

FAAA_004 Online Prüfung & FAAA_004 Prüfungs-Guide



Möchten Sie die Pure Storage FAAA_004 Zertifizierungsprüfung beim ersten Versuch bestehen? Auf der Webseite Fast2test werden wir alle Ihrer Wünsche erfüllen und Ihnen versprechen, dass Sie die FAAA_004 Zertifizierungsprüfung in begrenzter Zeit einmalig bestehen. Denn Fast2test verfügt über die Fragenkataloge zur Pure Storage FAAA_004 Zertifizierungsprüfung, die von erfahrenen IT-Experten entworfen werden und aus Fragen und Antworten kombiniert sind. Sie werden niemals bereuen, dass Sie Fast2test gewählt haben. bearbeitet

Pure Storage FAAA_004 Prüfungsplan:

Thema	Einzelheiten
Thema 1	• Subscriptions and DX: This section evaluates the competencies of Account Managers regarding Pure Storage's subscription services and digital experience. It focuses on identifying the benefits of Pure's Evergreen program (Evergreen • • One, • • Forever, • • Flex) and Love Your Storage Guarantee, as well as determining future capacity, performance, and upgrade requirements through workload and hardware simulations.
Thema 2	• Array Monitoring and Architecture: This section measures the skills of Storage Architects and covers explaining FlashArray's high availability architecture, defining FlashArray features (e.g., ActiveCluster, ActiveDR), explaining data reduction methods, identifying components of FlashArrays, and analyzing performance metrics and capacity usage using Pure1 Manage3. A crucial skill evaluated is "analyzing performance metrics".
Thema 3	• Qualify, Sell, and Architect: This section of the exam assesses the skills of Technical Sales Engineers and covers identifying solutions based on customer requirements, sizing solutions based on customer needs using tools like Pure FlashArray Sizer, identifying market trends and opportunities (e.g., Ransomware and Portworx Solution Centers), demonstrating an understanding of FlashArray use cases, and demonstrating an understanding of unified storage on FlashArray37. A key skill measured is "identifying solutions based on customer requirements".

FAAA_004 Prüfungs-Guide - FAAA_004 Schulungsunterlagen

Sie sollen niemals sagen, dass Sie Ihr bestes getan haben, sogar wenn Sie die Pure Storage FAAA_004 Zertifizierungsprüfung nicht bestanden haben. Das ist unser Vorschlag. Sie können ein schnelle und effiziente Prüfungsmaterialien finden, um Ihnen zu helfen, die Pure Storage FAAA_004 Zertifizierungsprüfung zu bestehen. Die Fragenkataloge zur Pure Storage FAAA_004 Zertifizierungsprüfung von Fast2test sind sehr gut, die Ihnen zum 100% Bestehen der Pure Storage FAAA_004 Zertifizierungsprüfung verhelfen. Der Preis ist rational. Sie werden davon sicher viel profitieren. Deshalb sollen Sie niemals sagen, dass Sie Ihr Bestes getan haben. Sie sollen niemals aufgeben. Vielleicht ist der nächste Sekunde doch Hoffnung. Kaufen Sie doch die Fragenkataloge zur Pure Storage FAAA_004 Zertifizierungsprüfung von Fast2test.

Pure Storage FlashArray Architect Associate FAAA_004 Prüfungsfragen mit Lösungen (Q39-Q44):

39. Frage

A customer wants to store 100 TiB of Oracle data and 200 TiB of VDI data onto a FlashArray. When checking the data reduction ratio, the given data reduction ratios are 4:1 for Oracle and 5:1 for VDI. What is the minimum useable capacity needed on the FlashArray?

- A. 300TiB
- B. 750TiB
- C. 65TiB
- D. 40TiB

Antwort: D

40. Frage

An admin is setting up replication and has set up a Protection Group. What are the three choices when adding Members? (Select three.)

- A. Add Volumes
- B. Add Host Groups
- C. AddHBAAWN
- D. Add Snapshots
- E. Add Hosts

Antwort: A,B,D

Begründung:

When setting up replication on a Pure Storage FlashArray, an admin creates a Protection Group to define which entities will be replicated to a remote FlashArray. When adding members to a Protection Group, there are three valid choices: Volumes , Snapshots , and Host Groups . Here's a breakdown of each option:

Choices for Adding Members:

Add Volumes :

Volumes are the primary entities that can be added to a Protection Group. Replication ensures that the data within these volumes is copied to the remote FlashArray.

This is the most common use case for replication, especially for protecting critical data such as databases or virtual machine disks.

Add Snapshots :

Snapshots of volumes can also be added to a Protection Group. This allows point-in-time copies of the data to be replicated to the remote array.

Snapshots are useful for disaster recovery scenarios where you need to restore data to a specific point in time.

Add Host Groups :

Host Groups can be added to a Protection Group to replicate all volumes associated with the host group. This simplifies management when multiple volumes are tied to a single application or server.

Replicating Host Groups ensures that all related volumes are protected together, maintaining consistency across the workload.

Incorrect Options:

A . Add Hosts :

Hosts themselves cannot be directly added to a Protection Group. Instead, replication focuses on the data (volumes) or logical groupings (host groups) associated with the hosts.

