Network-Appliance

Exam Questions NS0-162

NetApp Certified Data Administrator, ONTAP

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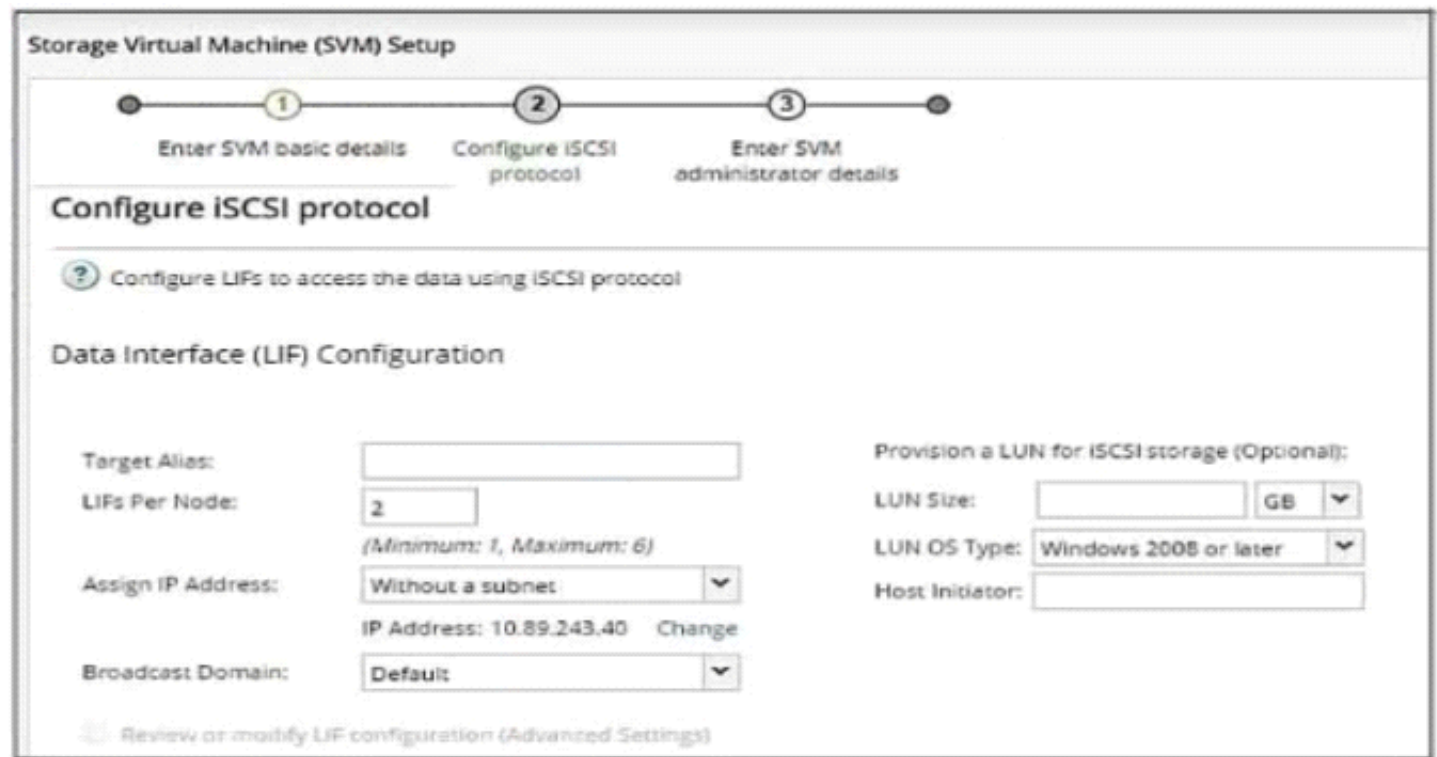   We will provide service round the clock.

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NEW QUESTION 1
Exhibit

You have a 4-node cluster.
How many ISCSI LIFs will be created from the SVM setup wizard, as shown in the exhibit?

