

HPE0-J58.VCEplus.premium.exam.60q

Number: HPE0-J58
Passing Score: 800
Time Limit: 120 min
File Version: 1.0



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HPE0-J58

Designing Multi-Site HPE Storage Solutions



Version 1.0

Exam A

QUESTION 1 A startup company is considering an HPE Nimble solution. They have a small IT budget, and they need to be future-proof for changing performance requirements. How does the Nimble architecture meet the company needs? (Select two.)

- A. native support for block and file services
- B. minimal downtime technology refresh
- C. Support for FCoE
- D. non-disruptive technology refresh
- E. ability to mix-and-match All flash and hybrid nodes

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

You are designing an HPE 3PAR replication solution for a customer in a metropolitan area that includes two main sites and a third disaster recovery site. The main sites will be in synchronous replication. The disaster recovery site can be asynchronously replicated.

What are two points you should highlight to the customer? (Select two.)

- A. Tertiary site volume paths are active/read only
- B. Quorum Witness at the third site enables automatic failover to tertiary site
- C. Secondary site volumes paths are active/optimized read/write
- D. Quorum Witness at the third site enables automatic failover to the secondary siteE. Primary site volumes paths are standby read/write

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

A customer has an HPE Nimble Storage array. They plan to add a second HPE Nimble Storage array to their existing group. What is the expected write behavior to a volume once the new array is added to the same pool as the existing array?

- A. Data will be written to the new array until it is the same percent full as the original array
- B. Data will immediately start to alternate writes between the two arrays
- C. Data will continue to write to the first array until there is 40% free space available, and then alternate writes between the two arraysD. Data will be stripped and automatically re-balanced across the two arrays

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

A customer has three 4-node HPE 3PAR arrays. Two of the arrays are deployed at a primary site, and the third array is deployed at a disaster recovery site. Both arrays at the primary site are replicated to the single array at the disaster recovery site.

All replication is asynchronous periodic. All arrays are utilizing 4 RCIP links for replication.

The customer needs to add a third array at the primary site. They would like to use the existing array at the disaster recovery site as a replication target for this additional array. What must the architect consider to meet this customer requirement?

- A. A single pair of RCIP ports on one array can have a Remote Copy relationship with up to two other arrays
- B. Remote Copy fan-in ratios of greater than 2:1 are only supported with RCIP when using 10 Gb Ethernet links

- C. Arrays involved in a Remote Copy relationship must have the same number of node pairs
- D. Asynchronous streaming replication must be used for Remote Copy fan-in ratios greater than 2:1

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

A customer needs to setup specific replication bandwidth requirements to limit the bandwidth between HPE Nimble Storage replication partners, which is different than the bandwidth requirements to another Replication Partner. Which Bandwidth parameter should the customer use?

- A. Array-to-array Limit
- B. Per-partner limit
- C. Partner Maximum limit
- D. Overall limit policy

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6 You have chosen to utilize HPE 3PAR synchronous replication in order to meet the customer stated requirement of RPO=0. What is a key consideration you need to explain to the customer?

- A. Host write latencies will decrease
- B. Host write latencies will increase
- C. Host writes can be committed to either primary or backup storage before host acknowledgment
- D. RC sync can only be deployed over FC links

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00057870en_us&docLocale=en_US(p.17)

QUESTION 7

You are proposing a replication solution to a customer. A competitor offers a solution based on storage virtualization appliances. What should you stress about an HPE 3PAR replication solution in regard to the competitor's proposal?

- A. It will add on-the-fly encryption and compression to data being replicated outside the customer's DC
- B. It means less overhead for management and monitoring
- C. It offers best-in-class backup and restore capabilities
- D. It offers superior virtualization of 3rd party storage arrays

