



NetApp Certified Implementation Engineer Data Protection Specialist



EXAMKILLER

Help Pass Your Exam At First Try

Netapp

Exam NS0-527

NetApp Certified Implementation Engineer - Data Protection

Version: 4.0

[Total Questions: 156]

Question No : 1

You are using Veeam Backup & Replication to create Snapshot-based backups of your VMware environment running ONTAP. You added your primary and secondary ONTAP cluster to the Veeam Storage inventory.

However, you are unable to select your secondary ONTAP cluster as a secondary target for your Veeam backup job.

In ONTAP System Manager, which action solves this problem?

- A. Select "Make Snapshot directory visible" for each volume that you want to back up.
- B. Create a vsadmin account to grant cluster access to Veeam for each volume that you want to back up.
- C. Change the security style to NTFS for the volume you want to back up.
- D. Initialize SnapVault for the volume that you want to back up.

Answer: D

Question No : 2

A customer is running ONTAP 9.7 on a FAS2720 cluster that has 12 x 4 TB NL-SAS drives in the chassis with capacity running low. You decide to use Fabric Pool technology to solve this problem.

What does the customer need to do to accomplish this task?

- A. Add an SSD aggregate.
- B. Purchase a Data Protection Optimized (DPO) license.
- C. Use the CLI and add a capacity pool.
- D. Use the wizard and add a capacity pool.

Answer: A

Reference: <http://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.dot-mgng-stor-tier-fp%2FGUID-8E421CC9-1DE1-492F-A84C-9EB1B0177807.html>

Question No : 3

Which two configurations would be used to protect volumes in a production ONTAP system at two different disaster recovery (DR) locations? (Choose two.)

- A. SnapMirror in a fan-out topology
- B. SVM DR in a cascade topology
- C. SnapMirror in a cascade topology
- D. SVM DR in a fan-out topology

Answer: A,B

Question No : 4

Exhibit:

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

Answer: C

Question No : 5

What are three methods of configuring SnapMirror replication relationships? (Choose three.)

- A. Use Active IQ.

- B. Use the ONTAP command line.
- C. Use OnCommand Insight.
- D. Use ONTAP System Manager.
- E. Use Active IQ Unified Manager.

Answer: C,D,E

Question No : 6

During NDMP incremental backups, you want to reduce the time spent finding the changed data between two Snapshot copies.

In this scenario, which ONTAP feature will accomplish this task?

- A. compaction
- B. deduplication
- C. SnapDiff
- D. SnapLock

Answer: C

Reference:<https://www.rubrik.com/en/blog/products-solutions/20/1/nas-backup-rpo-changelist-snapshots>

Question No : 7

Your DevOps team reported that one virtual machine on a VMware datastore has been corrupted due to a ransomware attack.

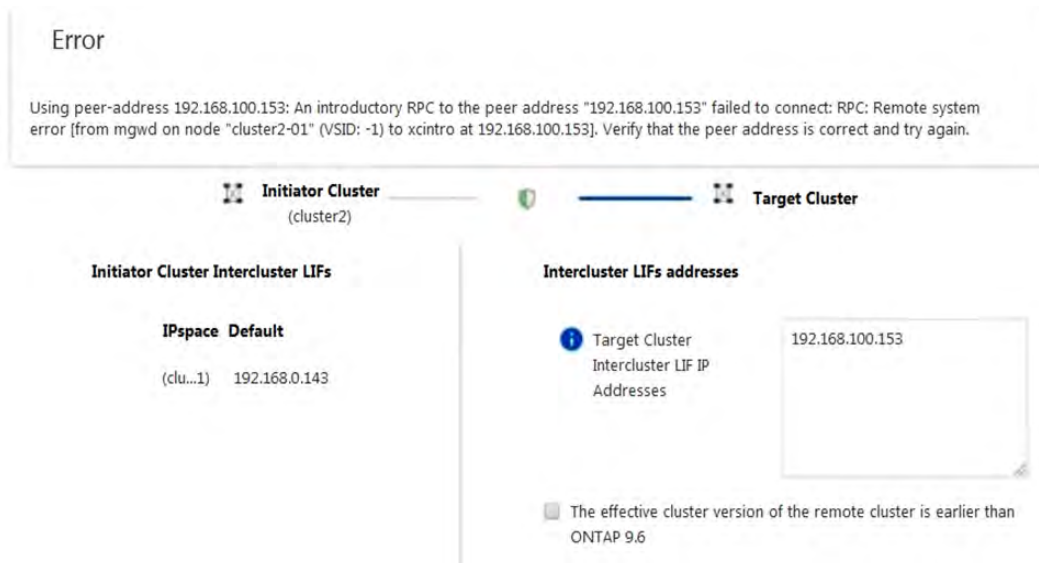
In this scenario, which two methods would solve the issue? (Choose two.)