A. 8
B. 6
C. 16
D. 2

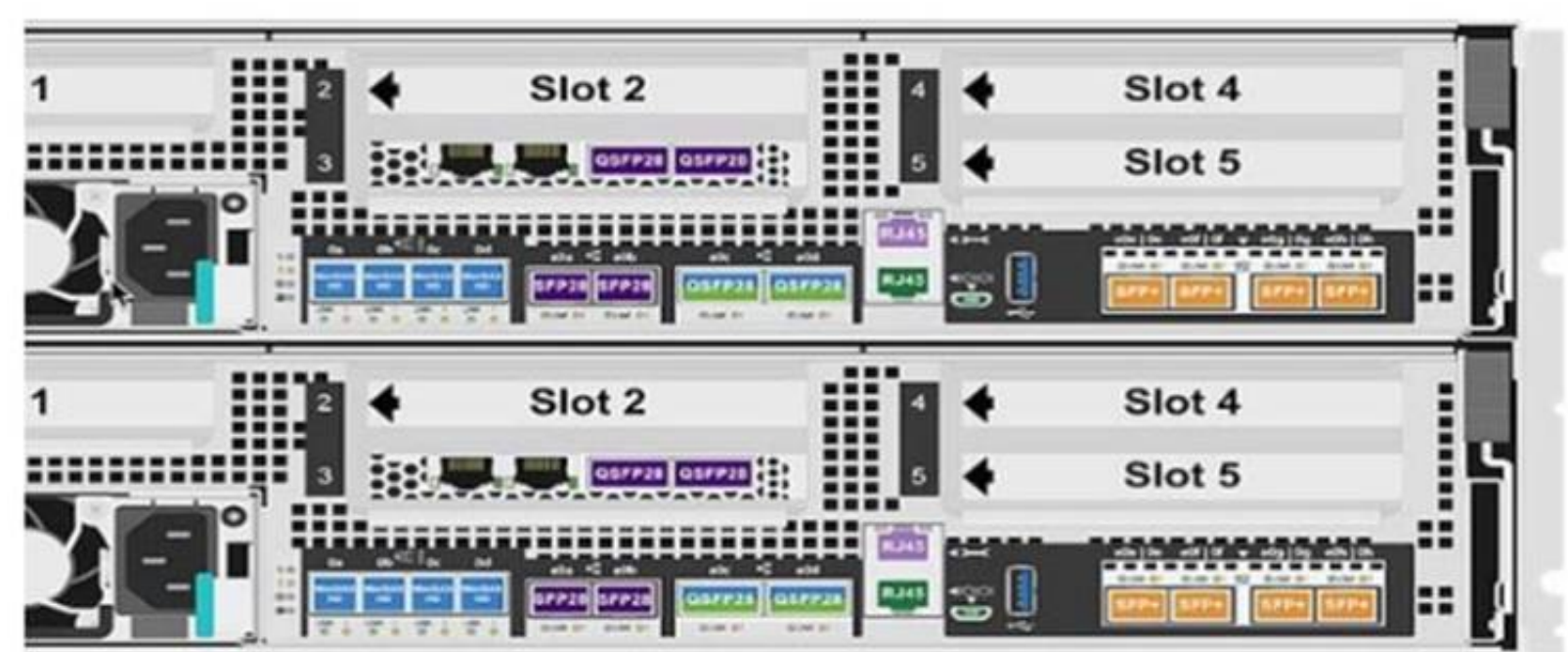**Answer:** A

NEW QUESTION 2
You have a 50 TO FlexGroup volume that is serving NFSv3 on a FAS8300 HA pair that Is running ONTAP 9.8 software of files. A Linux du command runs for days to count files.
In this scenario, which native ONTAP feature will report real-time file counts?

A. Quality of Service
B. Logical Space Reporting
C. volume autosize
D. File System Analytics

Answer: C

NEW QUESTION 3
Exhibit.

You are adding a NetApp AFF A400 system to an existing 4-node cluster and want to know which ports you would use to expand your cluster.
Referring to the exhibit, which tool would you use to accomplish this task?

A. Active 1Q Unified Manager
B. NetApp Interoperability Matrix (IMT)
C. Active IQ Conflg Advisor
D. NetApp Hardware Universe (HWU)

Answer: D

NEW QUESTION 4
Exhibit.

