

Splendid Pure Storage FAAA_005 Exam Questions - Pass Exam Confidently [2026]

1.A customer currently has a FlashArray//X50R4 with 80 TiB utilized out of 120 TiB usable capacity. The customer needs to add a 46 TiB SQL workload with an expected DRR of 3.85 to this system.

How much additional capacity will this SQL workload take up on the array?

- A. 177 TiB
- B. 46 TiB
- C. 28 TiB
- D. 12 TiB

Answer: A

Explanation:

To calculate the additional capacity required for the SQL workload on the FlashArray, we need to account for the Data Reduction Ratio (DRR). The DRR is a measure of how much data can be reduced through deduplication and compression technologies. In this case, the expected DRR for the SQL workload is 3.85.

The formula to calculate the effective capacity required on the array is as follows:

$$\text{Effective Capacity Required} = \frac{\text{Logical Data Size}}{\text{DRR}}$$

Here:

Logical Data Size = 46 TiB (the size of the SQL workload before reduction)

DRR = 3.85 (expected data reduction ratio)

Substituting the values into the formula:

$$\text{Effective Capacity Required} = \frac{46}{3.85} \approx 11.95 \text{ TiB}$$

However, this calculation represents the reduced physical capacity required on the array. Since the question asks for the total logical data size that will be stored on the array (including the overhead of metadata and other factors), we must consider the full logical size of the workload, which is 46 TiB × DRR = 177 TiB.

Thus, the SQL workload will take up 177 TiB of logical space on the array.

Key Points:

Data Reduction Ratio (DRR): Pure Storage arrays use advanced data reduction techniques like deduplication and compression to reduce the physical storage footprint. However, the logical size of the workload remains unchanged.

Logical vs. Physical Capacity: While the physical capacity required is reduced by the DRR, the logical size of the workload still consumes space in terms of logical addressing and metadata.

Reference: Pure Storage FlashArray//X Documentation: "Understanding Data Reduction and Capacity Planning"

Pure Storage Best Practices Guide: "Capacity Management and Workload Sizing"

Pure1 Support Portal: Knowledge Base Articles on DRR and Logical Capacity Calculation

2.A customer wishes to reduce the amount they spend on cloud storage from Azure public cloud. They have a cloud-first strategy and do not wish to own any additional capital assets. The applications data mainly consists of 100 TB of Database data.

Which product satisfies this requirement?

- A. Evergreen//Flex
- B. Evergreen//Forever

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Pure Storage FlashArray Architect Associate Sample Questions (Q20-Q25):

NEW QUESTION # 20

Which two statements describe Pure Storage's Right-Size Guarantee? (Select two.)

- A. The customer must complete a 6-month proof of concept.
- B. Evergreen/Foundation subscriptions are not eligible for guarantee.
- C. The Workload Mix cannot change by more than 20%.
- D. Capacity upgrades will extend the Right-Size Guarantee.

Answer: B,C

Explanation:

Pure Storage's Right-Size Guarantee ensures that customers can accurately predict their storage needs based on their workload characteristics. Here's an analysis of the statements:

Correct Statements:

B). Evergreen/Foundation subscriptions are not eligible for guarantee:

The Right-Size Guarantee applies only to specific subscription tiers, such as Evergreen/One and Evergreen/Forever.

Evergreen/Foundation, which is a lower-tier subscription, is not eligible for this guarantee.

C). The Workload Mix cannot change by more than 20%:

To maintain the accuracy of the Right-Size Guarantee, the customer's workload mix (e.g., database, VDI, file shares) must remain relatively stable. A significant change in the workload mix (greater than 20%) could invalidate the guarantee, as it affects data reduction ratios and capacity predictions.

Incorrect Statements:

A). The customer must complete a 6-month proof of concept:

A proof of concept is not required to qualify for the Right-Size Guarantee. Instead, the guarantee is based on the initial assessment of the workload and adherence to the terms.

D). Capacity upgrades will extend the Right-Size Guarantee:

Capacity upgrades do not automatically extend the Right-Size Guarantee. The guarantee is tied to the initial assessment and workload stability, not hardware upgrades.

Final Recommendation:

The correct answers are

B). Evergreen/Foundation subscriptions are not eligible for guarantee and C.

The Workload Mix cannot change by more than 20%.

Reference: Pure Storage Right-Size Guarantee Overview:

Pure Storage Right-Size Guarantee

Details the terms and conditions of the Right-Size Guarantee.

Evergreen Subscription Tiers:

Pure Storage Evergreen Subscriptions

Explains the differences between Evergreen subscription tiers.

NEW QUESTION # 21

A customer wants to have more insight into and control of their Pure Storage FlashArray and VMware environment from a single user interface.

What does the customer need to do to enable this capability in their environment?

- A. Ensure all VMware API for Array Integration (VAAI) primitives are enabled
- B. Install Pure Storage SRA for VMware Site Recovery Manager (SRM)
- C. Configure FlashArray Management Pack for vRealize Operations Manager
- D. Log in to the FlashArray GUI and install the plugin for vSphere Client

Answer: C

Explanation:

To gain more insight and control over their Pure Storage FlashArray and VMware environment from a single user interface, the

customer should configure the FlashArray Management Pack for vRealize Operations Manager (vROps).

Here's why:

Analysis of Options:

A). Ensure all VMware API for Array Integration (VAAI) primitives are enabled:

VAAI is a set of APIs that offloads storage tasks from the ESXi host to the storage array, improving performance and efficiency.

However, it does not provide a unified interface for managing both FlashArray and VMware environments.

B). Log in to the FlashArray GUI and install the plugin for vSphere Client:

While the FlashArray plugin for vSphere Client provides some integration, such as provisioning and monitoring FlashArray volumes directly from the vSphere Client, it does not offer comprehensive visibility and control over both environments from a single interface.

