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## NetApp Certified Implementation Engineer - Data Protection

Netapp NS0-527

Version Demo

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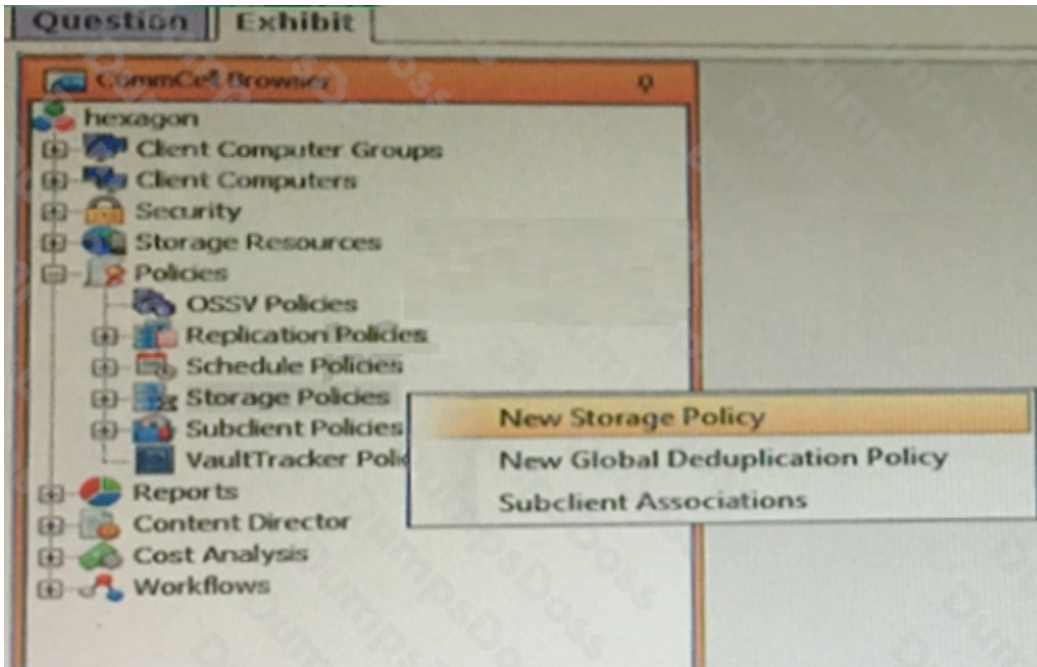
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## QUESTION NO: 1

Click the Exhibit button.



You have a SnapProtect v11 environment as shown in the exhibit. What are the two default Snapshot copies created automatically after creating a Storage Policy.

(Choose two.)

- A. Primary (Tape)
- B. Primary (Classic)
- C. Primary (NetApp)
- D. primary (Snap)

**ANSWER: B D**

## QUESTION NO: 2

Click the Exhibit button.

## Volume Relationships

Source Storage Vi...	Source Volume	Destination V...	Destination Sto...	Is Healthy	Relation...	Transfer...	Relationshi...	Lag Time
swm_fabricpool	demo_volume	demo_volume_dest	swm_fabricpool	Yes	Snapmirror...	Idle	Asynchrono...	14hr(s) 26 ...
swm_fabricpool	demo_volume	demo_volume_DR	swm_fabricpool	Yes	Snapmirror...	Idle	Asynchrono...	31 mins(s)
swm_fabricpool	project_a	project_a_dest	swm_fabricpool	Yes	Snapmirror...	Idle	Asynchrono...	31 mins(s)
swm_fabricpool	project_b	project_b_dest	swm_fabricpool	Yes	Snapmirror...	Idle	Asynchrono...	31 mins(s)
swm_fabricpool	project_c	project_bsnapvau...	swm_jlantz	Yes	Snapmirror...	Idle	Asynchrono...	31 mins(s)

A customer wants to ensure that their volumes are protected. In ONTAP System Manager, under the Protection section, you see the screen that is shown in the exhibit. The company has an asynchronous mirror policy of less than a 60-minute lag.

