

NetApp Certified SAN Implementation Engineer (NS0-527)

1. Your manager requires you to protect a production SVM called svm01 by using SVM-DR. Your manager insists that all configuration and data LUNs be replicated to the DR cluster. The destination SVM should be called drsvm01. You set up an SVM-DR relationship between the clusters, specifying that the identity-preserve option is set to true. After the initial replication completes, you discover that the iSCSI LIF configuration has not been replicated to drsvm01.

What should you do to solve this problem?

A. Run the relationship a second time and check the configuration again.

B. Manually create and configure the iSCSI LIFs on drsvm01.

C. Set up a new relationship without using the -identity-preserve option.

D. Add the FC protocol to the destination and configure the FC LIFs.

Answer(s): C

2. Click the Exhibit button.

Error

Using peer-address 192.168.100.153: An introductory RPC to the peer address "192.168.100.153" failed to connect: RPC: Remote system error [from mgwd on node "cluster2-01" (VSID: -1) to xcintro at 192.168.100.153]. Verify that the peer address is correct and try again

Initiator Cluster
(cluster2)

Target Cluster

Initiator Cluster Intercluster LIFs

IPspace	Default
(clu...1)	192.168.0.143

Intercluster LIFs addresses

Cluster	Intercluster LIF IP Address
Target Cluster	192.168.100.153

The effective cluster version of the remote cluster is ear ONTAP 9.6

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 LIF IP: 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(s): C D

3. You are the administrator of your company's ONTAP clusters. You are asked to provide a disaster recovery solution between your primary AFF A400 cluster and your FAS2720 cluster with the highest possible availability at the lowest possible price.

In this scenario, which product will satisfy this requirement?

A. MetroCluster

B. SM-S

C. SnapMirror

D. SVM-DR

Answer(s): A

4. Application data needs to be replicated between two FAS9000 clusters running ONTAP 9.7 for DR purposes only. The application has 50 data volumes to be replicated concurrently. You also require that the application can run from the DR site should the production site suffer a disaster.

Referring to the exhibit, what would you use to satisfy the requirements?

A. SnapVault backups can be used to replicate all the application volumes.

B. Load sharing can be used to concurrently replicate the data between both systems.

C. SnapMirror Synchronous can be used to replicate the all the application volumes.

D. SnapMirror can be used to replicate all the data volumes concurrently.

Answer(s): A

5. You experience a node outage as a result of a component failure in a high-availability (HA) pair. You replace the failed component and get the node booted up again, but are unable to perform the giveback operation. The onscreen error is:

"Connected to partner, Takeover is not possible: Storage failover mailbox disk state is invalid, Local node has encountered errors while reading the storage failover partner's mailbox disks. Local node missing partner disks"

What are two ways to solve this problem? (Choose two.)

A. Correct the shelf cabling errors.

B. Destroy the root aggregate.

C. Correct the failover group configuration.

D. Destroy the mailboxes on both nodes.

Answer(s): A C

6. You have just deployed a new AFF A400 cluster running ONTAP 9.7 that currently has no data aggregates created. You want to ensure that all new data aggregates are encrypted before you migrate production data to the new AFF A400 cluster.

In this scenario, which two actions would you use to accomplish this task? (Choose two.)

A. After you create data aggregates, convert them to a NetApp Aggregate Encryption aggregate including root aggregates.

B. Ensure that you have the NetApp Volume Encryption license installed.

C. Ensure that the AFF A400 has self-encrypting drives.

D. After you create a data aggregate, verify that it is encrypted by default.

Answer(s): A D

7. You are the administrator of an ONTAP 9.7 cluster. You configured an hourly Snapshot schedule for all volumes. One of your users accidentally deleted an important spreadsheet file on an SMB share. This file must be restored within a minimum amount of time.

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

A. On the cluster CLI, issue the volume clone restore command.

B. On the cluster CLI, issue the volume snapshot restore-file command.

C. In Windows Explorer, right-click on the SMB share where the file was deleted, go to "Previous Versions" and select the file, then copy it to the original location.

D. In ONTAP System Manager, navigate to the volume where the share resides, click on "Snapshot Copies" and restore the latest Snapshot copy.

Answer(s): B C

8. You are asked to re-purpose a NetApp FAS cluster. You need to verify that all encrypted data has been securely erased.

Which two features would allow you to securely re-purpose the array? (Choose two.)

A. Secure Purge

B. SnapLock Compliance

C. Disk Sanitize

D. NetApp Aggregate Encryption

Answer(s): A D

9. Click the Exhibit button.

```
cluster1::*> network test-path -source-node node1 -destination-cluster cluster1 -destination node node2
```

```
Test Duration: 10.65 secs
Send Throughput: 1092.65 MB/sec
Receive Throughput: 1092.65 MB/sec
  MB Sent: 11633.69
  MB Received: 11633.69
  Avg Latency: 64.40 ms
  Min Latency: 2.41 ms
  Max Latency: 2099.17 ms
```

You need to verify that you have a 10 Gb path between two clusters for SnapMirror traffic. Referring to the exhibit, how fast is the network path between the clusters?