C). Configure FlashArray Management Pack for vRealize Operations Manager:

The FlashArray Management Pack for vROps integrates Pure Storage FlashArray with VMware vRealize Operations Manager, enabling centralized monitoring, analytics, and management of both environments from a single pane of glass.

This solution provides deep insights into storage performance, capacity utilization, and health metrics, making it the ideal choice for the customer's requirement.

D). Install Pure Storage SRA for VMware Site Recovery Manager (SRM):

The Pure Storage Storage Replication Adapter (SRA) is used for disaster recovery orchestration with VMware SRM. It does not provide a unified interface for managing FlashArray and VMware environments.

Recommendation:

The correct answer is C. Configure FlashArray Management Pack for vRealize Operations Manager, as it fulfills the customer's need for a single user interface to manage both FlashArray and VMware environments.

Reference: Pure Storage FlashArray Management Pack for vROps Documentation:

FlashArray Management Pack for vROps

Explains how to integrate FlashArray with vROps for unified monitoring and management.

Pure Storage VMware Integration Overview:

Pure Storage VMware Integration

Provides an overview of Pure Storage's VMware integration solutions.

NEW QUESTION # 22

Which two public cloud storage services are supported as offload targets for Purity CloudSnap? (Choose two.)

- A. Amazon AWS EBS
- B. Amazon AWS S3
- C. Azure Blob Storage
- D. IBM Object Storage

Answer: B,C

Explanation:

Purity CloudSnap is a feature of Pure Storage FlashArray that enables customers to offload snapshots to public cloud storage for long-term retention or disaster recovery purposes. To determine which public cloud storage services are supported as offload targets, let's analyze the options:

Analysis of Options:

A). Amazon AWS S3:

Amazon S3 (Simple Storage Service) is one of the most widely used object storage services in the public cloud.

Purity CloudSnap supports AWS S3 as an offload target, making it a valid choice.

B). IBM Object Storage:

IBM Object Storage is not currently supported as an offload target for Purity CloudSnap.

Pure Storage focuses on integration with major cloud providers like AWS and Azure.

C). Amazon AWS EBS:

Amazon EBS (Elastic Block Store) is a block storage service designed for use with EC2 instances.

However, CloudSnap does not support AWS EBS as an offload target because it is intended for object storage services like S3.

D). Azure Blob Storage:

Azure Blob Storage is Microsoft's object storage service, similar to AWS S3.

Purity CloudSnap supports Azure Blob Storage as an offload target, making it a valid choice.

Recommendation:

The correct answers are

A). Amazon AWS S3 and

D). Azure Blob Storage, as these are the supported public cloud storage services for CloudSnap.

Reference: Pure Storage CloudSnap Documentation:

CloudSnap Overview

Explains how CloudSnap integrates with public cloud storage services.

Supported Cloud Providers:

CloudSnap Supported Targets

Lists AWS S3 and Azure Blob Storage as supported offload targets.

NEW QUESTION # 23

After meeting with a potential customer, an SE confirmed the following details:

* The customer's current workload is 50 TB

* The workload has an expected DRR of 4:1

* The customer's data has predictable growth rate of 25% per year

* A 20% headroom for any unexpected workloads that may occur in the future When sizing this solution, the SE needs to make sure that the customer will have enough capacity to last 3 years.

Which raw capacity will meet these requirements?

- A. 30 TB
- B. 300 TB
- C. 225 TB
- D. 56 TB

Answer: C

Explanation:

To determine the raw capacity required to meet the customer's needs for 3 years, we need to account for the current workload, data reduction ratio (DRR), growth rate, and headroom.

Step-by-Step Calculation:

Current Logical Workload:

The customer's current workload is 50 TB.

Expected Growth Over 3 Years:

The workload grows at a predictable rate of 25% per year.

After 3 years, the logical workload will be:

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NEW QUESTION # 24

During a controller upgrade of a Pure Storage FlashArray, what aspect of array design ensures there will be no tangible impact on performance?

- A. Stateful controller architecture
- B. Active/passive controller front-ends ports
- C. Active/active controller architecture
- D. Primary/secondary controller architecture

Answer: C

Explanation:

During a controller upgrade of a Pure Storage FlashArray, the active/active controller architecture ensures there will be no tangible impact on performance. This design allows both controllers to handle I/O operations simultaneously, so even if one controller is being upgraded, the other can continue processing workloads without interruption.

Why This Matters:

Active/Active Architecture: In an active/active design, both controllers share the workload equally. If one controller is taken offline for maintenance or upgrades, the remaining controller seamlessly handles all I/O operations.

This ensures continuous availability and consistent performance during upgrades, minimizing downtime and user impact.

Why Not the Other Options?

B). Stateful controller architecture:

While stateful architectures maintain session information, they do not inherently ensure no performance impact during upgrades. The key factor here is the active/active design.

C). Active/passive controller front-end ports:

In an active/passive design, only one controller is actively handling I/O at any given time. If the active controller is upgraded, the passive controller must take over, which can lead to temporary performance degradation.

D). Primary/secondary controller architecture:

Similar to active/passive, this design relies on a primary controller for all operations, making it less resilient during upgrades compared to active/active.

Key Points:

Active/Active Design: Ensures continuous I/O processing during upgrades.

Seamless Upgrades: Minimizes performance impact and downtime for users.

High Availability: Maintains consistent performance and reliability throughout the upgrade process.

Reference: Pure Storage FlashArray Documentation: "Controller Upgrade Process and Best Practices" Pure Storage Whitepaper: "Active/Active Controller Architecture" Pure Storage Knowledge Base: "Minimizing Impact During Controller Upgrades"

NEW QUESTION # 25

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