Referring to the exhibit, which volume has a lag that exceeds the company policy?

- A. svm\_fabricpool:demo\_volume -> svm\_fabricpool:demo\_volume\_dest
- B. svm\_fabricpool:project\_a -> svm\_fabricpool:project\_a\_dest
- C. svm\_fabricpool:demo\_volume -> svm\_fabricpool:demo\_volume\_DR
- D. svm\_fabricpool:project\_b -> svm\_fabricpool:project\_b\_dest

**ANSWER: C**

### QUESTION NO: 3

Using ONTAP System Manager, you are asked to replicate all the volumes contained in a Storage VM to a remote ONTAP 9.7 system for quick disaster recovery.

Which two steps need to be completed to accomplish this task? (Choose two.)

- A. Create a SnapMirror relationship for each volume.
- B. Create a cluster peering relationship.
- C. Create an SVM-DR relationship.
- D. Create an SVM peering relationship.

**ANSWER: B D**

### QUESTION NO: 4

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: 5**

A client is planning to configure a SnapMirror relationship between two sites. Normally their ISP provides network throughput of 100 Mbps; however, they can arrange to have this burst to 1 Gbps for a period of time at an additional cost.

Their intention is to back up 400 GB of Snapshot data each day using the burst option to keep the replication time to a minimum. In this scenario, how much burst time do they need to purchase?

- A. 15 minutes
- B. 30 minutes
- C. 45 minutes
- D. 60 minutes

**ANSWER: D**

**QUESTION NO: 6**

Click the Exhibit button.

<b>Hypervisor (OS)</b> Search Components <input type="checkbox"/> VMware ESXi 6.7 <input type="checkbox"/> VMware ESXi 6.7 (Update 1) <input type="checkbox"/> VMware ESXi 6.7 (Update 2) <input type="checkbox"/> VMware ESXi 6.7 (Update 3) <input checked="" type="checkbox"/> VMware ESXi 7.0 <input type="checkbox"/> VMware ESXi 6.0 <input type="checkbox"/> VMware ESXi 6.0 (Update 1) <input type="checkbox"/> VMware ESXi 6.0 (Update 3a)	<b>Hypervisor Management Client (Hos...</b> Search Components <input type="checkbox"/> VMware vCenter server 6.5 Update3 <input type="checkbox"/> VMware vCenter server 6.7 <input type="checkbox"/> VMware vCenter server 6.7 Update1 <input type="checkbox"/> VMware vCenter server 6.7 Update2 <input type="checkbox"/> VMware vCenter server 6.7 Update3 <input checked="" type="checkbox"/> VMware vCenter server 7.0 <input type="checkbox"/> VMware ESXi 6.5 Update3 <input type="checkbox"/> VMware vCenter server 6.0 Update3b	<b>ONTAP OS (NETAPP OS)</b> Search Components <input type="checkbox"/> ONTAP 9.1 <input type="checkbox"/> ONTAP 9.2 <input type="checkbox"/> ONTAP 9.3 <input type="checkbox"/> ONTAP 9.4 <input type="checkbox"/> ONTAP 9.5 <input checked="" type="checkbox"/> ONTAP 9.6 <input type="checkbox"/> ONTAP 9.7 <input type="checkbox"/> [EOVS] Clustered Data
<b>SnapCenter Host Plugin</b> Search Components <input type="checkbox"/> SnapCenter Plug-in 4.2.1 for Microsoft Windows <input type="checkbox"/> SnapCenter Plug-in 4.2.1 for UNIX <input type="checkbox"/> SnapCenter Plug-in 4.3 for Microsoft Windows <input type="checkbox"/> SnapCenter Plug-in 4.3 for UNIX <input type="checkbox"/> SnapCenter Plug-in 4.3.1 for Microsoft Windows <input type="checkbox"/> SnapCenter Plug-in 4.3.1 for UNIX <input type="checkbox"/> SnapCenter Plug-in 3.0 for Microsoft Windows <input type="checkbox"/> SnapCenter Plug-in 3.0 for UNIX	<b>SnapCenter Hypervisor Plugin</b> Search Components <input type="checkbox"/> SnapCenter Plug-in 4.3 for VMware vSphere <input type="checkbox"/> SnapCenter Plug-in 3.0 for VMware vSphere <input type="checkbox"/> SnapCenter Plug-in 3.0.1 for VMware vSphere <input type="checkbox"/> SnapCenter Plug-in 4.0 for VMware vSphere <input type="checkbox"/> SnapCenter Plug-in 4.1 for VMware vSphere <input type="checkbox"/> SnapCenter Plug-in 4.1.1 for VMware vSphere <input type="checkbox"/> SnapCenter Plug-in 4.2 for VMware vSphere <input type="checkbox"/> SnapCenter Plug-in 4.2.1 for VMware vSphere	<b>SnapCenter Server</b> Search Components <input type="checkbox"/> SnapCenter Server 4.2.1 <input type="checkbox"/> SnapCenter Server 4.3 <input type="checkbox"/> SnapCenter Server 4.3.1 <input type="checkbox"/> SnapCenter Server 3.0 <input type="checkbox"/> SnapCenter Server 3.0.1 <input type="checkbox"/> SnapCenter Server 4.0 <input type="checkbox"/> SnapCenter Server 4.1 <input type="checkbox"/> SnapCenter Server 4.1.1