- A. Restore the Snapshot copy of the volume from ONTAP System Manager.
- B. Restore the VM using SnapCenter Plug-in for VMware vSphere.
- C. Restore the datastore using SnapCenter Plug-in for VMware vSphere.
- D. Clone the volume's Snapshot copy prior to the attack, mount, and storage vMotion.

Answer: C,D

Question No : 8

Click the Exhibit button.



You are configuring cluster peering from cluster2 to cluster1 on your ONTAP 9.7 clusters using ONTAP System Manager. You are given the details shown below to set up the cluster peer relationship. You want to determine why the peering has failed.

Cluster2 intercluster LIFIP: 192.168.0.143 Subnet: 255.255.255.0 Port: e0e passphrase: netapp1234

Cluster1 intercluster LIF IP: 192.168.0.153 Subnet: 255.255.255.0 Port: e0e passphrase: netapp1234

Referring to the exhibit, which statement is correct?

- A. The Source Cluster IP is incorrect.
- B. The Target Cluster Passphrase is incorrect.
- C. The Target Cluster IP is incorrect.
- D. The Source Cluster Passphrase is incorrect.

Answer: C,D

Question No : 9

You decide to enable SnapMirror network compression on your NetApp clustered Data

ONTAP environment. Which two statements are correct about enabling this feature?

(Choose two.)

- A. The data is compressed only while it traverses the network.
- B. The data transfer between the clusters must use the NDMP protocol.
- C. You may only enable SnapMirror network compression on one HA pair in a cluster, and traffic 1-1 is limited to routing through those nodes.
- D. The compression engine creates multiple transfer threads corresponding to the number of CPUs on the source storage system.

Answer: A,D

Question No : 10

Data on an AFF system is replicated using SnapMirror to aFAS system that is configured with NL-SAS-based storage.

In this scenario, which storage efficiency is lost on the SnapMirror destination?

- A. compaction
- B. compression
- C. aggregate-level deduplication
- D. volume-level deduplication

Answer: B

Question No : 11

You must determine if there have been any backup problems overnight. Which two reports in OnCommand Unified Manager 6.2 would provide you with the required information?

(Choose two.)

- A. Unresolved Incidents and Risks area
- B. On Command Unified Manager Dashboard

- C. On Command Cluster Events Details
- D. On Command Job Events Details

Answer: B,D

Question No : 12

Which two NetApp features would help you to recover from a file share that was encrypted by a ransomware event? (Choose two.)

- A. SnapLock
- B. SnapMirror
- C. SnapRestore
- D. Snapshot

Answer: A,B

Reference:<https://blog.netapp.com/fighting-ransomware-recover-data>

Question No : 13

You are asked to implement a NetApp solution that has high availability with transparent failover between two data centers.

Which two solutions satisfy this requirement? (Choose two.)

- A. ONTAP Select
- B. SnapVault
- C. SnapMirror Sync
- D. MetroCluster

Answer: B,D

Reference:<https://www.netapp.com/ja/media/13480-tr4705.pdf>

Question No : 14

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.

Answer: B

Question No : 15

You want to conserve disk space in your SnapVault destinations. You enable storage efficiency on each of the secondary volumes.

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

- A. Storage efficiency can be enabled on the secondary volume and SnapVault will manage the schedule.
- B. Storage efficiency can be enabled on the secondary volume, but a manual schedule will need to be assigned.
- C. If storage efficiency is enabled on the primary volume, it will be preserved on the secondary volume.
- D. SnapVault implicitly uses storage efficiency.

Answer: A,C

Explanation: (<https://library.netapp.com/ecmdocs/ECMP1196819/html/GUID-33E5E672-6719-4C76-97F7-F1D1CF7C8185.html>)

Question No : 16

You need to backup Exchange, MS SQL, and VMware virtual machines with application consistency.

Which tool accomplishes this task?

- A. OnCommand System Manager
- B. VMware vSphere Web client
- C. SnapCenter
- D. OnCommand Unified Manager

Answer: C

Question No : 17

You want to determine the amount of cold data that can be tiered from a FabricPool-enabled aggregate.

In this scenario, which feature satisfies this requirement?

