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NS0-513

NetApp Certified Implementation Engineer, Data Protection

Version 1.0

Exam B

QUESTION 1
Which two policies would allow an administrator to configure disaster recovery and archiving in the same destination volume? (Choose two.)

A. MirrorAllSnapshots
B. MirrorAndVault
C. Unified7year
D. MirrorLatest

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Reference: https://library.netapp.com/ecm/ecm_download_file/ECMLP2811525

QUESTION 2
You have a 2-node FAS9000 cluster that must replicate to a 2-node AFF A300 cluster. Both clusters use self-encrypting drives (SEDs) and need to encrypt all data at rest using centralized key management. Which

two features accomplish this task? (Choose two.)

A. Onboard Key Management
B. External Key Management
C. NetApp Volume Encryption (NVE)
D. NetApp Storage Encryption (NSE)

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.pow-nve%2FGUID-5DD87E19-F311-4B2C-898C-285032E0B116.html

QUESTION 3
You notice that after you delete data from your FlexVol volume, some Snapshot copies have also been deleted. Snapshot auto delete is enabled.

Which volume autosize mode must be enabled for this behavior to occur?

A. grow
B. disrupt
C. grow_shrinik
D. off

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://library.netapp.com/ecmdocs/ECMP1368826/html/GUID-6653B102-E228-4D1E-82F1-AFF58FE144C5.html

QUESTION 4
You want to set up protection relationships at the time of provisioning one or more primary volumes in the source cluster in ONTAP.

Which NetApp management tool enables you to accomplish this task?

A. ONTAP CLI B.
SnapCenter

C. OnCommand System Manager

D. OnCommand Unified Manager

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://library.netapp.com/ecm/ecm_download_file/ECMLP2854936

QUESTION 5
Which OnCommand Workflow Automation (WFA) feature allows users to download prebuilt WFA packs?

A. the Administration Portal

B. the Utility Toolchest

C. the Storage Automation Store

D. the Designer Portal

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://library.netapp.com/ecm/ecm_download_file/ECMLP2812225 (61)

QUESTION 6
A customer has a MetroCluster solution and wants to automate the disaster-recovery process. The customer wants to control the switchcover between the sites.

Which NetApp tool would satisfy these requirements?

A. OnCommand Unified Manager

B. MetroCluster Tiebreaker

C. OnCommand System Manager

D. OnCommand SnapCenter

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://library.netapp.com/ecm/ecm_download_file/ECMLP2812225

QUESTION 7
What does the `metrocluster configuration-settings interface create` command do?

A. It creates a MetroCluster local cluster ISL.

B. It creates a MetroCluster local cluster interconnect.

C. It creates a MetroCluster intercluster LIF.

D. It creates a MetroCluster MCCIP interface.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.dot-mcc-inst-cnfg-ip%2FGUID-6E1B8EB3-7D0F-40E6-A654-799FAE591EA4.html

QUESTION 8

You are using OnCommand Unified Manager to monitor the health and availability of your data protection relationships.

In this situation, what must be added to enable you to create, break, and resynchronize relationships?

A. SnapCenter
B. OnCommand System Manager
C. OnCommand Insight
D. OnCommand Workflow Automation

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9 You are maintaining a 4-node
MetroCluster.

How are the high-availability interconnects cabled?

A. Each high-availability pair controller is cabled to its local partner.
B. High-availability interconects between the nodes are not needed.
C. High-availability interconnects are only needed for the remote connections between the nodes.
D. High-availability interconnects are cabled both locally and remotely between the nodes.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 10
You have deployed the DP_Optimized (DPO) license on the destination cluster to support a high number of volumes and peer relationships for setting up data protection with multiple source clusters. You want to obtain a list of unprotected volumes on the source cluster and protect them.

Which two management tools would be used to accomplish this task? (Choose two.)

A. ONTAP CLI
B. OnCommand Insight
C. OnCommand System Manager
D. OneCollect

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 11 Synchronous replication is available for which two NetApp
solutions? (Choose two.)

