

Latest Pure Storage FAAA_004 Exam Pdf, Learning FAAA_004 Materials



DOWNLOAD the newest PassTorrent FAAA_004 PDF dumps from Cloud Storage for free: <https://drive.google.com/open?id=1LhH4LjOrbbO4mtQolje51jRkF0MTIDvW>

Do you always feel that your gains are not proportional to your efforts without valid FAAA_004 study torrent? Do you feel that you always suffer from procrastination and cannot make full use of your sporadic time? If your answer is absolutely yes, then we would like to suggest you to try our FAAA_004 Training Materials, which are high quality and efficiency FAAA_004 test tools. Your success is 100% ensured to pass the FAAA_004 exam and acquire the dreaming certification which will enable you to reach for more opportunities to higher incomes or better enterprises.

Pure Storage FAAA_004 Exam Syllabus Topics:

Topic	Details
Topic 1	• 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."
Topic 2	• 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.

Topic 3	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".
---------	--

>> Latest Pure Storage FAAA_004 Exam Pdf <<

Study Your Pure Storage FAAA_004 Exam with The Best Pure Storage Latest FAAA_004 Exam Pdf Easily

Many people don't get success because of using Pure Storage FlashArray Architect Associate (FAAA_004) invalid practice material. Usage of an expired Pure Storage FlashArray Architect Associate (FAAA_004) material leads to failure and loss of time and money. To save you from these losses, PassTorrent has a collection of actual and updated FAAA_004 Exam Questions. These Pure Storage FAAA_004 practice questions will aid you in acing the test on the first attempt within a few days. This Pure Storage FlashArray Architect Associate (FAAA_004) exam dumps has been made under the expert guidance of thousands of professionals from various countries.

Pure Storage FlashArray Architect Associate Sample Questions (Q33-Q38):

NEW QUESTION # 33

Refer to the exhibit.



A customer is experiencing latency in the VMware environment connected to this array. What should the SE recommend?

- A. Upgrade the controllers
- B. Check the ESXi host
- C. Add DirectFlash Modules as the system is disk bound
- D. Add network cards to alleviate network congestion

Answer: B

Explanation:

The exhibit shows latency in the VMware environment connected to the FlashArray. When troubleshooting latency issues in a VMware environment, the first step is to identify whether the issue originates from the storage array, the network, or the ESXi host. In this case, the SE should recommend checking the ESXi host, as it is often the source of latency problems in VMware environments.

Why This Matters:

ESXi Host Issues:

The ESXi host could be experiencing resource contention (e.g., CPU, memory, or network bottlenecks) or misconfigurations (e.g., improper queue depth settings or multipathing policies).

High latency on the ESXi host can impact the performance of virtual machines and appear as storage latency, even if the FlashArray itself is functioning optimally.

Why Not the Other Options?

A. Add DirectFlash Modules as the system is disk bound:

Pure Storage FlashArray uses DirectFlash Modules, which are NVMe-based and provide extremely low latency. If the array were disk-bound, it would indicate a hardware limitation, but this is unlikely with FlashArray's architecture. The issue is more likely related to the ESXi host or network.

B. Upgrade the controllers:

Controller upgrades are typically unnecessary unless the array is nearing its performance limits. Since the exhibit does not indicate any signs of controller saturation, this is not the correct recommendation.

C . Add network cards to alleviate network congestion:

While network congestion can cause latency, the issue is more likely related to the ESXi host configuration. Adding network cards should only be considered after confirming network bottlenecks through diagnostics.

Key Points:

ESXi Host Diagnostics: Start by checking the ESXi host for resource contention, misconfigurations, or improper settings.

Storage Array Health: Verify that the FlashArray is not experiencing any performance issues (e.g., high queue depths or latency).

Network Analysis: Only after ruling out the ESXi host and storage array should network-related issues be investigated.

Reference:

Pure Storage FlashArray Documentation: "Troubleshooting Latency in VMware Environments" VMware Best Practices Guide:

"Optimizing ESXi Host Performance" Pure Storage Knowledge Base: "Diagnosing and Resolving Latency Issues"

NEW QUESTION # 34

What does Pure Storage's Right-Size Guarantee promise?

- A. The effective capacity of the FlashArray
- B. The customer's Total Efficiency Ratio
- C. The performance of the FlashArray model
- D. The Data Reduction Rate by workload

Answer: A

NEW QUESTION # 35

An existing customer wants a new set of arrays with the following characteristics:

* Business critical workload that requires sub millisecond response times

* Synchronous replication configured to their secondary site

* Offload snapshots to a third location where they do not have a FlashArray Which solution will meet the customer's needs?

