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Vendor: HP

Exam Code: HP2-K36

Exam Name: Support and Service HP StoreVirtual Solutions

Version: Demo

QUESTION NO: 1

You have just completed the initial configuration of an HP StoreVirtual 4000 Storage cluster What can you use to check for potential configuration issues such as improper NIC teaming, data protection with Network RAID, and optimum load balancing across nodes in the cluster?

A. Insight Remote Support
B. SAN Health Page
C. SAN IQ Health check
D. Best Practice Analyzer

Answer: D
Reference:http://h20195.www2.hp.com/V2/GetPDF.aspx%2F4AA4-2922ENW.pdf(page 6)

QUESTION NO: 2

Which functionality was introduced with HP LeftHand OS 10.x?

A. Windows Server 2008
B. Active Directory
C. FCoE
D. Quad CPU support for VSA

Answer: B
Reference:https://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=StoreVirtualSW_10.5

QUESTION NO: 3

In the event of a site failure in a multi-site configuration that is configured according to HP best practices, how does the HP StoreVirtual 4000 Storage system handle the failover and tailback process?

A. Failover is automatic, but fallback is manual.
B. Failover is automatic, but failback requires additional scripting.
C. Failover and failback are both manual processes.
D. Failover and failback are completely automatic.

Answer: D

QUESTION NO: 4

A media and broadcasting customer has an HP StoreVirtual 4000 Storage environment with eight 4530 SAS nodes. Approximately 50% of the I/O is large sequential; therefore, the configuration is set for maximum performance. After replacing a defective network switch, the customer experiences performance and connectivity issues and asks you to solve the problem.

What should you investigate first?

A. If jumbo frames are enabled on the whole path
B. If Spanning Tree Protocol (STP) is enabled
C. If Active/Passive (A/P) bonding is enabled
D. If the switch has the actual firmware installed

Answer: A

QUESTION NO: 5

Which statements are correct about how Recovery Manager is used to recover data from snapshots? (Select two.)

A. It is a cluster-aware application that will automatically failover to other servers.
B. It does not allow Linux / Unix formatted snapshots to be mounted.
C. It supports SmartClone and Remote Copy Snapshots.
D. It supports a total of five snapshots per volume to be mounted.
E. It allows iSCSI and Fibre Channel attached volumes to be restored.

Answer: D
Reference:http://h20565.www2.hp.com/portal/site/hpsc/template.BINARYPORTLET/public/kb/doc
Display/resource.process/?javax.portlet.begCacheTok=com.vignette.cachetoken&javax.portlet.en
dCacheTok=com.vignette.cachetoken&javax.portlet.rid_ba847bafb2a2d782fcbb0710b053ce01=do
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I&ac.admitted=1383021943001.876444892.492883150(page 10)

QUESTION NO: 6

You notice an error icon on a storage system in the navigation tree in the CMC. From the server the CMC is running on, you can successfully ping the IP address of the storage system. What is the most likely cause of this problem?

A. The management process is not responding.
B. The license for the storage node has expired.
C. The storage node has locked up.
D. The storage node was not assigned a name during installation.

Answer: B

QUESTION NO: 7

A large healthcare customer wants to implement an HP StoreVirtual 4000 Storage solution. The customer has two fire zones within the main data center and needs 24x7 availability with maximum data redundancy. The customer plans to implement an HP StoreVirtual 4000 Storage solution that is distributed across the fire zones.

Which Network RAID configuration should you recommend to meet these requirements?

A. Network RAID 50+1
B. Network RAID 60+2
C. Network RAID 10+2
D. Network RAID 10+1

Answer: D
Reference:http://kvaes.wordpress.com/2012/01/04/p4500-lefthand-p4x00-network-raid-explained/

QUESTION NO: 8

Which statement about Remote Copy is true?

A. The CMC software always deletes the last fully synchronized remote snapshot after creation.
B. It is a synchronous replication of data to a machine in a geographically-separate location.
C. If the network link goes offline during the process, copying resumes where it left off when the link is restored.

D. A remote volume can be rolled back until you convert the remote volume into a primary volume.

Answer: B
Reference:http://h20565.www2.hp.com/portal/site/hpsc/template.BINARYPORTLET/public/kb/doc
Display/resource.process/?javax.portlet.begCacheTok=com.vignette.cachetoken&javax.portlet.en
dCacheTok=com.vignette.cachetoken&javax.portlet.rid_ba847bafb2a2d782fcbb0710b053ce01=do
cDisplayResURL&javax.portlet.rst_ba847bafb2a2d782fcbb0710b053ce01=wsrp-
resourceState%3DdocId%253Demr_na-c03562217-
1%257CdocLocale%253Den_US&javax.portlet.tpst=ba847bafb2a2d782fcbb0710b053ce01_ws_B
I&ac.admitted=1383023508885.876444892.492883150(page 7 and 8)

QUESTION NO: 9

From which value is the WWNN for an HP StoreVirtual Fibre Channel group derived?

