

B). InfiniBand connectivity between controllers: While InfiniBand is used for high-speed communication between controllers in FlashArray systems, it is not directly related to simplifying controller upgrades. It is a feature of the architecture but does not address the ease of upgrading between models.

C). NVRAM modules in both controllers: NVRAM (Non-Volatile RAM) is used to ensure data integrity during power loss, but it is not a factor in simplifying controller upgrades. Both XR2 and XR3 models include NVRAM, so this is not unique to the upgrade process.

D). Re-use of existing HBAs to prevent WWN changes: While reusing HBAs can help avoid changes to World Wide Names (WWNs), this is not a key factor in simplifying the upgrade process. The common controller chassis is the primary design feature that streamlines the upgrade.

Key Points:

Common Controller Chassis: Enables seamless upgrades by allowing the replacement of controllers without changing the rest of the array infrastructure.

Minimized Downtime: Reduces the time and complexity of upgrades, ensuring minimal disruption to operations.

Consistency Across Models: Ensures compatibility and continuity between different generations of FlashArray controllers.

Reference: Pure Storage FlashArray//X Documentation: "Controller Upgrade Process and Best Practices" Pure Storage

Whitepaper: "Evergreen Architecture and Controller Upgrades" Pure Storage Knowledge Base: "Upgrading FlashArray Controllers Without Downtime"

## NEW QUESTION # 22

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