FlashArray//Xs with ActiveDR and CloudSnap

- A. FlashArray//Cs with ActiveDR and Snapshot Replication
- B. FlashArray//Xs with ActiveCluster and CloudSnap
- C. FlashArray//Cs with ActiveCluster and Snapshot Replication

Answer: B

Explanation:

The customer has the following requirements:

Business-critical workload that requires sub-millisecond response times Synchronous replication configured to their secondary site

Offload snapshots to a third location where they do not have a FlashArray The best solution to meet these needs is FlashArray//Xs with ActiveCluster and CloudSnap .

Why This Matters:

FlashArray//Xs:

FlashArray//X is optimized for high-performance workloads , delivering sub-millisecond response times required for business-critical applications.

ActiveCluster:

ActiveCluster provides synchronous replication between two sites within a stretched cluster, ensuring zero RPO and near-zero RTO for high availability.

CloudSnap:

CloudSnap offloads snapshots to cloud storage (e.g., AWS S3 or Azure Blob), enabling disaster recovery or archival at a third location without requiring an additional FlashArray.

Why Not the Other Options?

B . FlashArray//Cs with ActiveDR and Snapshot Replication:

FlashArray//C is designed for capacity-optimized workloads and does not provide the sub-millisecond response times required for business-critical applications.

ActiveDR provides asynchronous replication, which does not meet the requirement for synchronous replication.

C . FlashArray//Cs with ActiveCluster and Snapshot Replication:

Again, FlashArray//C is not suitable for sub-millisecond response times. Additionally, snapshot replication to a third location is less efficient than CloudSnap for offloading data to the cloud.

Key Points:

FlashArray//Xs: Delivers the high performance required for business-critical workloads.

ActiveCluster: Ensures synchronous replication for high availability across two sites.

CloudSnap: Provides cost-effective offsite protection by offloading snapshots to the cloud.

Reference:

Pure Storage FlashArray Documentation: "ActiveCluster with CloudSnap"

Pure Storage Whitepaper: "Disaster Recovery Strategies with FlashArray" Pure Storage Knowledge Base: "Using Protection Groups in Stretched Pods"

NEW QUESTION # 36

A Storage Administrator has two //X50R3 FlashArrays. The two FlashArrays are located in different data centers with a network link between them. The ethernet link between data centers has a latency of 35 ms.

Which Purity feature will provide protection against a site failure with the lowest recovery point?

- A. ActiveCluster
- B. Local snapshots
- C. ActiveDR
- D. Snapshot replication

Answer: C

Explanation:

Given that the two FlashArrays are located in different data centers with a network link latency of 35 ms, the best Purity feature to provide protection against a site failure with the lowest recovery point is ActiveDR.

Why This Matters:

ActiveDR:

ActiveDR is an asynchronous replication solution designed for disaster recovery scenarios where the secondary site may be geographically distant (e.g., >10 ms latency).

It provides low RPOs (typically seconds to minutes) and supports fast failover and failback capabilities, ensuring minimal data loss and downtime.

With a 35 ms latency between sites, synchronous replication (e.g., ActiveCluster) is not feasible due to the high latency impacting performance.

Why Not the Other Options?

A . ActiveCluster:

ActiveCluster requires synchronous replication, which is only suitable for sites within a low-latency range (<10 ms). At 35 ms latency, ActiveCluster would cause significant performance degradation.

C . Snapshot replication:

Snapshot replication is asynchronous but does not provide the same level of failover and failback capabilities as ActiveDR. It is better suited for backup purposes rather than disaster recovery with low RPOs.

D . Local snapshots:

Local snapshots are useful for point-in-time recovery within a single array but do not protect against site failures.

Key Points:

ActiveDR: Ideal for asynchronous replication with low RPOs and fast failover/failback.

Latency Considerations: ActiveDR supports higher latencies (e.g., 35 ms) 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 # 37

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

Answer: A

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:

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



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.

NEW QUESTION # 38

.....

We will continue to pursue our passion for better performance and human-centric technology of latest FAAA_004 quiz prep. And we guarantee you to pass the exam for we have confidence to make it with our technological strength. A good deal of researches has been made to figure out how to help different kinds of candidates to get the FAAA_004 certification. We have made classification to those faced with various difficulties, aiming at which we adopt corresponding methods to deal with. According to the statistics shown in the feedback chart, the general pass rate for Latest FAAA_004 Test Prep is 98%, which is far beyond that of others in this field. In recent years, our FAAA_004 exam guide has been well received and have reached 99% pass rate with all our dedication. As one of the most authoritative question bank in the world, our study materials make assurance for your passing the FAAA_004 exam.

[illegible]

2025 Latest PassTorrent FAAA_004 PDF Dumps and FAAA_004 Exam Engine Free Share: <https://drive.google.com/open?id=1LhH4LjOrbbO4mtQolje51jRkF0MTIDvW>