A. User-assigned value
B. VIP of cluster
C. Management ID
D. WWNN of first storage node

Answer: D

QUESTION NO: 10

Which network switch features are essential in an HP StoreVirtual 4000 Storage solution for best performance? (Select two.)

A. Non-blocking backplane
B. Spanning Tree Protocol (STP)
C. Sufficient port buffering
D. High port density
E. Intelligent Resilient Framework (IRF)

Answer: C,E

QUESTION NO: 11

You plan to use the HP StoreVirtual 4000 VSA version 10.5 at your customer's secondary site to optimize costs. What should you consider when you create the solution?

A. It supports a maximum of five volumes per VSA.
B. It supports a maximum of three VSAs.
C. It supports a maximum of 10 TB per VSA.
D. It supports a maximum of one VSA per host.

Answer: C

QUESTION NO: 12

You are installing a new HP StoreVirtual 4000 Storage cluster with eight nodes in a single Management group. According to best practices, what is the minimum number of Managers required for Quorum in this environment, while remaining fault tolerant?

A. 2
B. 3
C. 4
D. 5

Answer: A

QUESTION NO: 13

Your customer has a large HP StoreVirtual 4000 Storage environment with nearly 100 TB of data in the main data center. Because of contractual requirements for High Availability (HA), the customer wants to set up a second site and to implement asynchronous replication between the sites.

Which HP StoreVirtual 4000 Storage function should you use for the initial copy?

A. PrimeSync
B. Peer Motion
C. Multi-site Network RAID
D. Application Integrated Snapshots

Answer: D

QUESTION NO: 14

When configuring an HP StoreVirtual 4000 Storage system in a multiple subnet configuration, which iSCSI host configuration settings should you consider? (Select two.)

A. Only one VIP of each multi-site cluster should be configured on the application servers.
B. Only the primary-site VIP should be configured to keep local data traffic within the site.
C. Both of the VIPs of the multi-site cluster must be configured on the application servers.
D. All application servers must have the VIPs listed in the same order.
E. The VIPs should be in a Layer 2 subnet.

Answer: C,D

QUESTION NO: 15

A customer runs an iSCSI SAN that has four HP StoreVirtual 4330 Storage systems with 450GB SAS storage. The customer upgrades this environment by adding two more HP StoreVirtual 4330 Storage systems with 900GB SAS storage, but the available capacity does not increase as expected.

What is the reason for this?

A. The network for the cluster communication on the new StoreVirtual nodes is not configured correctly.
B. The new StoreVirtual nodes have not been added to the existing cluster.
C. The cluster will have a capacity based on that of the lowest capacity StoreVirtual node in the cluster.
D. The local RAID level on the new StoreVirtual nodes is not configured correctly.

Answer: B

QUESTION NO: 16
How does the CMC provide essential information, required by support, to analyze HP StoreVirtual

4000 Storage issues?

A. Active Critical and Severe Alerting
B. Management Group Support Bundle
C. HP SIM SNMP Event reporting
D. Health check Utility

Answer: C

QUESTION NO: 17

Which defined NIC properties can be edited through CMC? (Select two.)

A. Enable MPIO
B. Enable Flow Control settings
C. Set the preferred SANiQ Interface
D. Set Frame Size in Bytes
E. Set no Spanning tree

Answer: A,D

QUESTION NO: 18

A customer has an existing computer room with Fibre Channel servers and storage. You install three 4730 FC storage nodes in an existing HP StoreVirtual 4000 Storage environment. When you try to create a server in the CMC. you do not see the server's WWNN.

What could cause the CMC to not see the server? (Select two.)

A. The Management group was not enabled for FC.
B. Microsoft Multipathing was not set up and enabled on the server.
C. The server the CMC is running on does not have FC HBAs installed.
D. Zoning was not configured for the server.
E. HP StoreVirtual Application Integration Solution Pack was not installed on the server.

Answer: A,D

QUESTION NO: 19

You are adding additional HP StoreVirtual 4000 Storage nodes to your customer's existing cluster.
The new nodes were shipped with LeftHand OS v10.0. The cluster is currently running SAN/
IQv9.0. CMC is running 10.0.

What must you consider before you perform the upgrade?

A. The new storage system must be downgraded to version 9.0 software.
B. The cluster will require an upgrade to version 10 before the new node can be added.
C. All nodes should be upgraded to the latest version before adding the new node to the cluster.
D. The new storage system can be added into the existing cluster without changing software
versions.

Answer: B

QUESTION NO: 20

Your customer has an HP StoreVirtual 4000 Storage system that contains approximately 25 TB of
data. The customer asks you to plan a disaster-tolerant solution that replicates to a remote site
approximately 100 miles away. Their WAN is a 10 MB link with variable latency.

What is the most efficient procedure to recommend to your customer?

A. Upgrade their WAN to a minimum of 100 MB.
B. Schedule the replication links to 100% capacity during low business activity times.
C. Do the initial synchronization at the primary site.
D. Perform a backup, take it to the remote site, perform a restore, and then update delta points.

Answer: A

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