Network Interfaces

Interface Name	Storage Virtual Machine (SVM)	IP Address/WWPN	Current P...	Home Port	Data Protocol Access
🔴 epic_2_n1_2a	epic_2	20:2b:00:a0:98:e2:27:ce	A800_1:2a	Yes	fc_nvme
🔴 epic_2_n2_2a	epic_2	20:2a:00:a0:98:e2:27:ce	A800_2:2a	Yes	fc_nvme
🔴 epic_fcp_n1_2a	epic_fcp	20:05:00:a0:98:e2:27:ce	A800_1:2a	Yes	fcp
🔴 epic_fcp_n1_3a	epic_fcp	20:07:00:a0:98:e2:27:ce	A800_1:3a	Yes	fcp
🔴 epic_fcp_n2_2a	epic_fcp	20:25:00:a0:98:e2:27:ce	A800_2:2a	Yes	fcp
🔴 epic_fcp_n2_3a	epic_fcp	20:39:00:a0:98:e2:27:ce	A800_2:3a	Yes	fcp
🟢 epic_1_n1_2a	epic_1	20:28:00:a0:98:e2:27:ce	A800_1:2a	Yes	fc_nvme
🟢 epic_1_n2_2a	epic_1	20:29:00:a0:98:e2:27:ce	A800_2:2a	Yes	fc_nvme
🟢 epic_2_n1_3a	epic_2	20:37:00:a0:98:e2:27:ce	A800_1:3a	Yes	fc_nvme
🟢 epic_2_n2_3a	epic_2	20:38:00:a0:98:e2:27:ce	A800_2:3a	Yes	fc_nvme
🟢 A800_1_fc_lif_1	storage_eff	20:14:00:a0:98:e2:27:ce	A800_1:2c	Yes	fcp
🟢 A800_2_fc_lif_1	storage_eff	20:15:00:a0:98:e2:27:ce	A800_2:2c	Yes	fcp

Referring to the exhibit, what would cause a customer to have an Issue with SVM eplc_fcp when mapping a namespace to a host?

A. FC has not been licensed on the cluster.
B. NVMe Is not configured for the SVM.
C. FC switch zoning has not been done correctly.
D. NVMe is not licensed on the cluster.

Answer: B

NEW QUESTION 5
After creating several volumes, you notice that the hosting aggregates Immediately show a decrease In available space. Which volume setting would prevent this outcome?

A. space SLO set to "thick"
B. space guarantee set to "none"
C. space SLO set to "semi-thick"
D. space guarantee set to "volume"

Answer: B

NEW QUESTION 6
You are asked to create a data LIF to allow object storage access to a bucket that is hosted in ON TAP software. In this scenario, which service is required for the LIFs service data policy?

A. management-HTTPS
B. data-S3-server
C. management-BGP
D. cluster-core

Answer: C

NEW QUESTION 7
When you set up an ONTAP cluster, which two SVM types are automatically created? (Choose two.)

A. admin
B. node
C. data
D. cluster

Answer: AB

NEW QUESTION 8
Due to the increasing threat of ransomware, you must implement a secure and fast solution to recover files in your ONTAP cluster. The users should be able to recover their files from their Windows Desktop.
In this scenario, which two steps fulfill this requirement? (Choose two.)

A. Ensure that there is a Snapshot copy schedule for every volume containing files.
B. Ensure that the option to show previous versions on the SVM Is activated.
C. Ensure that the option to copy a FlexClone of each volume containing files is activated.
D. Ensure that the option to show previous versions on each share is activated.

Answer: AC

NEW QUESTION 9
You want to monitor system performance in real time.
In this scenario, which two tools would you use to accomplish this task? (Choose two.)

A. ONTAP System Manager
B. Active IQ Unified Manager
C. ONTAP CLI
D. Active IQ Digital Advisor

Answer: AC

NEW QUESTION 10
You have deployed an ONTAP C190 cluster enabled with the iSCSI protocol. Your manager asks for available options to protect the data on your cluster using the native SnapMirror technology.
In this scenario, which two products would satisfy this request? (Choose two.)