A. 10 Mb

B. 100 Mb

C. 1 Gb

D. 10 Gb

Answer(s): C

10. Which two statements are correct about configuring a peering connection between clusters? (Choose two.)

A. The LIFs should be on the same subnet.

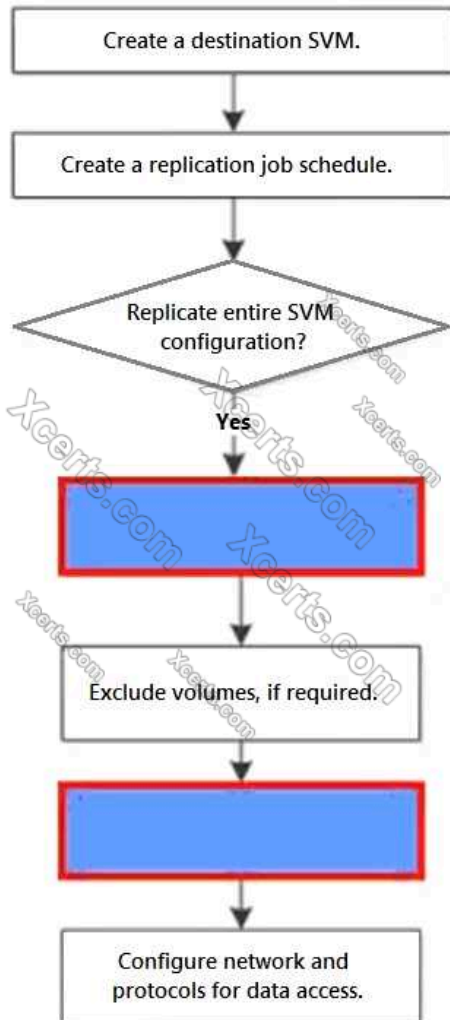
B. You must use at least one intercluster LIF per node.

C. You must use one cluster LIF per node per network.

D. The intercluster LIFs must have full connectivity to each other.

Answer(s): B D

11. Click the Exhibit button.



You must set up SVM replication for the first time using CLI. This replication will be used for DR purposes. The SVM configuration does not need to be replicated at this time. In this configuration, you will be reusing a default policy.

Referring to the exhibit, what are two missing steps from the SVM replication workflow? (Choose two.)

- A. Exclude specific LIFs and protocols from the replication policy.
- B. Create a relationship with the id-preserve option set to false.
- C. Initialize the newly created SnapMirror relationship.
- D. Initialize the relationship with the id-preserve option set to true.

Answer(s): B D

12. Click the Exhibit button.

In an ONTAP environment, an SVM-DR relationship exists between your AFF A220 cluster and your FAS2720 cluster, with identity preserve enabled. You are asked to test the disaster recovery workflow in an upcoming maintenance window.

Referring to the exhibit, which step should be performed next to test the recovery workflow?

- A. Delete the SVM-DR relationship.
- B. Pause any ongoing transfers.

C. Abort any ongoing transfers.

D. Update any ongoing transfers.

Answer(s): C

13. 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(s): C D E

14. You want to use a Fabric Pool to store destination SnapMirror data to an external capacity tier. Which tiering policy would be used in this scenario?

A. auto

B. snapshot-only

C. none

D. backup

Answer(s): D

15. You must manually upgrade your company's 8-node cluster from ONTAP 9.5 to ONTAP 9.7. Due to the sensitivity of the data that is being stored on the cluster, it is company policy to perform these upgrades one node at a time.

What are two steps that you must perform to accomplish this task? (Choose two.)

A. Terminate active NFS connections.

B. Move Epsilon to maintain cluster quorum.

C. Terminate active SMB connections.

D. Change disk ownership.

Answer(s): B C

16. To assist with capacity planning, your supervisor wants to receive weekly capacity summary reports using e- mail for all on-premises ONTAP clusters. You are asked to implement a solution that has no additional software licensing costs.

Which action accomplishes this task?

A. Configure Cloud Insights Premium Edition.

B. Create a capacity dashboard in Active IQ Digital Advisor.

C. Configure capacity and utilization reports in Active IQ Unified Manager.

D. Configure Cloud Insights Basic Edition.

Answer(s): C

17. You are asked to enable WORM technology on a large amount of legal dat

A. The legal team asks that a designated user group have the ability to delete files as needed.What would satisfy the legal team's requirements?

B. SnapLock Enterprise

C. SnapVault

D. SnapCenter Plug-in for Microsoft SQL Server

E. SnapLock Compliance

Answer(s): A

18. An ONTAP administrator is trying to configure a three-way-disaster recovery solution. Cluster 2 is within 50 km of Cluster 1, the primary cluster, with an RTT of 7 ms. Cluster 3 is over 300 km from Cluster 1 with an RTT of 29 ms.

In this scenario, what are two topologies that would accomplish this task? (Choose two.)

A. a cascade topology from Cluster 1 to Cluster 2 with SnapMirror Synchronous, and then SnapMirror asynchronous from Cluster 2 to Cluster 3

B. a fan out topology with SnapMirror Synchronous from Cluster 1 to Cluster 2 and SnapMirror Synchronous to Cluster 3

C. a fan out topology with SnapMirror Synchronous from Cluster 1 to Cluster 2 and SnapMirror asynchronous from Cluster 1 to Cluster 3

D. a cascade topology from Cluster 1 to Cluster 2 with SnapMirror Synchronous, and then SnapMirror Synchronous from Cluster 2 to Cluster 3

Answer(s): A C

19. Your backup cluster reached both the maximum number of parallel replication transfers and the maximum number of FlexVol volumes per node. You need to increase these maximum numbers.

In this scenario, which license you would install on the destination to accomplish this task?

A. SnapRestore License

B. SnapMirror Sync License

C. Data Protection Optimized License

D. SnapVault License

Answer(s): B

20. A customer wants a new solution that reaches a near-zero recovery time objective (RTO) and a zero recovery point objective (RPO).

In this scenario, which NetApp solution satisfies the requirements?

A. NDMP

B. MetroCluster

C. SnapMirror

D. SnapVault

Answer(s): C