A. StorageGRID Webscale
B. ONTAP Select
C. MetroCluster
D. Cloud Backup

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.netapp.com/us/media/ds-3769.pdf

QUESTION 12
A customer has setup an SVM DR relationship to provide disaster recovery capability at the SVM level.
The secondary site has a different network configuration. They want to replicate the protocol and services configuration of the primary SVM to the secondary SVM when creating the SVM DR relationship. Which

two actions will accomplish this task? (Choose two.)

A. Set the identity preserve option to false.
B. Set the discard configuration network option.
C. Set the vserver-dr-protection unprotected option.
D. Set the identity preserve option to true.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Reference: https://blog.netapp.com/simplified-svm-level-data-protection-using-oncommand-system-manager-9-5/

QUESTION 13
A company is evaluating different data protection solutions. The company requires a solution that provides both local failover and storage tiering.

Which two solutions meet these requirements? (Choose two.)

A. a FAS9000A system with SSD aggregates and FabricPool
B. a FAS8200A NetApp Private Storage (NPS) system and Cloud Backup
C. an AFF A300A with StorageGRID WebScale
D. a FAS2650A system with HDD aggregates and FabricPool

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 14 You are configuring SnapMirror on the NetApp Cloud Backup appliance
(formerly AltaVault).

In this scenario, which LIF type IP addresses must be white listed?

A. cluster management
B. cluster
C. intercluster
D. node management

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: http://docs.netapp.com/ocsc-30/index.jsp?topic=%2Fcom.netapp.doc.df-cloud-bu-wg%2FGUID-0399652E-ABE4-4735-8C7D-516CD76B1876.html

QUESTION 15
A client has a 100 GB NFS volume with a 20% Snapshot reserve that hosts several virtual machines on an aggregate with no additional capacity. There are currently 10 GB of Snapshot copies associated with the past two weeks of actvivty with the volume. An external monitoring system is reporting that the volume is 99% consumed.

According to NetApp, which action should be used to prevent the volume from going offline?

A. Modify the Snapshot reserve to 10%.
B. Enable storage efficiency on the volume.
C. Expand the aggregate on which the volume resides.
D. Delete Snapshot copies from the volume to free up space.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 16
In a MetroCluster IP configuration, which two network ports must be connected to dedicated switches? (Choose two.)

A. the port associated with the cluster LIF
B. the port associated with the node management LIF
C. the port associated with the intercluster LIF
D. the port associated with the MetroCluster IP LIF

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

QUESTION 17
Click the Exhibit button.

An employee's computer and mapped home folder has been encrypted with ransomware. You are asked to restore the data from a SnapVault repository.

Referring to the exhibit, what happens when the volume is restored?

A. All files in the volume are restored.
B. The restore is performed locally.
C. The original data is decrypted in place.
D. Only files that have changed in the volume are restored.
Correct Answer: A

Section: (none)
Explanation

Explanation/Reference:

QUESTION 18
Click the Exhibit button.

Select SQL server backup options

Choose backup type

○ Full backup and log backup

● Full backup

○ Log backup

☑ Copy only backup ⓘ

Commvault IntelliSnap and NetApp SnapCenter are both being used to back up the same Microsoft SQL Server database.

Referring to the exhibit, which action will SnapCenter perform on the Microsoft SQL transaction logs?

A. move
B. keep
C. delete
D. truncate

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference: https://documentation.commvault.com/commvault/v11_sp5/article?p=products/sql/snap/backup_adv.htm

QUESTION 19
A customer wants to monitor the current utilization of storage capacity to ensure storage availability. They decide to implement quotas on some volumes. What

are three types of quotas that would satisfy the customer's requirement? (Choose three.)

A. user
B. aggregate
C. group
D. volume
E. qtree

Correct Answer: ACE
Section: (none)
Explanation

Explanation/Reference:
Reference: https://library.netapp.com/ecmdocs/ECMP1196906/html/GUID-07CDD7F3-5958-478F-AE58-62AE4B8699D7.html

QUESTION 20 Using SnapCenter 4.0, you are restoring a
virtual machine.

Which additional tool would be used to monitor the restore?

A. VMware vSphere Web client
B. Virtual Storage Console
C. OnCommand System Manager
D. OnCommand Unified Manager

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 21
A client has a VMware vSphere environment with several MS SQL servers currently running that provides back-end Web services. You are asked to prepare a disaster recovery solution that would minimize downtime if any of these virtual
machines become corrupted and unavailable.