Correct Answer: B

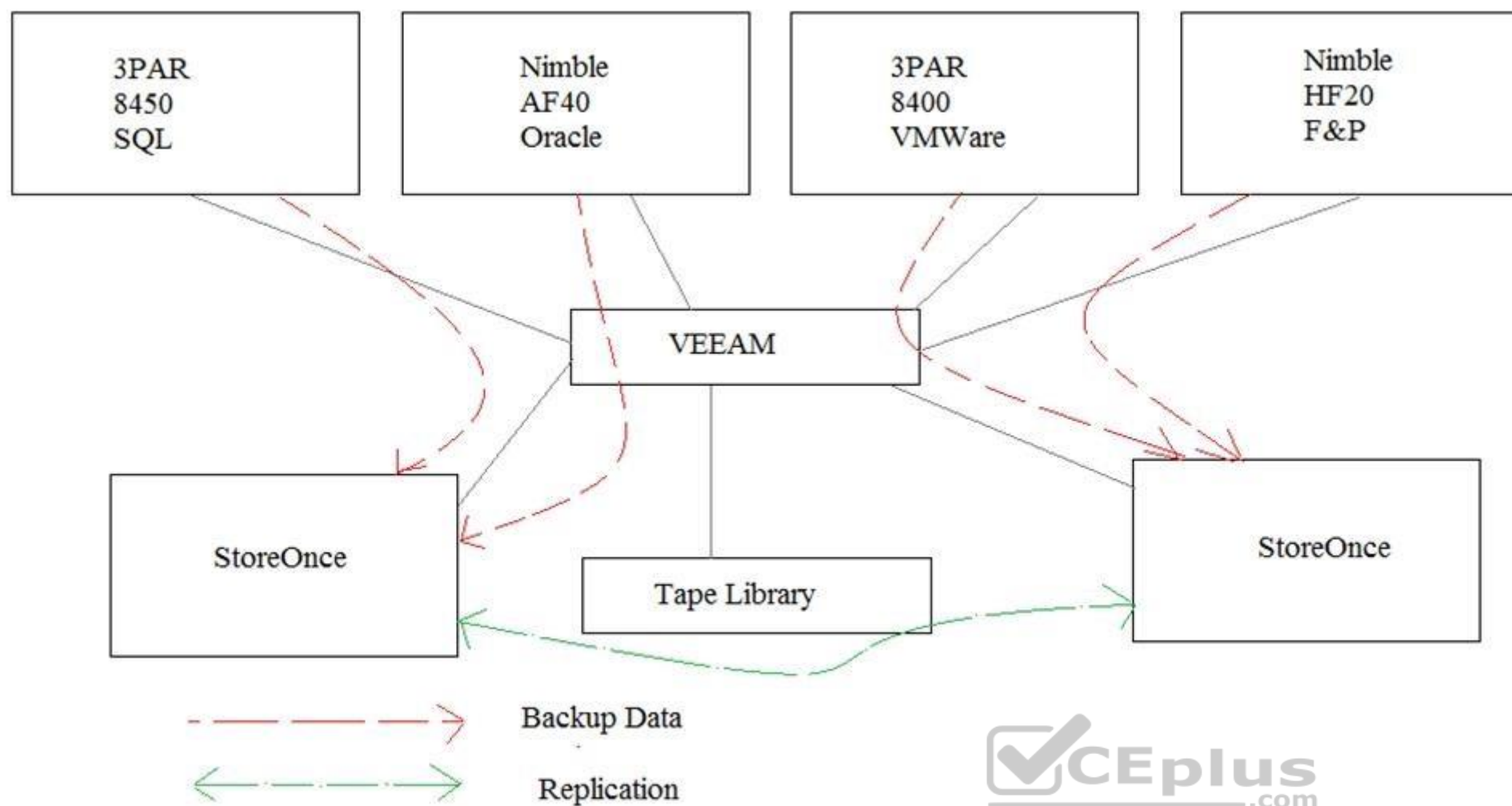
Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

Refer to the exhibit.



A customer has the environment shown. They currently perform application-consistent daily full backups via Veeam backup to an HPE StoreOnce device. These backups are then replicated to an alternate device using Catalyst copy. Changing business requirements have mandated the RPO and RTO for the customer's SQL databases be reduced to 15 minutes. Due to the size of the databases, it is not possible to meet this requirement with their existing backout application.

What should you recommend the customer implement in order to meet their new requirement?

- A. HPE 3PAR Remote Copy in Synchronous Mode
- B. HPE RMC Express Protect
- C. SPE StoreOnce Cloud Bank
- D. HPE 3PAR Remote Copy in Asynchronous Streaming Mode

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9 Which advantage is provided by HPE 3PAR Remote Copy across all replication modes?

- A. support of all Remote Copy topologies
- B. automatic recovery of array failure independent of Remote copy topology
- C. Remote Copy support up to 100ms latency over all transport layers
- D. all Remote Copy topologies yield identical RPO and RTO

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://manuals.directutor.com/3COM/4AA6-2851ENW/index.html?page=9>

QUESTION 10

DRAG DROP

Click and drag the steps on the left into the appropriate order on the right to set up an HPE 3PAR array in InfoSight.

Select and Place:

Correct Answer:

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.slideshare.net/CalvinZito/hpe-hpe-infosight-for-3par-quickstart-v14>

QUESTION 11

A customer has started to load their HPE 3PAR 8450 with data, but are not sure what data reduction they are achieving. They ask you to run analysis and estimate the deduplication ratio of data currently on a virtual volume (VV). Which CLI command should you use to understand data reduction ratios?

- A. showvv
- B. tunevv
- C. convertvv
- D. checkvv



Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://manualzz.com/doc/34471724/hpe-3par-adaptive-data-reduction>

QUESTION 12

A customer needs to new storage solution, including replication. The replication solution does not need to provide an RTO or RPO of zero. The customer suffers from severe VM sprawl and has experienced unidentified storage service-level degradations. What should you point out during your presentation of the solution?

- A. Hardware-assisted parity generation and deduplication mitigate the changing performance requirements
- B. VMs are always individually visible to the array with automatic enablement of VVOL technology
- C. InfoSight and VM details would help in identifying misbehaving VMs putting a high load on the array
- D. When a storage system is being overloaded, the replication software will automatically move the workload

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

A customer has HPE B-series switches and is not interested in Extended Fabric licenses for edge switches. They have sites over 10km apart. Which SAN extension technology should you recommend?