- A. Inactive Data Reporting
- B. Information Lifecycle Management
- C. Object Store Profiler
- D. Auto Balance

Answer: A

Explanation:

First available in ONTAP 9.4, inactive data reporting (IDR) is an excellent tool for determining the amount of inactive (cold) data that can be tiered from an aggregate. IDR is enabled by default on FabricPool aggregates. More important, you can enable it on non-FabricPool aggregates by using the ONTAP CLI, to get visibility on how much you can gain by deploying FabricPool.

Question No : 18

Click the Exhibit button.

Supported Adapter Cards - FAS9000 (Single Chassis HA Pair (FAS9000A)) 9.5 ONTAP

Priority	Category	Bus Type	Mktg Part No.	Mfg Part No	Description	Optional Module	Supported Speed(s)	Min ONTAP	Max Qty	Priority Slot Assignment
1	NVRAM	IO Module	X91140A	111-03190	NVRAM10 32GB	Not supported		9.1RC2. 9.2RC1. 9.3RC1. 9.4RC1. 9.5RC1.	1	6
2	Networking	IO Module	X91440A	111-02590	2p 40GbE NIC CuOp	OSPF Optional	ETH: 10/40 Gbps	9.1RC2. 9.2RC1. 9.3RC1. 9.4RC1. 9.5RC1.	8	4, 6, 9, 1, 10, 2, 11, 3, 7, 5
3	Block Access	IO Module	X91135A	111-03789	4p 32Gb FC SFP+ Op	SFP+ Included	FC: 8/16/32 Gbps FC-NVMe: 16/32 Gbps	9.3RC1. 9.4RC1. 9.5RC1.	8	9, 1, 10, 2, 11, 3, 7, 8
4	Block Access	IO Module	X91134A	111-03431	2 p 32Gb FC Op	SFP+ Included	FC: 8/16/32 Gbps FC-NVMe: 16/32 Gbps	9.1RC2. 9.2RC1. 9.3RC1. 9.4RC1. 9.5RC1.	8	9, 1, 10, 2, 11, 3, 7, 5, 8
5	Performance Acceleration	IO Module	X9170A	111-00421	Flash Cache.1.0TB NVMe, Module	Not supported		9.1RC2. 9.2RC1. 9.3RC1. 9.4RC1. 9.5RC1.	2	61, 62
6	Performance Acceleration	IO Module	X9172A	108-00423	Flash Cache.4.0TB NVMe, Module	Not supported		9.1RC2. 9.2RC1. 9.3RC1. 9.4RC1. 9.5RC1.	2	61, 62
7	Block Access	IO Module	X91143A	111-02397	4p 16Gb 10Gb UTA2 CuOp	SFP+ Optional	ETH: 1/10 Gbps FC: 4/8/16 Gbps	9.1RC2. 9.2RC1. 9.3RC1. 9.4RC1. 9.5RC1.	8	9, 1, 10, 2, 11, 3, 7, 5, 8
8	Networking	IO Module	X91143A	111-02397	4p 16Gb 10Gb UTA2 CuOp	SFP+ Optional	ETH: 1/10 Gbps FC: 4/8/16 Gbps	9.1RC2. 9.2RC1. 9.3RC1. 9.4RC1. 9.5RC1.	8	9, 1, 10, 2, 11, 3, 7, 5, 8
9	Networking	IO Module	X91120A	111-02399	4p 10GBASE-T NIC	Not supported	ETH: 1/10 Gbps	9.1RC2. 9.2RC1. 9.3RC1. 9.4RC1. 9.5RC1.	8	9, 1, 10, 2, 11, 3, 7, 5, 8
10	Storage	IO Module	X91135A	111-03789	4p 32Gb FC SFP+ Op	SFP+ Included	FC: 8/16/32 Gbps FC-NVMe: 16/32 Gbps	9.3RC1. 9.4RC1. 9.5RC1.	8	9, 1, 10, 2, 11, 3, 7, 8
11	Storage	IO Module	X91143A	111-02397	4p 16 Gb 10Gb UTA2 CuOp	SFP+ Optional	ETH: 1/10 Gbps FC: 4/8/16 Gbps	9.1RC2. 9.2RC1. 9.3RC1. 9.4RC1. 9.5RC1.	8	9, 1, 10, 2, 11, 3, 7, 5, 8

A customer needs to add an additional X91143A card into a FAS9000 to allow mirroring between the production system and the disaster recovery FAS9000 platform. Slots 1, 4, 6, 8, and 9 have cards in them.

Referring to the exhibit, in which slot should you install the card?

- A. 5
- B. 10
- C. 3
- D. 7

Answer: D

Question No : 19

You are planning to deploy MetroCluster IP. As part of the implementation strategy, you are asked to verify that you have the relevant hardware for the deployment.