Which solution will satisfy the requirement?

A. Use the NetApp SnapCenter software to take a complete backup of the entire virtual server that is hosting the database.
B. Use the NetApp Virtual Storage Console snapshot function to take a complete backup of the entire virtual server that is hosting the database.
C. Use the NetApp SnapCenter software to take a consistent backup of the database and operating system, followed by another Snapshot copy of the virtual server.
D. Use the NetApp SnapCenter plug-in for VMware vSphere to take a complete backup of the entire virtual server that is hosting the database.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 22
You are asked to select a controller platform as a backup target with support for 40GbE, 32 Gbps FC, and the ability to attach three stacks of disk shelves.

Which tool would you use to find the information that you need?

A. Active IQ
B. Interoperability Matrix Tool (IMT)
C. OneCollect
D. Hardware Universe

Correct Answer: D
Section: (none)
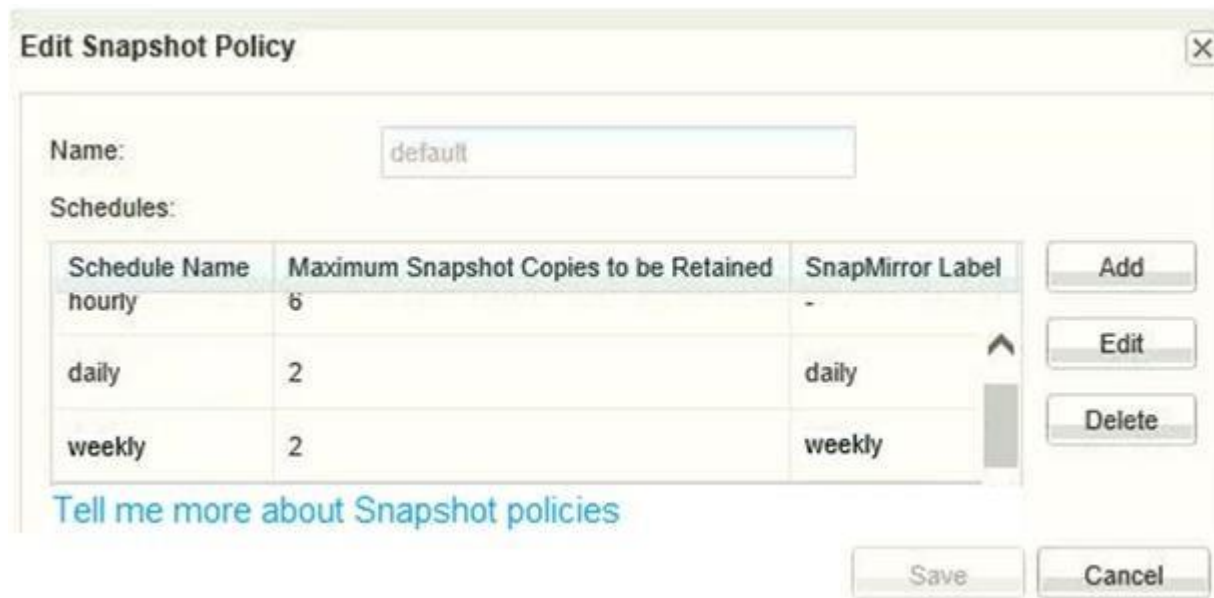**Explanation**

Explanation/Reference:
Reference: http://uadmin.nl/init/wp-content/uploads/2018/04/STRSW-ILT-ONTAPADM_StudentGuide.pdf

QUESTION 23
Click the Exhibit button.

Edit Snapshot Policy

Name: default

Schedules:

Schedule Name	Maximum Snapshot Copies to be Retained	SnapMirror Label
hourly	6	-
daily	2	daily
weekly	2	weekly

Add
Edit
Delete

Tell me more about Snapshot policies

Save   Cancel

You have a volume that was configured a year ago using the default Snapshot policy that is shown in the exhibit. You need to increase the number of weekly maximum Snapshot copies to retain eight copies.

Which additional action is needed to have eight weekly Snapshot copies in this volume after modifying the schedule?