- A. FC over DWDM
- B. FC over CWDM
- C. FCoE
- D. FCIP

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://h20195.www2.hpe.com/v2/GetPDF.aspx/c04499584.pdf>

QUESTION 14

How does the HPE Nimble Storage product strategy support a customer's investment protection requirements for today and the future?

- A. by supporting replication with arrays from other vendors
- B. by supporting the implementation of third party cache, spinning media, and flash media
- C. by supporting replication between current and previous-generation array models
- D. by supporting the repurposing of obsolete array controllers as high-density servers

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

A customer has a pair of HPE 3PAR arrays with Synchronous Replication enabled. They need recommendations for deploying the Quorum Witness when implementing Peer Persistence. What should you recommend to the customer?

- A. The Quorum Witness should be in the secondary data center, with IP connectivity to the HPE 3PAR there
- B. The Quorum Witness should be in a third data center, with FC connectivity to both HPE 3PARs
- C. The Quorum Witness should be in the primary data center, with FC connectivity to the HPE 3PAR there
- D. The Quorum Witness should be in a third data center, with IP connectivity to both HPE 3PARs

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://h20195.www2.hpe.com/v2/GetPDF.aspx/4AA5-8914ENW.pdf>

QUESTION 16

A customer has recently acquired another company that is located less than 3 km from their current main location. Both locations use HPE B-Series products in their storage environment. The customer needs to merge the 2 locations together while still using the current WAN and networking infrastructure at both locations. They need to keep their initial cost down until they are able to redesign both networking infrastructures. Which protocol should be incorporated when providing a proposal to meet the customer needs?

- A. iSCSI
- B. CWDM
- C. DWDM
- D. FCIP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

Refer to the exhibit, which reflects the Bill of Materials (BOM) configuration for one datacenter.

Qty	Product#		Product Description
2	QW937A		HPE SN3000B 16Gb 24-port/12-port Active Fibre Channel Switch
2	QW937A	05Y	2.4m Jumper (IEC320 C13/C14, M/F CEE 22)
24	QK724A		HPE B-series 16Gb SFP+Short Wave Transceiver
24	QK724A	0D1	Factory Integrated
1	H6Z07B		HPE 3PAR 8440 2N+SW Storage Field Base
2	H6Z00A		HPE 3PAR StoreServ 8000 4-port 16Gb Fibre Channel Adapter
8	K2P93B		HPE 3PAR 8000 1.2TB+SW 10K SFF HDD
8	M0T66B		HPE 3PAR 8000 3.84TB+SW SFF FE SSD
3	E7Y71A		HPE 3PAR StoreServ 8000 SFF(2.5in) Field Integrated SAS Drive Enclosure
24	K2P93B		HPE 3PAR 8000 1.2TB+SW 10K SFF HDD
24	M0T66B		HPE 3PAR 8000 3.84TB+SW SFF FE SSD
4	QK734A		HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 5m Cable
2	Q9Y41AAE		HPE Smart Fabric Orchestrator E-LTU
24	QK735A		HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 15m Cable
1	L7E71AAE		HPE 3PAR 8440 All-inc Multi-sys SW E-LTU
1	L7F20AAE		HPE 3PAR All-in S-sys SW Current E-Media
1	L7F22AAE		HPE 3PAR All-in M-sys SW Current E-Media

A customer needs a new storage solution of two HPE 3PAR 8440 arrays. The customer's environment consists of eight physical servers in each data center attached to the SAN and one StoreOnce 3540 system with two FC I/O cards. The distance between data centers is less than 75 meters. What should you add the BOM to meet the customer needs?

- A. one HPE 25m Mini SAS High Density Active Optical Cable for each HPE 3PAR 8440
- B. one HPR 3PAR StoreServ AC RPS Service Processor
- C. one HPE 3PAR StoreServ 8000 Direct Connect Cabling Option for Drive Enclosure for each HPE 3PAR 8440D. one HPE SN3000B SAN Switch 12-port Upgrade E-LTU per switch, appropriate number of SFPs and cables

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

A customer has two sites within a short distance. They require a primary storage solution which supports automatic failover for their block storage, SMB shares, and NFS home directories. Which HPE solution best fits the customer's requirements?

- A. HPE 3PAR
- B. HPE Nimble
- C. HPE Simplivity
- D. HPE StoreOnce

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

A customer needs to upgrade their existing HPE 3PAR environment. They ask you to present a solution to gather data from all 200 of their HPE 3PARs arrays, which are spread across the globe. The arrays consist of various generations and OS levels, and they are managed by regional instances of SSMC. What should you present to the customer as a solution?

- A. using an HPE 3PAR CLI script with the checkupgrade command
- B. using a script based on the HPE 3PAR Web Services API
- C. using the upgrade report tool in HPE InfoSight
- D. using the SSMC array configuration reports

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://support.hpe.com/hpsc/doc/public/display?docId=c05243943>

QUESTION 20

A customer has an aging Fibre Channel SAN from one vendor and a separate iSCSI SAN from another vendor. The customer wants to upgrade to a single vendor that will allow them to manage the SAN through a single vendor management console.