An AFF A700 administrator is told that the VMware environment will be upgraded to vSphere 7 and it will continue to use NFSv3 for their datastores.

Referring to the exhibit, which version of SnapCenter Hypervisor Plugin and SnapCenter Server should they use?

- A. SnapCenter Plug-in 4.2.1 and SnapCenter Server 4.2.1
- B. SnapCenter Plug-in 4.3.1 and SnapCenter Server 4.3.1
- C. SnapCenter Plug-in 4.3 and SnapCenter Server 4.1
- D. SnapCenter Plug-in 4.3 and SnapCenter Server 4.3

**ANSWER: C**

**Explanation:**

Reference: [https://library.netapp.com/ecm/ecm\\_download\\_file/ECMLP2863451](https://library.netapp.com/ecm/ecm_download_file/ECMLP2863451)

## 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.

```
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: C**

**Explanation:**

Reference: <https://docs.netapp.com/ontap-9/topic/com.netapp.doc.dot-cm-nmg/Network%20and%20LIF%20management.pdf>

## QUESTION NO: 9

You recently set up a SnapMirror relationship with a daily update schedule. You want to verify that the updates are being performed daily.

Which two actions inside OnCommand System Manager would you ensure that the SnapMirror transfers are occurring daily? (Choose two.)

- A. In the Jobs window, verify that all manual Snapshot copy operations have completed in the past 24 hours.
- B. In the Jobs window, verify that all SnapMirror jobs have completed within the past 24 hours.
- C. In the Relationships window, verify that the relationship state was broken in the past 24 hours.
- D. In the Relationships window, verify that the lag time is less than 24 hours.

**ANSWER: B D****QUESTION NO: 10**

Click the Exhibit button.

SnapShot Name	SnapShot Time	SnapShot Delta
Nightly.0	12:05 am	5 GB
Hourly.0	10:00 pm	10 GB
Hourly.1	6:00 pm	25 GB
Hourly.2	2:00 pm	10 GB
Hourly.3	10:00 am	25 GB
Hourly.4	6:00 am	5 GB

A client has a SnapMirror relationship between two sites that is scheduled to run once a day at 12:15 a.m. They have a network connection between two sites that provides 100 Mbps on bandwidth. By performing the backup at this time, they can maximize their bandwidth use.

Referring to the exhibit, how long does the SnapMirror update take to finish?

- A. one hour
- B. four hours
- C. three hours
- D. two hours

**ANSWER: D**