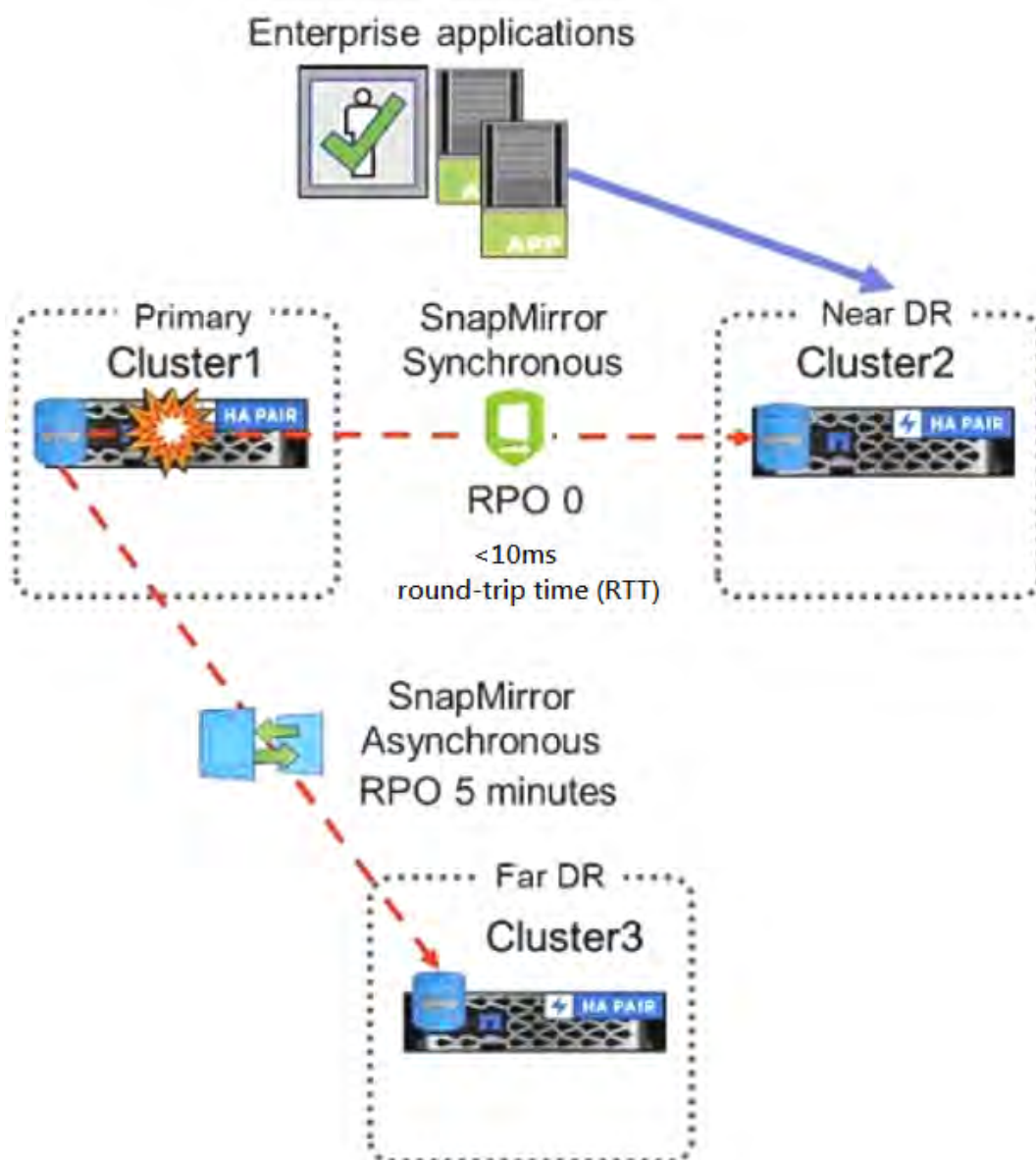
Which two elements are required to deploy your solution? (Choose two.)

- A. storage controllers
- B. FC network switches
- C. cluster peering network
- D. iSCSI Ethernet switches

Answer: C,D

Question No : 20

Click the Exhibit button.



Referring to the exhibit, which three would be used to configure the three-way Data Center Disaster Recovery topology replication schedules? (Choose three.)