Which solution should you recommend?

- A. one HPE Nimble iSCSI group federated to an HPE 3PAR for Fibre Channel
- B. one HPE Nimble Storage Fibre Channel Group and one HPE Nimble Storage iSCSI Group
- C. one HPE Nimble Fibre Channel group federated to an HPE 3PAR for iSCSI
- D. one HPE Nimble Storage Group that has a Fibre Channel port and a iSCSI pool

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

A customer with an existing StoreOnce 5100 appliance needs guidance on determining long-term expected growth of the storage utilization based on actual usage. However, the customer's ISV backup software only shows 30 days of historical data.

Which step should be performed to check the StoreOnce 5100 for best practices and allow for growth planning?

- A. Run the DD Analyzer Sizing Tool
- B. Run the HPE Storage Sizer tool
- C. Perform an HPE NinjaProtected+ assessment
- D. Register StoreOnce 5100 in the InfoSight portal

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

A customer needs a new replication solution that makes use of capacity efficiency technologies, even though data is being replicated to another array. You have been developing a solution that includes two HPE 3PAR arrays. What should you emphasize in your proposal?

- A. The arrays share deduplication hash tables, and the target array only needs to compress the replicated data from the source array
- B. Compression technologies increase the effective bandwidth being available for replication and disaster recovery



C. Thin Technologies, deduplication, and compression can be used on both sides with volumes in Remote Copy groupsD. The data being replicated will travel the connection between the arrays fully compressed and deduplicated

Correct Answer: D

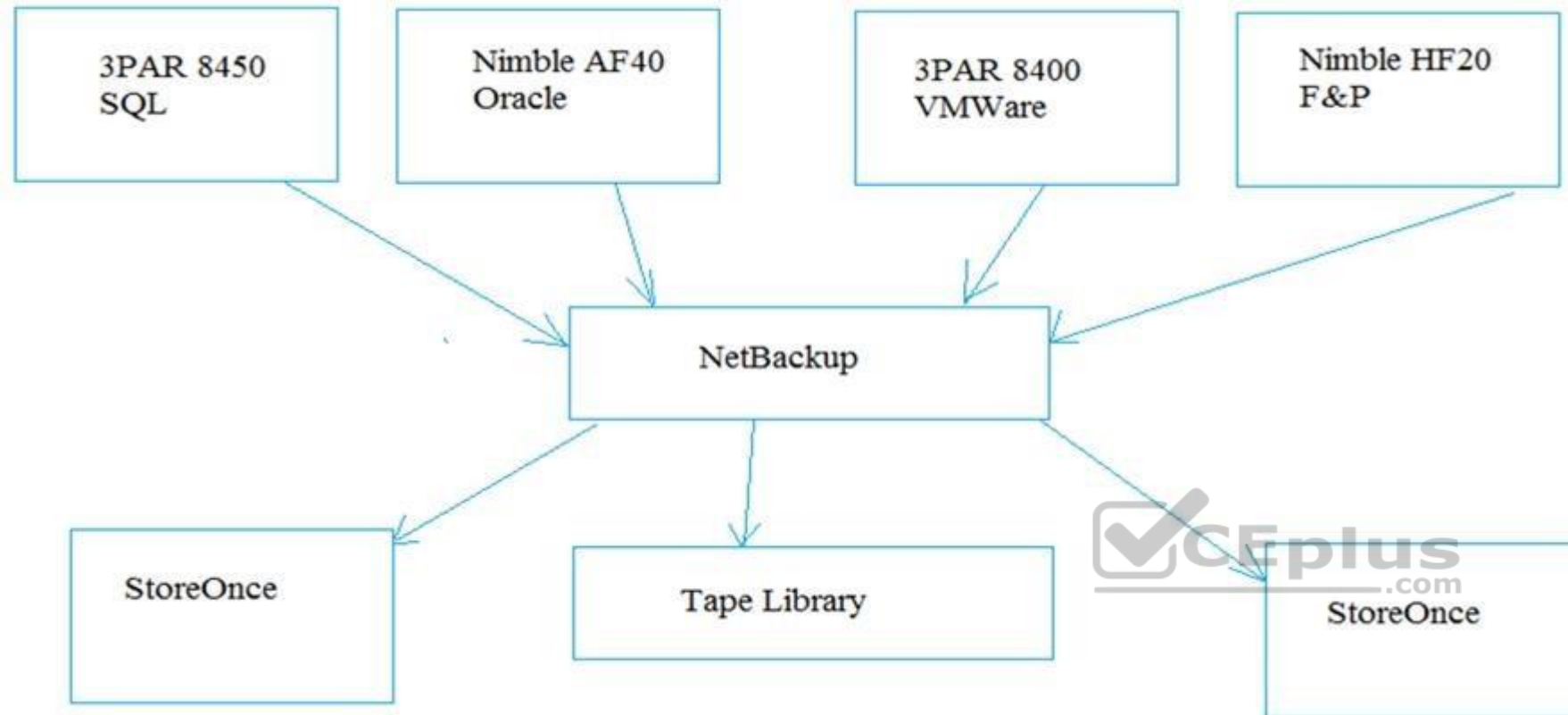
Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

Refer to the exhibit. A customer is looking to replace the backup environment shown. Which HPE Storage Tool should you use to assess their backup environment?