A. ONTAP Select
B. Cloud Volumes ONTAP
C. Cloud Volumes Service for AWS
D. Azure NetApp Files

Answer: AB

NEW QUESTION 10
After deploying an ONTAP 9.8 cluster, you want to disable the unused Ethernet ports. In this scenario, which two methods would accomplish this task? (Choose two.)

A. Use ONTAP System Manager.
B. Use the command line interface.
C. Use Active IQ Config Advisor.
D. Use Active IQ Unified Manager.

Answer: AB

NEW QUESTION 14
You need to configure data-at-rest encryption for your NetApp ONTAP 9.8 cluster. Your company does not have Key Management Interoperability Protocol (KMIP) services available but must require a passphrase to be entered when a node Is rebooted.
In this scenario, which two actions should be performed to satisfy these requirements? (Choose two.)

A. Configure an external key management server.
B. Enable onboard key management.
C. Enable cluster-wide FIPS-compliant mode.
D. Enable common criteria mode.

Answer: BD

Explanation:
Enabling onboard key management by default you are not required to enter a passphrase when the node is rebooted. To be asked the password , you need to enable the common criteria mode also.

NEW QUESTION 15
You are currently using SnapMIrror Synchronous (SM-S) to protect a critical workload at your organization and you want to convert the SnapMIrror policy from Sync to StrictSync.
In this scenario, which procedure allows you to achieve this task?

A. Recreate the SnapMirror relationship, specifying the strictsync policy, then re-synchronize it.
B. Modify the existing SnapMirror relationship specifying the strictsync policy, then re-synchronize It.
C. Recreate the SnapMIrror relationship, specifying the strictsync policy, then promote It.
D. Modify the existing SnapMirror relationship specifying the strictsync policy, then promote It.

Answer: A

Explanation:
KB included in the reference also confirms C is the correct answer. Here is another KB also confirming;
https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.pow-dap%2FGUID-AE2302D3-E489-43

NEW QUESTION 18
All SMB users are reporting that their network share performance Is slow on a new NetApp FAS500f HA pair. You determine that the users have converged network adapters (CNAs) with flow control enabled and no option to disable.
In this scenario, which two flow control settings are recommended on the NetApp ONTAP physical ports? (Choose two.)

A. Disable flow control end-to-end on data network ports.
B. Enable flow control end-to-end on cluster network ports.
C. Enable flow control end-to-end on data network ports.
D. Disable flow control end-to-end on cluster network ports.

Answer: CD

Explanation:
 https://kb.netapp.com/Advice_and_Troubleshooting/Data_Storage_Software/ONTAP_OS/What_are_the_flow_ Disable flow control on cluster network ports in the Data ONTAP cluster. Flowcontrol on the remaining

network ports (the ports that provide data, management, and intercluster connectivity) should be configured to match the settings within the rest of your environment.

NEW QUESTION 19
Exhibit

```
cluster1::> network interface create -vserver vs0 -lif datalif1 -role data -home-node node0 -home-port e0c -address 192.0.2.130 -netmask
255.255.255.0 -failover-policy broadcast-domain-wide -firewall-policy data

cluster1::> network route show
  (network route show)
Server              Destination      Gateway          Metric
-------------------- ---------------- ---------------- ------
node1
                    0.0.0.0/0        10.61.208.1      20
node2
                    0.0.0.0/0        10.61.208.1      20
vs0
                    0.0.0.0/0        10.61.208.1      20
3 entries were displayed.
```

After creating a new LIF called datalif1 on SVM vs0, you notice connectivity issues to the newly created LIF, as shown In the exhibit. You have verified that the new LIF Is online and the network team is able to see the MAC address on the switches.
Referring to the exhibit, what would cause connectivity Issues?

A. The home port needs to be modified to port e0d.
B. The route metric needs to be modified to a metric of 30.
C. The route needs to be modified to reflect the correct gateway.
D. The netmask needs to be modified to a /16 network.