- A. Active IQ Unified Manager
- B. Active IQ
- C. ONTAP CLI
- D. ONTAP Select

E. ONTAP System Manager

Answer: C,D,E

Reference:[http://197.253.9.244/ontap%209-](http://197.253.9.244/ontap%209-5/Cluster%20Admin/2_Student%20Guide/STRSW-ILT-ONTAPADM_StudentGuide.pdf)

[5/Cluster%20Admin/2_Student%20Guide/STRSW-ILT-ONTAPADM_StudentGuide.pdf](http://197.253.9.244/ontap%209-5/Cluster%20Admin/2_Student%20Guide/STRSW-ILT-ONTAPADM_StudentGuide.pdf)

Question No : 21

You want to configure peering between two existing ONTAP HA clusters.

In this scenario, which three steps would you perform to accomplish this task? (Choose three.)

- A. Create a cluster peering relationship.
- B. Create intracluster LIFs.
- C. Create intercluster LIFs.
- D. Create a SVM peering relationship.
- E. Create iSCSI LIFs.

Answer: A,C,D

Question No : 22

You are upgrading your Data ONTAP cluster from clustered Data ONTAP 8.3 to clustered Data ONTAP 9.1. Which two actions must be performed for the SnapMirror relationships?

(Choose two.)

- A. Break existing SnapMirror relationships.
- B. Delete the obsolete SnapMirror Snapshot copies which were created in Data ONTAP 8.3.
- C. After the upgrade, resynchronize, and resume SnapMirror relationships.
- D. Delete and re-create SnapMirror relationships.

Answer: A,C

Question No : 23

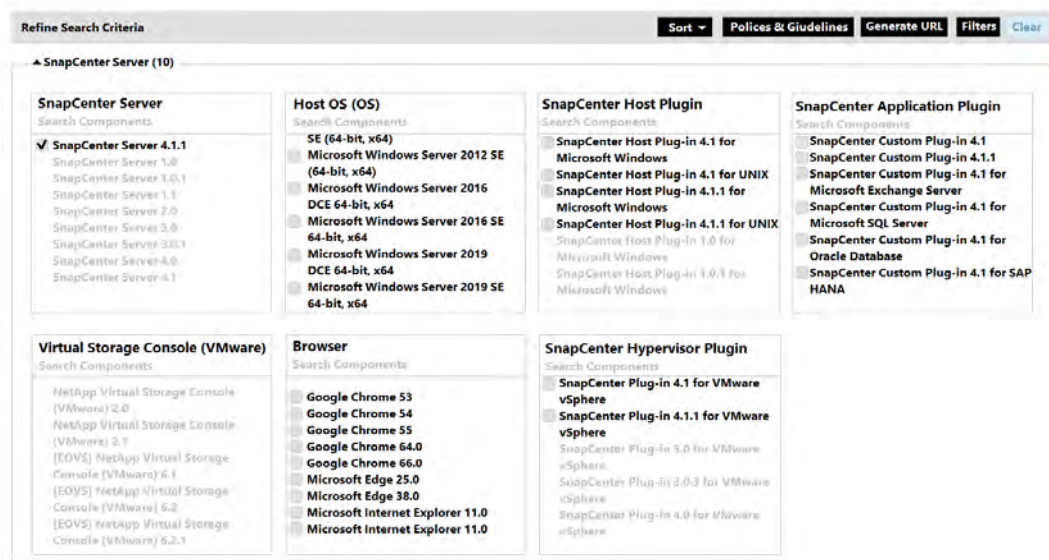
You are copying your data and replicating it off site. What is the called?

- A. a backup
- B. a demonstration
- C. a version
- D. a Snapshot

Answer: A

Question No : 24

Click the Exhibit button.



Referring to the exhibit, what two Search Criteria check boxes need to be used to provide a supported solution for protecting Windows Server 2019 DCE 64-bit, x64 host using local NetApp LUNs with SnapCenter Server 4.1.1? (Choose two.)

- A. SnapCenter Application Plugin
- B. SnapCenter Host Plugin
- C. Browser
- D. Host OS (OS)

Answer: B,D

Question No : 25

A volume has been filled completely by active data and Snapshot copies.

What must you do to make the volume writable again?

- A. Delete files in the active file system.
- B. Delete any SnapMirror relationships.
- C. Delete enough Snapshot copies until space is available.
- D. Modify the Snapshot reserve.

Answer: C

Explanation: (<https://library.netapp.com/ecmdocs/ECMP1217273/html/GUID-866A2386-BE9D-474E-99A9-7A16143DBF74.html>)

Question No : 26

You are monitoring data protection relationships of type XDR using OnCommand System Manager running ONTAP 9.5. In the GUI, you click Protection -> Volume Relationships.

In this scenario, which status in the Relationship State field must be displayed to ensure that the relationships are working as expected?

- A. SnapMirrored
- B. Uninitialized
- C. InSync
- D. Quiesced

Answer: C

Question No : 27