- A. HPE NinjaProtected+
- B. HPE Storage Sizer
- C. HPE NinjaCrawler
- D. DD Analyzer

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://uk.cdw.com/about/partners/protecting-data-growth-hpe-ninjaprotected-backup-assessments/>

QUESTION 24

A customer experiences a performance issues and blames the HPE 3PAR array. However, you suspect it is caused by a noisy neighbor situation in the VMware environment. Which approach should you use to find and prove a root cause?

- A. Use Brocade Network Advisor to gather data for analysis
- B. Use the advanced performance reports in SSMC
- C. Use HPE SAF Collect to gather data for SAF Analyze
- D. Use HPE InfoSight Cross Stack Analytics

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

A customer is experiencing high utilization on their VMware ESXi server NICs when they backup virtual machines stored on an HPE 3PAR 8200. Which technology is available on a StoreOnce VSA to reduce the network utilization?

- A. Catalyst target-side deduplication
- B. Transportable shadow copies
- C. Backup from storage snapshots
- D. Adaptive Data Reduction

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

A customer requires an all-flash solution that will scale out, with multiple arrays for replication. The customer also needs the solution to provide more data per terabyte of flash storage than competing solutions. Which HPE program should you leverage in your solution to help meet the customer's requirements?

- A. HPE Store More Guarantee
- B. HPE Nimble Timeless Storage
- C. HPE Get Thin Guarantee
- D. HPE Get 6-Nines Guarantee



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.hpe.com/emea_europe/en/storage/nimble.html

QUESTION 27

A customer needs to analyze performance and capacity of their storage environment. Their environment consists of HPE 3PAR, EMC VNX, and Pure Systems. Which tool should you use to begin your assessment of their environment?

- A. HPE Infosight
- B. DD Analyzer
- C. NinjaCrawler
- D. SAF Collect

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

A customer has a requirement to provide Disaster Recovery for an application that is very sensitive to IO latency.

The customer has specified an RPO of less than 3 minutes for this application.

How can HPE 3PAR Remote Copy help meet the customers specified requirements?

- A. by using Asynchronous Streaming Replication
- B. by using Synchronous Replication
- C. by using Synchronous Long Distance Mode
- D. by using Periodic Asynchronous Replication with an interval of 3 mins

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

A customer has two sites. The link between sites is Fibre Channel, and the distance between sites is less than 1km. The link latencies are within HPE recommended tolerances. The customer asks you to design a Peer Persistent solution using HPE servers running physical Windows 2016 servers and HPE 3PAR storage. What are characteristics of the Quorum Witness? (Select two.)

- A. A virtual implementation of the Peer Persistence Quorum Witness is required on a third site
- B. A Peer Persistence Quorum Witness is required for normal HPE 3PAR Peer Persistence operation
- C. The Quorum Witness initiates the fail-over, passing control to the standby array
- D. A physical implementation of the Peer Persistence Quorum Witness is required on a third siteE. Quorum Witness becomes relevant only during 3PAR Peer Persistence failover

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

You want to use FCAP authentication in an environment with FOS 7.3 running switches with no extra licenses. What should you do to use this feature?

- A. Switches must be upgraded to FOS 7.4 or higher
- B. Certificates must be obtained from Brocade
- C. A Secure Fabric license must be added to all switches in the fabric
- D. Certificates must be obtained from a third-party vendor

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

A customer has standardized on Windows Server. They need to ensure that application and storage will move between sites as one during automated or manual failover. Which HPE 3PAR integrated solution should you recommend to the customer as a preventative measure?

- A. Peer Persistence
- B. Serviceguard Metrocluster
- C. Cluster Extension (CLX)
- D. Site Recovery Manager

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: [https://tdhpe.techdata.eu/Documents/TDAS-Integrated%20Systems/Technical%20White%20Paper HPE%20ConvergedSystem%20700.pdf?epslanguage=en](https://tdhpe.techdata.eu/Documents/TDAS-Integrated%20Systems/Technical%20White%20Paper%20HPE%20ConvergedSystem%20700.pdf?epslanguage=en)

QUESTION 32

A customer has a requirement to provide disaster recovery for an application. The application has an RPO of 30 mins, with an RTO of 15 mins. How can HPE 3PAR Remote Copy help meet the customer's specified requirements in the most cost effective manner?

- A. by using Periodic Asynchronous Replication with an interval of 15 mins
- B. by using Synchronous Long Distance Mode
- C. by using Synchronous Replication
- D. by using Streaming Asynchronous replication with an interval of 15 mins

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33

A customer has two data centers in a metropolitan area. The link between the data centers is IP-based and satisfies the bandwidth and latency requirements. They have the following requirements:

- Transparently and automatically failover and fall back between sites
- Provide block and file access
- Block access must provide connectivity for fibre channel and iSCSi hosts
- All-Flash storage solution

You plan to propose a design based on HPE 3PAR storage arrays.