Answer: A

NEW QUESTION 22
The source NAS volume of a SnapMirror relationship is unavailable due to networking issues at your organization's primary data center. You want to make the destination NAS volume writable so that clients are able to access their data.
Which two steps do you need to take to solve the issue? (Choose two.)

A. Break the SnapMirror relationship using the snapairrcr break command from the destination cluster.
B. Delete the SnapMirror relationship from the destination cluster.
C. Use the volume mount command to mount the NAS volume In the NFS namespace.
D. Break the SnapMirror relationship using the snapmirror break command from the source cluster.

Answer: CD

NEW QUESTION 25
A user wants existing data in a FlexVol created in ONTAP 9.1 to be placed into a FlexGroup volume with ONTAP 9.8. In this scenario, which two statements are true? (Choose two.)

A. Use XCP to copy data from a FlexVol to a FlexGroup.
B. Use SnapMirror to replicate data from FlexVol to FlexGroup.
C. You can convert the FlexVol volume to a FlexGroup volume.
D. A FlexVol to FlexGroup conversion is not supported.

Answer: BC

Explanation:
Starting with ONTAP 9.7, you can perform an in-place conversion of a FlexVol volume to a FlexGroup volume without requiring a data copy or additional disk space. Starting with ONTAP 9.7, you can convert standalone FlexVol volumes or FlexVol volumes that are in a SnapMirror relationship to FlexGroup volumes.

NEW QUESTION 28
Exhibit.

```
Cluster1::> ifgrp show
         Port        Distribution                         Active
Node     IfGrp       Function    MAC Address              Ports   Ports
-------- ----------- ----------- -------------------- ------- ---------------------
Node1
         a0a         ip          02:a0:98:f1:2e:be    partial e0c, e0d
Node2
         a1a         ip          02:a0:98:f1:21:88    full    e0c, e0d
2 entries were displayed.

Cluster1::> network port show -node Node1 -port e0c,e0d -fields mac,health-status
node                 port mac                 health-status
-------------------- ---- ----               --------------
Node1   e0c     00:a0:98:f1:2e:b2   degraded
Node1   e0d     00:a0:98:f1:2e:b3   healthy
```

You have received an alert from Active IQ Unified Manager that interface eOc has gone offline. Network engineering asks for the corresponding MAC address for the port that has a problem.
Referring to the exhibit, which MAC address would you supply to the engineering team?

A. 02:a0:98:fl:2e:be
B. 00:a0:98:fl:2e:b2
C. 00:a0:98:fl:2e:b3
D. 02:a0:98:fl:21:88

Answer: C

NEW QUESTION 33
Exhibit.

You have an ONTAP 9.8 cluster. After network maintenance, the LIF that is shown in the exhibit is not always on a correct port and is unreachable by users until the LIFs are moved to port eOc or eOd on either storage node.
In this scenario, which action should you take to ensure that the LIF only fails over to the correct ports?

A. Create a DNS load balancing zone.
B. Split the broadcast domain.
C. Create an IPspace.
D. Change the LIF's failover policy to sfo-partner-only

Answer: B

NEW QUESTION 34
Your company runs a NetApp AFF A220 cluster as a file server for NFS and SMB. You want to use one of the unused ports to connect a single Windows host directly, using FC. You have converted the UTA2 ports e0e and e0f to FC and equipped them with a 16-Gbps FC transceiver. Your Windows host fails to connect to the storage.
In this scenario, which action solves the problem?

A. Use an FC switch between storage and host.
B. Use the arbitrated loop topology on storage and host.
C. Use the point-to-point topology on all ports.
D. Use an Ethernet switch between storage and host.

Answer: A

Explanation:
You can configure FC and FC-NVMe SAN hosts with single nodes through one or more fabrics. N-Port ID Virtualization (NPIV) is required and must be enabled on all FC switches in the fabric. You cannot directly attach FC or FC-NMVE SAN hosts to single nodes without using an FC switch.