A. Delete six weekly Snapshot copies B.
Reapply the default policy to the volume
C. Wait six weeks for Snapshot retention.
D. Modify the Snapshot reserve.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 24 You have experienced a disaster at your source site and activated SVM DR. The source site is now up, but your source SVMs no longer exist. You must restore data to the original source and maintain the SVM DR

configuration. Which two steps must be taken to accomplish this task? (Choose two.)

A. Delete the cluster peer relationship.
B. Replicate the data from the disaster-recovery site to the new source with volume SnapMirror.
C. Create the new source SVM by creating an SVM disaster-recovery relationship from the original destination.
D. Delete the existing SVM peer relationship.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25
You have deployed a MetroCluster IP disaster recovery solution for cross-site protection and business continuity operations.

In this scenario, which two statements are correct? (Choose two.)

A. Replication of storage data is performed over the iSCSI connections between the two sites.
B. Replication of storage data is performed over high-bandwidth dedicated links in the IP fabric and NVRAM over a high-bandwidth dedicated FC fabric. C. Replication of storage data is performed over a high-bandwidth dedicated FC fabric and NVRAM over high-bandwidth dedicated links in the IP fabric.

D. Replication of storage and NVRAM data is performed over high-bandwidth dedicated links in the IP fabric.

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

QUESTION 26
The `volume efficiency modify` command, enables which three storage efficiency technologies when applied to a FlexVol volume? (Choose three.)

A. compaction
B. thin-provisioning
C. compression
D. RAID-TEC
E. deduplication

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:
Reference: https://library.netapp.com/ecmdocs/ECMP1610211/html/GUID-2593A6B9-C800-4ABE-8033-DC82F12B4027.html

QUESTION 27 Which two statements are correct about MetroCluster IP requirements for intercluster
LIFs? (Choose two.)

A. At least one interface per node is required.
B. Either an IPv6 address or IPv4 address is required.
C. A dedicated network port is required.
D. Jumbo frames are required.

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28
A storage system is running low on space, and you enable a Snapshot autodelete policy on a volume. You need to replicate Snapshot copies to another storage system before they are deleted. Which

two SnapMirror policies would retain the deleted Snapshot copies? (Choose two.)

A. XDPDefault
B. MirrorAllSnapshots
C. MirrorLatest
D. MirrorAndVault

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
QUESTION 29
Which two NetApp tools would be used to set up protection relationships between a SolidFire cluster and an ONTAP cluster? (Choose two.)

A. SnapCenter
B. SolidFire Element Operating System UI
C. OnCommand Insight
D. ONTAP CLI

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.netapp.com/us/media/tr-4651.pdf

QUESTION 30
You must create and establish schedules for NetApp Snapshot copies and NetApp SnapMirror replication mirrors, and you need to manage them from a centralized location. Which

two products would satisfy the requirements? (Choose two.)

A. OnCommand System Manager
B. NetApp SnapCenter
C. OnCommand Insight
D. Commvault IntelliSnap

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

QUESTION 31
Click the Exhibit button.

```
              Vserver Name: svm_sanluns01
               Volume Name: vol_sanluns01dev_01
            Aggregate Name: aff_01_aggr1
               Volume Size: 100Gb
              Volume State: online
              Volume Style: flex
            Available Size: 1000.0GB
    Total User-Visible Size: 1000GB
                 Used Size: 2.00MB
           Used Percentage: 0%
Volume Nearly Full Threshold Percent: 95%
    Volume Full Threshold Percent: 98%
          Maximum Autosize: 1.17TB
          Minimum Autosize: 1000GB
  Autosize Grow Threshold Percentage: 95%
Autosize Shrink Threshols Percentage: 50%
             Autosize Mode: true
   Space Guarantee in Effect: true
        Space SLO in Effect: true
                 Space SLO: none
       Space Guarantee Style: none
          Fractional Reserve: 100%
       Snapshot Reserve Used: 0%
           Snapshot Policy: none
                 Node name: aff-01
```

Referring to the exhibit, which setting specifies the point that the vol_sanluns01dev_01 volume will increase in size?

A. Volume Nearly Full Threshold Percent
B. Space Guarantee in Effect
C. Autosize Grow Threshold Percentage
D. Fractional Reserve

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 32 A company has implemented a MetroCluster cluster. The company wants to use MetroCluster TieBreaker to monitor and detect failures of the cluster.