What would be the most cost-effective model that meets the customer needs?

- A. HPE 3PAR 9450
- B. HPE 3PAR 20850
- C. HPE 3PAR 20450
- D. HPE 3PAR 8450

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34

A customer needs to replicate the data on their HPE 3PAR arrays between their datacenters. Their datacenters are 250km apart. The link between the sites has an RTO of 100 ms, and they have an RPO of 3 minutes. Which replication method should you recommend to meet the customer needs?

- A. RCIP is Synchronous mode
- B. RCFC is Synchronous mode
- C. RCIP in Asynchronous Streaming mode
- D. RCFC in Asynchronous Periodic Mode

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35

A customer needs a data recovery solution for their HPE 3PAR array. They have the following requirements:▪

RPO needs to be within three hours

- RTO needs to be within three hours

- There is no need for offsite data archive ▪

They will have a limited maintenance window

Which solution meets all of the customer needs?

A. HPE 3PAR StoreServ with RMC

B. HPE StoreOnce

C. HPE StoreAll

D. HPE StoreEver

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

A customer has a solution from another vendor. The customer ran into issues of a disproportionally high failure rate of media keeping logfile data. The issue also appeared in the second array, to which the data is being replicated. The customer specifically asks you for a solution that will not have this same issue. Which feature of HPE 3PAR arrays should you emphasize?

A. creating snapshots on different physical disks

B. wide striping data across controllers and disks

C. ASIC accelerated thin provisioning

D. inline compression and data packing

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37

A customer needs to replace their outdated storage arrays.

Which resource provides the necessary information to properly size a solution?

A. HPE NinjaCrawler

B. HPE Ninja Stars for Nimble

C. HPE Storage Sizer

D. HPE Storage Assessment Foundry

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 38 A customer has two HPE Nimble arrays that are replication partners. The customer suffers a complete outage on the source array. What does the administrator need to do to make the most recent snapshot available?

A. Verify the automatic failover occurred

B. Promote the target snapshot

C. Demote the source snapshot

D. Perform a handover between the arrays

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 39

Refer to the exhibit.

C: DedupCrawler Q:

```
Scan      |#####|100%|00:04:33| 374MB/s
Analysis  |#####|100 %|00:00:02

|Drive|File   |Total |Written |After  |After  |Overall|Dedupe|Compress|
|Path|System  |Size  |non-zero|Dedupe|Compress|Ratio  |Ratio  |Ratio|
|Q:  |NTFS 16K |99.9GB|50.1GB  |19.2GB|19.2GB  |5.20   |2.60   |2.61|
```

A customer is considering a new HPE 3PAR for the purpose of implementing deduplication and compression. Based on the output returned from the NinjaCrawler tool, what do you know about the customer data?

- A. This data is a good candidate for HPE 3PAR deduplication
- B. This data has a video data workload profile
- C. This data is from an HP-UX system
- D. This data has a block size which is not optimal for HPE 3PAR

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:



QUESTION 40

Refer to the Exhibit.

Volume Collection: vc-ms-fileserver

Actions ▼

RECOVERY POINT				REPLICATION PARTNER		MEMBERS		SNAPSHOT RETENTION				
2017-06-12 16:12 Local		2017-06-12 16:10 Remote		gr-dr-arrays		1 Volumes		102 Local 92 Remote				
SCHEDULES	VOLUMES	SNAPSHOT COLLECTIONS										
DELETE	CLONE	SET ONLINE	SET OFFLINE					EVENTS	All			
<input type="checkbox"/> SNAPSHOT COLLECTION		SNAPSHOT TIME ▼		REPLICATED		No Events						
<input type="checkbox"/> vc-ms-fileserver-2mins-2017-06-12::16:12:0 SCHEDULE Two-minute-schedule		2017-06-12 16:12		In Progress								
<input type="checkbox"/> vc-ms-fileserver-2mins-2017-06-12::16:10:0 SCHEDULE <u>Two-minute-schedule</u>		2017-06-12 16:10		2017-06-12 16:11 ✓								
<input type="checkbox"/> vc-ms-fileserver-2mins-2017-06-12::16:08:0 SCHEDULE <u>Two-minute-schedule</u>		2017-06-12 16:08		2017-06-12 16:09 ✓								
				Help		Calculator		Comments		Review	Previous	Next

Help

Calculator

Comments

Review

Previous

Next

A customer with an existing HPE Nimble installation sends you the output shown. The administrator who initially set up the replication has left the company. They ask you what the current RPO level for their replication is. How should you respond?

- A. They need to verify the RPO level from the host vc-ms-fileserver
- B. They have an RPO of four minutes
- C. They need to send a screenshot of the volumes tab
- D. They have an RPO of two minutes



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41

DRAG DROP

A customer has a primary site with an HPE Nimble Storage array and a secondary site with another HPE Nimble Storage array. The customer had a planned power outage at their primary site, and now needs to switch back to the primary array.

Place the steps into the order they must be performed to switch back the primary array.