NEW QUESTION 39
Exhibit

```
na01::> network interface show -vserver dsm1-san01 -data-protocol fcp
                Logical       Status      Network                 Current           Current Is
Vserver         Interface     Admin/Oper  Address/Mask            Node              Port    Home
-----------     ----------    ----------  --------------------    ----------------  ------- ----
dsm1-san01
                dsm1-san01-01_fcA
                              up/up       20:06:00:a0:98:69:97:ff
                                                                  na01-01           1a      true
                dsm1-san01-01_fcB
                              up/up       20:07:00:a0:98:69:97:ff
                                                                  na01-01           1c      true
                dsm1-san01-02_fcA
                              up/up       20:08:00:a0:98:69:97:ff
                                                                  na01-02           1a      true
                dsm1-san01-02_fcB
                              up/up       20:09:00:a0:98:69:97:ff
                                                                  na01-02           1c      true
                dsm1-san01-03_fcA
                              up/up       20:17:00:a0:98:69:97:ff
                                                                  na01-03           0e      true
                dsm1-san01-03_fcB
                              up/up       20:18:00:a0:98:69:97:ff
                                                                  na01-03           0g      true
                dsm1-san01-04_fcA
                              up/up       20:19:00:a0:98:69:97:ff
                                                                  na01-04           0e      true
                dsm1-san01-04_fcB
                              up/up       20:1a:00:a0:98:69:97:ff
                                                                  na01-04           0g      true

na01::> lun mapping show -vserver dsm1-san01 -volume sql01_sysdb  -fields reporting-nodes
vserver         path                    igroup       reporting-nodes
--------------- ----------------------  ------------ -------------------------
dsm1-san01      /vol/sql01_sysdb/lun fcp_infraesx na01-01,na01-02,na01-03,na01-04
```

You have a 4-node ONTAP cluster and use FCP to access several LUNs. You perform a volume move to move a LUN (/vol/sql01_sysdb/lun) from node na01-01 to na01-03. After the move, you perform an HBA rescan from the host, but ALUA Is now seeing twice the number of paths to the LUN.
Referring to the exhibit, which action would solve the problem?

A. Update the Selective LUN Map configuration for the LUN mapping.
B. Change the MPIO policy on the host.
C. Ensure that the fabric zoning is correct.
D. Reboot the host.

Answer: A

NEW QUESTION 42
Exhibit.

```
CLUSTER-01::> lun show -instance

                    Vserver Name: svm500
                        LUN Path: /vol/LUN0/LUN0
                     Volume Name: LUN0
                      Qtree Name: ""
                        LUN Name: LUN0
                        LUN Size: 100GB
                         OS Type: vmware
               Space Reservation: enabled
                   Serial Number: 800Nc$QfenwV
             Serial Number (Hex): 3830304e63245166656e7756
                         Comment: VMware Host
       Space Reservations Honored: true
                Space Allocation: disabled
                           State: online
                        LUN UUID: daf3b456-cf79-4535-878b-4e43872836cc
                          Mapped: mapped
  Physical Size of Logical Block: 512B
                 Device Legacy ID: -
                 Device Binary ID: -
                   Device Text ID: -
                        Read Only: false
          Fenced Due to Restore: false
                       Used Size: 0
              Maximum Resize Size: 1023GB
                   Creation Time: 2/9/2021 17:59:56
                           Class: regular
           Node Hosting the LUN: CLUSTER-01
                QoS Policy Group: -
       QoS Adaptive Policy Group: -
             Caching Policy Name: -
                           Clone: false
          Clone Autodelete Enabled: false
             Inconsistent Import: false
                     Application: -
CLUSTER-01::> igroup show
Vserver    Igroup        Protocol OS Type  Initiators
---------  ------------  -------- -------- --------------------------------
svm500     ESX           iscsi    vmware   -
```

You create a storage virtual machine (SVM) called SVM500 that is provisioned for iSCSI. After creating a LUN in the SVM and mapping it to an igroup, the attached VMware hosts are unable to mount the LUN.
Referring to the exhibit, what is the issue?

A. The igroup contains the wrong protocol.
B. The igroup contains multiple Initiators.
C. The initiator is a member of igroups of different OS types.
D. The igroup does not contain the appropriate initiators.

Answer: B

NEW QUESTION 44
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