In this situation, which three components are monitored? (Choose three.)

A. nodes through local node interfaces
B. FC connectivity of the ATTO bridges
C. FC connectivity of the fabric switches
D. the cluster, through cluster designated interfaces
E. the surviving cluster

Correct Answer: ADE

QUESTION 33
You have recently installed and set up a new NetApp HCI deployment in your data center that consists of four compute nodes and four storage nodes. Inside this HCI deployment, you are using ONTAP Select for file services. You must protect the data inside the ONTAP Select VM in case of a rack failure.

Which two methods would accomplish this task? (Choose two.)

A. Replicate the volumes using SnapMirror from inside the ONTAP Select VM to an existing ONTAP cluster.
B. Enable FabricPools in the ONTAP Select instance.
C. Replicate the SVMs from inside the ONTAP Select VM to an existing ONTAP cluster using SVM DR.
D. Using SolidFire real-time remote replication, replicate the hosting volumes to an ONTAP cluster.

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 34
Click the Exhibit button.

Options	Value
SnapMirror Policy Type	MirrorAndVault
Hourly Snapshot Copy Schedule	6:05 a.m., 12:05 p.m., 6:05 p.m.
Daily Snapshot Copy Schedule	12:10 a.m.
Daily SnapMirror Replication Schedule	2:15 a.m.
Average Snapshot Delta	50 GB
Dedicated Bandwidth for Replication	1 Gbps

You are configuring a SnapMirror relationship to capture all daily activities and archive them. Information about the environment is shown in the exhibit.

In this scenario, how much data must be transferred during the scheduled SnapMirror update?

A. 150 GB
B. 200 GB
C. 50 GB
D. 250 GB

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 35
You want to implement a cross-site disaster recovery solution for a mission critical business application that can provide a near zero recovery time objective (RTO) and recovery point objective (RPO). You want to use the existing highbandwidth dedicated Ethernet and IP infrastructure for replication between the two sites.

Which NetApp solution meets these business requirements?

A. MetroCluster IP
B. FlexGroup

C. Synchronous SnapMirror
D. SVM DR

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.netapp.com/us/media/tr-4705.pdf

QUESTION 36 You just created a mirror relationship using OnCommand System Manager in ONTAP 9.3. You review the relationship using the CLI.

In this scenario, what is the expected type and default SnapMirror policy?

A. DP and DPDefault
B. XDP and DPDefault
C. DP and XDPDefault
D. XDP and MirrorAllSnapshots

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 37
Click the Exhibit button.

You have data corruption in a volume, and you are asked to restore the data from a SnapVault destination.

Referring to the exhibit, which two actions occur when the volume is restored? (Choose two.)

A. Only files that have changed in the volume are restored.
B. The restore is performed locally.
C. The restore is performed over the intercluster LIFs.
D. All files in the volume are restored.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
QUESTION 38
To ensure enough bandwidth for other applications, you want to restrict all replication bandwidth on your destination cluster.

How would you accomplish this task?

A. Using OnCommand System Manager on your source cluster, create a QoS policy on the source.
B. Using the ONTAP CLI, enable global throttling on the source cluster.
C. Using OnCommand System Manager on your destination cluster, create a QoS policy on the destination.
D. Using the ONTAP CLI, enable global throttling on the destination cluster.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.netapp.com/ontap-9/topic/com.netapp.doc.pow-dap/GUID-BBEDC81C-23CE-47FE-A242-F39846A8DD7F.html

QUESTION 39 You are planning on archiving 200 TB of data with SnapVault to an ONTAP
Cloud Instance.

Which NetApp tool manages your Bring Your Own License (BYOL)?

A. OnCommand System Manager
B. OnCommand Unified Manager
C. OnCommand Cloud Manager
D. OnCommand Insight

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://kb.netapp.com/app/answers/answer_view/a_id/1074936/~/ontap-cloud-byol-%28bring-your-own-license%29-is-expired-

QUESTION 40
You have a project that requires off-site backup for selected data volumes, but another physical site or system is not within the current budget.

Which NetApp product would help you to satisfy this requirement?