Select and Place:

Steps
Once the planned outage is over, take the volumes offline.
Perform a handover back to the primary array.
Replicate all volumes back to the primary array off-line.
Take a snapshot of each volume.

Order

Correct Answer:

Steps
Once the planned outage is over, take the volumes offline.
Perform a handover back to the primary array.
Replicate all volumes back to the primary array off-line.
Take a snapshot of each volume.

Order

Take a snapshot of each volume.
Replicate all volumes back to the primary array off-line.
Perform a handover back to the primary array.
Once the planned outage is over, take the volumes offline.

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42

A customer requests a proposal for two HPE 3PAR arrays using asynchronous periodic replication. The customer has two data centers, and the current bandwidth available for replication between the data centers is 200 Mb/s. The customer is replicating 30TB, and the change rate is 3% in 24 hours. The customer wants to achieve an RPO of 10 minutes. Which statement about bandwidth and replication is true for the customer requirements?

- A. The bandwidth is sufficient, and replication must happen every 5 minutes
- B. The bandwidth will have to be increased, and replication must happen every 5 minutes
- C. The bandwidth is sufficient, and replication must happen every 10 minutes
- D. The bandwidth will have to be increased, and replication must happen every 10 minutes

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43

You are discussing a HPE 3PAR Remote Copy solution with your customer. The customer has had a bad experience in their current non-HPE replication solution. Currently the source and target volume properties on the array must be identical on both sides and cannot be changed without re-creating the volumes.

What should you explain to the customer?

- A. Source and target disk type and RAID level can be different and adapted to changing requirements
- B. On the target array volumes can be pinned into cache for maximum flexibility
- C. All data from the source array will automatically be replicated to the target array using AI to determine the best location where to store the data
- D. Flash data can only be replicated to flash media on the target array, while spinning media can be replicated to flash media

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44 A customer needs to a multi-site environment where the entire inter-site transmission will be encrypted. Which products support this feature without additional licenses? (Select two.)

- A. HPE 3PAR
- B. HPE StoreOnce VSA
- C. HPE Nimble arrays with SmartReplicate (remote replication)
- D. any B-series 16Gb SAN Switch
- E. HPE StoreOnce hardware appliance

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:



QUESTION 45 You receive an error when attempting to utilize SAF Analyze to upload customer data that you have collected to develop reports for a new proposal. What must you do first to begin the process?

- A. Create a single .zip file of all data exports
- B. Create a new opportunity
- C. Create a gatekeeper on your SAF utility server
- D. Export the data as .xml

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46

A customer has two HPE 3PAR arrays which are using Remote Copy and AO. The customer notices a large portion of the data is residing in the NL tier of the secondary array, while all tiers are utilized evenly on the primary array. Which statement about the secondary array behavior is true?

- A. The NL CPG in the secondary array is larger
- B. This is normal behavior for AO
- C. There is an improper AO configuration on the secondary array
- D. AO should not be used with Remote Copy configurations

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

An HPE Nimble customer needs to consolidate storage and scale performance. They are looking to purchase additional hardware to meet these requirements. What is the best solution to offer this customer?

- A. Add additional SSDs to the cache
- B. Use multiple single-array storage pools
- C. Add additional HBAs in the arrays
- D. Use multi-array storage pools

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48

A customer wants an HPE 3PAR array with about 400,000 IOPS and over 6000 MBs per second through – put at 16K block size. What should you consider in your design?

- A. Focus the configuration on the effective capacity ratio rather than data reduction ratio
- B. Adhere to the initiators per port, initiators per system, and fan-in/fan-out limits in SPOCK
- C. Configure the HA-enclosure to protect against enclosure failure
- D. Ensure that the write IO service time on the array is under 2ms

Correct Answer: A

Section: (none)

Explanation



Explanation/Reference:

QUESTION 49

A customer has a Tier 1 application that has high bandwidth and is sensitive to latency.

The customer needs a solution to support this application. The solution must support replication between two sites over dark fiber links and support an RPO of zero. Which solution meets the customer requirements?

- A. dual HPE 3PAR 9450 arrays with data replicated using RCFC
- B. dual Nimble AF40 arrays with data replicated over FC
- C. dual HPE 3PAR 8400 arrays with data replicated using iSCSI
- D. dual Nimble HF20 arrays with data replicated over iSCSI

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50 For customers, what are the benefits of developing a company compliance policy? (Select two.)

- A. reduced head count
- B. minimized losses
- C. improved security
- D. improved agility

E. increased time to market

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 51

A customer is interested in using HPE InfoSight Cross-stack Analytics for VMware.

Where does the customer need to make the appropriate configuration changes to make this active?

- A. VMware vCenter
- B. HPE 3PAR SSMC
- C. HPE InfoSight Portal
- D. HPE 3PAR Service Processor

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 52

Refer to the exhibit.