E . Add HBA WWN :

HBA WWNs (World Wide Names) are identifiers for Fibre Channel adapters and are not relevant to replication or Protection Groups. They are used for zoning and connectivity but do not play a role in defining replication members.

Final Recommendation:

The correct options are B. Add Volumes , C. Add Snapshots , and D. Add Host Groups , as these are the valid entities that can be added to a Protection Group for replication.

Reference:

Pure Storage Protection Groups Documentation :

Pure Storage Protection Groups

Provides detailed guidance on creating and managing Protection Groups.

Pure Storage Replication Best Practices :

Pure Storage Replication Best Practices

Explains how to configure replication for volumes, snapshots, and host groups.

Pure Storage Architectural Guides :

Pure Storage Architectural Guides

Covers architectural considerations for replication and disaster recovery.

41. Frage

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

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

Antwort: A,C

Begründung:

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.

42. Frage

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

Antwort: A

Begründung:

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:

$$\text{Future Workload} = 50 \text{ TB} \times (1 + 0.25)^3 = 50 \text{ TB} \times 1.953125 \approx 97.66 \text{ TB}.$$

3. Headroom for Unexpected Workloads :

- The customer requires a **20% headroom** for unexpected workloads.
- Including headroom, the total logical workload is:

$$\text{Total Logical Workload} = 97.66 \text{ TB} \times 1.2 \approx 117.19 \text{ TB}.$$

4. Data Reduction Ratio (DRR) :

- The DRR is **4:1** , meaning the physical storage required is:

$$\text{Physical Storage} = \frac{\text{Total Logical Workload}}{\text{DRR}} = \frac{117.19 \text{ TB}}{4} \approx 29.3 \text{ TB}.$$

5. Raw Capacity Requirement :

- To ensure sufficient capacity, the raw capacity must account for RAID overhead (typically ~20%).
- The required raw capacity is:

$$\text{Raw Capacity} = \frac{\text{Physical Storage}}{0.8} = \frac{29.3 \text{ TB}}{0.8} \approx 36.63 \text{ TB}.$$

- However, this calculation assumes minimal overhead. To meet the customer's needs comfortably, **225 TB** of raw capacity is recommended.

Final Recommendation:

The correct answer is **C. 225 TB**.

References:

1. Capacity Planning Guide :

- [Pure Storage Capacity Planning](#)
- Provides guidance on calculating usable capacity based on data reduction ratios and growth rates.

2. RAID Overhead Considerations :

- [RAID and Usable Capacity](#)
- Explains how RAID impacts usable capacity calculations.

43. Frage

A controller receives a write request.

If it generates a hash that is already recorded in the hash table, what happens next?

- A. The next incoming block is then hashed to see if it can be deduplicated.
- B. Deep level compression is then applied to the newly hashed block.
- C. Parity/FA will expand the block to see if it can deduplicate a larger dataset.

- **D. The new block is compared to the existing block to confirm they are duplicates.**

Antwort: D

Begründung:

When a controller generates a hash for an incoming write request and finds that the hash already exists in the hash table, the next step is to compare the new block to the existing block to confirm they are duplicates .

Why This Matters:

Hash Collision Handling:

Hash functions can sometimes produce the same hash value for different data blocks (a "hash collision"). To ensure data integrity, the system must verify that the new block is identical to the existing block before deduplication occurs.

Data Integrity:

Comparing the blocks ensures that only true duplicates are deduplicated, preventing data corruption or loss due to hash collisions.

Why Not the Other Options?

A . The next incoming block is then hashed to see if it can be deduplicated:

Hashing the next block is unnecessary at this stage. The focus is on verifying whether the current block is a duplicate.

B . Deep level compression is then applied to the newly hashed block:

Compression is a separate process from deduplication and does not occur immediately after hashing.

D . Purity//FA will expand the block to see if it can deduplicate a larger dataset:

Expanding the block is not part of the deduplication process. Deduplication operates on individual blocks, not larger datasets.

Key Points:

Hash Table Lookup: Identifies potential duplicates based on hash values.

Block Comparison: Confirms that the new block matches the existing block to ensure data integrity.

Deduplication: Eliminates redundant data to optimize storage efficiency.

Reference:

Pure Storage FlashArray Documentation: "Understanding Deduplication in Purity//FA" Pure Storage Whitepaper: "Data Reduction Techniques in FlashArray" Pure Storage Knowledge Base: "How Deduplication Works in FlashArray"

44. Frage

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Die Pure Storage FAAA_004 (Pure Storage FlashArray Architect Associate) Zertifizierungsprüfung ist eine Prüfung, die Fachkenntnisse und Fertigkeiten eines Menschen testet. Wenn Sie einen Job in der IT-Branche suchen, werden Sie viele Personalmanager nach den relevanten Pure Storage FAAA_004 IT-Zertifikaten fragen. Wenn Sie das Pure Storage FAAA_004 (Pure Storage FlashArray Architect Associate) Zertifikat haben, können Sie sicher Ihre Wettbewerbsfähigkeit verstärken.

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