A. NetApp MetroCluster
B. NetApp FlexArray
C. NetApp ONTAP Cloud
D. NetApp FlexClone

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 41
You are asked to size an ONTAP disaster recovery and backup cluster. You are required to use 4 x 40 Gb Ethernet ports per controller and 4 x 32 Gb FC ports per controller. You also need to confirm support for Commvault IntelliSnap for NetApp v11.

In this scenario, which two tools would confirm these requirements? (Choose two.)

A. Active IQ
B. Interoperability Matrix Tool
C. Hardware Universe
D. OneCollect

Correct Answer: BC

Section: (none)
Explanation

Explanation/Reference:

QUESTION 42

A client has a primary data center that is located in a coastal area where the forecast is calling for a Category 5 hurricane to make landfall in three days. The client's data is protected using NetApp SVM SnapMirror replication technology with

identity-preserve that is enabled. The data is mirrored to a destination cluster outside of the affected area. The client has scheduled a controlled maintenance window for tomorrow to ensure that dependable operations are maintained. Which

three steps must be taken to accomplish this task? (Choose three.)

A. You must break the SnapMirror relationship on each individual volume between the source and the destination clusters.
B. You must configure the destination SVM volumes for data access.
C. You must reboot each server in your infrastructure so that they can access the data from the destination volumes.
D. You must break the SnapMirror relationship between the source and the destination SVMs.
E. You must stop the source SVM before activating the destination SVM.

Correct Answer: BDE
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.pow-dap%2FGUID-C4F0D584-6C27-4EBA-8DF0-5F795BAD226A.html

QUESTION 43 What are three prerequisites for replicating an Element OS volume to ONTAP?
(Choose three.)

A. SnapMirror must be licensed on the SolidFire cluster.
B. The ONTAP cluster must be running ONTAP 9.3 or later.
C. SnapVault must be licensed on the ONTAP cluster.
D. Enable SnapMirror on the SolidFire cluster.
E. SnapMirror must be licensed on the ONTAP cluster.

Correct Answer: ADE
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.netapp.com/us/media/tr-4651.pdf

QUESTION 44 When volumes are set to be thin-provisioned, what must be monitored
for space usage?

A. Snapshot reserve
B. aggregate
C. volume clone space
D. LUN

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
QUESTION 45 Which technology uses
synchronous replication?

A. SnapMirror XDP

B. FabricPool
C. MetroCluster mirrored aggregate
D. SVM DR

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://blog.netapp.com/snapmirror-synchronous-simplify-and-manage-volume-granular-zero-rpo-replication/

QUESTION 46 You asked a colleague to create a new SnapMirror replication relationship of type "Vault" between two SVMs on separate clusters. You want to verify that the SVMs are healthy and updating on a

particular schedule. What are two ways to accomplish this task? (Choose two.)

A. Use OnCommand System Manager on the source cluster for verification.
B. Use OnCommand System Manager on the destination cluster for verification.
C. Use the ONTAP CLI on the destination cluster and issue the `snapmirror show –fields healthy, schedule` command.
D. Use the ONTAP CLI on the source cluster and issue the `snapmirror show –fields healthy, schedule` command.

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Reference: https://library.netapp.com/ecm/ecm_download_file/ECMLP2496254 (21)

QUESTION 47
The customer wants to set up a disaster-recovery relationship between the NetApp SolidFire cluster and the NetApp FAS cluster.

Which two statements are true in this scenario? (Choose two.)

A. The volume must not be participating in SolidFire remote replication.
B. SnapMirror on the SolidFire cluster must be disabled.
C. The volumes access type must be set to "Replication Target."
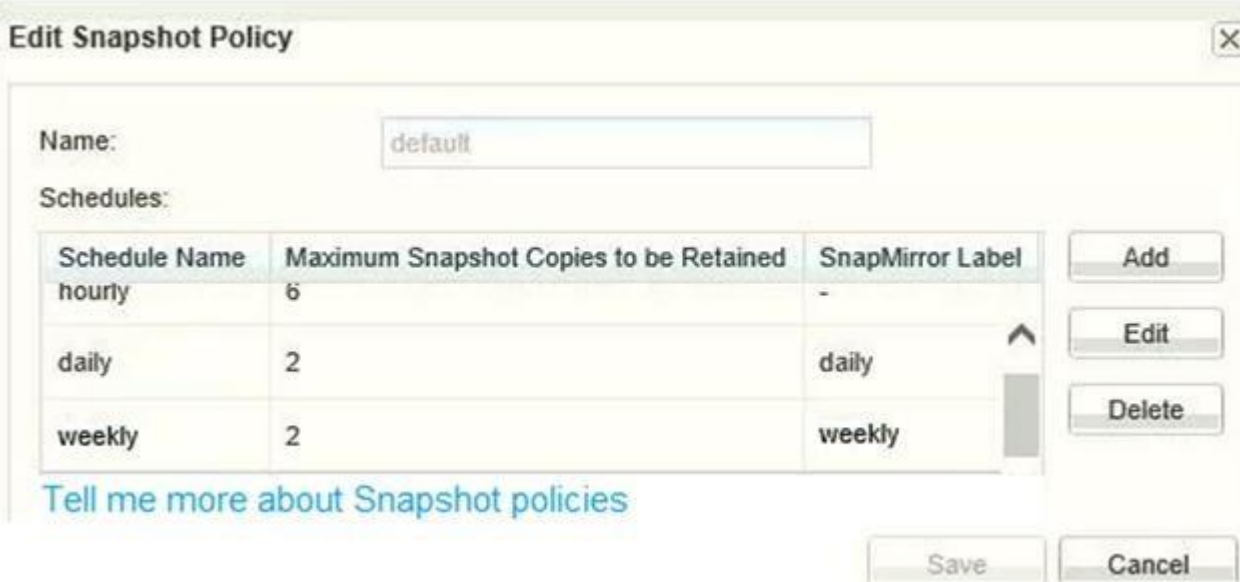D. SnapMirror on the SolidFire cluster must be enabled.

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 48
Click the Exhibit button.

You have a volume that was configured a year ago using the default Snapshot policy that is shown in the exhibit. You need to increase the number of hourly maximum Snapshot copies to retain only four copies.

Which additional action is needed to keep only four hourly Snapshot copies in this volume after modifying the schedule?

A. Delete two hourly Snapshot copies
B. Reapply the default policy to the volume
C. Modify the volume guaranteeD. Modify the Snapshot reserve.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 49
A user's home directory, mounted using NFS, has been encrypted by a ransomware attack. The user asks you to retrieve the data.

In this scenario, which process would allow you to accomplish this task?

A. Restore the data from a Snapshot copy.
B. Take a new Snapshot copy of the volume.
C. Apply the XDPDefault policy to the volume.
D. Apply the MirrorAllSnapshots policy to the volume.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 50
You have a SolidFire cluster running SolidFire Element Operating System 10.1 and are asked to replicate to an existing ONTAP cluster.

Which ONTAP destination is supported?

A. ONTAP Select with the `MirrorAllSnapshots` policy
B. FAS9000 with the `MirrorAndVault` policy

C. ONTAP Cloud with the `MirrorLatest` policy

D. AFF A700 with the `XDPDefault` policy

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://www.netapp.com/us/media/tr-4651.pdf

QUESTION 51
You have a FAS9000 with 10 TB NL-SAS drives that is replicating to a FAS8200 with 4 TB NL-SAS drives. An 80 TB source volume on the FAS9000 is showing 50% storage efficiency. After that volume mirror is initialized, the FAS8200 destination volume is showing only 10% storage efficiency.

In this scenario, why is storage efficiency reduced after replication?

A. The different controller models require logical replication.

B. The different sized drives use different efficiency methods.

C. The source volume has inline deduplication enabled.

D. The destination volume has post process compression enabled.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 52 Which product delivers application-consistent recovery across local and remote sites?

A. SnapCenter

B. OnCommand Unified Manager

C. OnCommand System Manager

D. SnapDrive

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference: https://kb.netapp.com/app/answers/answer_view/a_id/1001733/~/faq%3A-snapmanager-suite-

QUESTION 53 You want to implement NetApp Volume Encryption on your ONTAP 9.3 cluster production volumes.

What are two ways to accomplish this task? (Choose two.)

A. Use OnCommand System Manager to edit the volume and enable encryption.

B. Use the `vol move start` command with the `-encrypt-destination true` parameter.

C. Use the `volume modify` command with the `-is-encrypted true` parameter.

D. Use the OnCommand System Manager "move volume" feature.

Correct Answer: CD
Section: (none)
Explanation
Explanation/Reference:

QUESTION 54
Click the Exhibit button.

```
cluster1::> snapmirror policy show -policy XDPDefault
Vserver   Policy              Policy      Number    Transfer
Name      Name        Type    Of Rules  Tries     Priority    Comment
--------- ----------- ------- --------- --------- --------- ---------- ------- ----------
Cluster1 XDPDefault          vault        3            8     normal  Vault policy with daily and weekly rules.
SnapMirror Label: daily      Keep: 7
                            weekly       52
                            hourly        6
                                Total Keep:    65

cluster1::> snapshot policy show default
Vserver cluster1
              Number of Is
Policy Name         Schedules     Enabled  Comment
----------------- ----------- ------------- ------------------------------------------
default             3                 true Default policy with hourly, daily & weekly schedules
    Schedule      Count       Prefix       SnapMirror    Label
----------------- ----------- ----------- ------------------- ----------------------------
    hourly             6       hourly
    daily              2       daily                          daily
    weekly             2       weekly                         weekly
```

You have configured a vaulting relationship that is not updating hourly Snapshot copies to the destination.

Referring to the exhibit, what is the problem?

A. The source Snapshot policy is missing the hourly label.
B. The SnapMirror policy is missing the hourly label.
C. There is no hourly schedule in the SnapMirror policy.
D. The SnapMirror policy is missing the daily label.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 55
A customer wants to change a SnapMirror replication schedule to update more frequently. They have 25 GB of data per update to be replicated along a single 1 Gbps Ethernet link.

In this scenario, what is the minimum amount of time required between SnapMirror updates?

A. 20 minutes
B. 200 minutes
C. 3 minutes
D. 5 minutes

Correct Answer: A
Section: (none)
Explanation
Explanation/Reference:

QUESTION 56
You are asked to provide a solution that will allow a client to copy the data stored in a FlexVol volume to a remote tape system for archiving. You are using a cluster-aware backup application to perform this task. Which

three actions are required when you configure this solution for your client? (Choose three.)

A. Configure NDMP at the SVM level.
B. Configure multiple LIFs for SVM-scoped NDMP.
C. Configure NDMP at the node level.
D. Create a backup user account on the cluster.
E. Configure a LIF for node-scoped NDMP.

Correct Answer: CDE
Section: (none)
Explanation

Explanation/Reference:
Reference: https://library.netapp.com/ecm/ecm_download_file/ECMLP2496247 (5)

QUESTION 57
You are asked to verify that data stored in your disaster recovery site can be restored and is viable. Currently, you have a NetApp SnapMirror relationship with a MirrorAllSnaps policy type that is enabled and is updating frequently.

What would be a nondisruptive method to carry out a detailed validation of your disaster-recovery strategy?

A. Use SyncMirror on the destination aggregate on the destination cluster, and validate the data.
B. Perform a SnapMirror reverse resynchronization to restore the data from the destination cluster to the source cluster, and validate the data.
C. Break the SnapMirror relationship and validate the data.
D. Create a FlexClone volume of the destination volume on the destination cluster, and validate the data.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 58
You create a Snapshot copy of a NetApp volume in either OnCommand System Manager or through the ONTAP CLI.

In this scenario, what happens?

A. A redirect-on-write Snapshot copy is created and stored within the volume.
B. A copy-on-write Snapshot copy is created and stored within the volume.
C. A redirect-on-write Snapshot copy is created and stored within the aggregate.
D. A copy-on-write Snapshot copy is created and stored within the aggregate.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 59
Your customer wants to be notified of SnapMirror lag errors within 15 minutes. The customer is not interested in maintaining custom scripts.
How would you accomplish this task?

A. Use OnCommand Unified Manager to create an error alert for SnapMirror Relationship lag.
B. Use OnCommand Unified Manager to generate Volume Transfer Status reports on a schedule.

C. Use OnCommand System Manager to notify on Protection Health errors.
D. Use OnCommand System Manager to create a warning alert for SnapMirror lag.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://community.netapp.com/t5/Data-Infrastructure-Management-Software-Discussions/Alert-of-SnapMirror-Lag-Times/td-p/130845