Qty	Product#	Product Description
1	Q0E92A	HPE 3PAR 9450 2-node Storage Base with All-inclusive Single-system Software
2	Q7F41A	HPE 3PAR 9450+SW Storage Node
8	Q0E97A	HPE 3PAR 9000 4-port 16Gb Fiber Channel Host Bus Adapter
1	L7F18A	HPE 3PAR 9450 Data Encryption LTU
2	Q0E99A	HPE 3PAR 9000 2-port 10Gb Ethernet Host Bus Adapter
1	P9M30A	HPE 3PAR StoreServ 20000 Direct Connect Cabling Option for Drive Enclosure
8	Q0E95A	HPE 3PAR 9000 24-disk 2U SFF (2.5in) SAS Drive Enclosure
64	Q0F44A	HPE 3PAR 9000 3.84TB SAS SFF (2.5in) FIPS Encrypted SSD with All-inclusive Single-system Software
16	716197-B21	HPE External 2.0m (6ft) Mini-SAS HD 4x to Mini-SAS HD 4x Cable
2	Q1H95A	HPE 3PAR 1U Rack Accessories Kit
2	QK753B	HPE SN6000B 16Gb 48-port/24-port Active Fibre Channel Switch
48	QK724A	HPE B-Series 16Gb SFP+Short Wave Transceiver
1	Q2S13A	HPE 3PAR StoreServ RPS Service Processor
8	QK734A	HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 5m Cable
2	Q9Y41AAE	HPE Smart Fabric Orchestrator E-LTU

A customer is planning a new compute cluster. They require business continuity, and they need automatic transparent failover between sites with an RPO of 0. You propose HPE 3PAR 9450 arrays at each site. The displayed Bill of Materials (BOM) shows the hardware and software components for one site. What must be added to the BOM at each site to build the solution?

- A. four additional HPE 3PAR 9000 4-port 16Gb Fiber Channel Host Bus Adapters
- B. one HPE 3PAR All-inclusive Multi-system Software Suite
- C. one HPE 3PAR Policy Manager Software license

D. two additional HPE 3PAR 9000 2-port 10Gb Ethernet Host Bus Adapters

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 53

A customer has two HPE Nimble arrays that are replication partners. The replication schedule is set to every hour.

After replication completed at 1:00pm, the array at the primary site suffers a power failure.

Applications were failed over successfully by the administrators, and production continued on the secondary site array as designed. At

3:00pm, the power was restored to the primary site array.

What does the administrator need to do first to restore services in the primary site?

- A. Perform handover from the secondary array to the primary array
- B. Create a new replication partnership from the primary array to the secondary array
- C. Create a new replication partnership from the secondary array to the primary array
- D. Perform a failback of the existing replication partnership to the primary array

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54

You completed the HPE Nimble storage replication partnership in a customer environment.

When you test the network connection from the primary partner to the secondary partner, the test fails; when you test the connection from the secondary to the primary partner, the test is successful. What is the most likely cause of the failure?

- A. The secondary partner name is not configured properly
- B. The secondary array network ports are misconfigured
- C. The test can only be performed from the secondary array
- D. The primary partner name is not configured properly

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 55

You are starting an assessment to design a new multi-storage environment for a customer. You have collected data on all the current arrays using SAF collector. What should be the next step in your design process?

- A. Open the .zip file with NinjaSTARS
- B. Import the .zip file into OCA
- C. Send the .zip file to OCAImport@hpe.com
- D. Upload the .zip file to the SAF Portal

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 56

You are proposing StoreOnce as a new backup target.

Which features should you emphasize that will help the customer protect and recover data from external attacks on local data? (Select two.)

- A. StoreOnce Catalyst stores are only accessible via the API
- B. StoreOnce has firewalls to protect the repositories
- C. StoreOnce is immune from ransomware
- D. StoreOnce has malware protection
- E. StoreOnce has encryption of data at rest and data in-flight

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://h20195.www2.hpe.com/V2/GetPDF.aspx/a00029785enw.pdf>

QUESTION 57

A customer wants to implement a disaster recovery plan for their current HPE 3PAR array data. They have obtained a remote site 10km away their primary site. They have performed bandwidth testing, and have confirmed their RTT is approximately 100ms. The customer needs to provide data replication to assure the best data availability they can achieve. Which synchronization method meets their needs?

- A. Asynchronous Streaming
- B. Asynchronous Periodic Remote Copy
- C. Synchronous Remote Copy
- D. Peer Persistence

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 58 A customer is expecting rapid growth of their data storage needs on their HPE Nimble arrays. Which HPE tool should you recommend to best assist with capacity planning?

- A. NinjaStars for Nimble
- B. NinjaCrawler
- C. InfoSight
- D. One Config Advanced

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 59

A customer wants to enable an automated failover for their two existing HPE 3PAR solutions, which are located in two different sites. Each solution has an All-inclusive Single-System Software license. Which component is required to enable this function?

- A. All-inclusive Multi-System Software License
- B. Fibre channel Bridges to connect the disk shelves
- C. Additional HPE 3PAR system as quorum witness



D. Dark fibre connection between the sites

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 60 What is one of the advantages of protecting HPE 3PAR File Persona with RMC?

- A. MS SQL data consistency is provided
- B. Single file recovery is possible
- C. Transparent failover is offered If clients are using SMB 3.0, even if you recover to another 3PAR
- D. Backup throughput will be considerably faster than other backup methods

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference: