Vendor: Network Appliance

Exam Code:NS0-158

Exam Name: NetApp Certified Data Administrator,
ONTAP

Version: Demo

QUESTION 1

Which CLI command is used to move epsilon to a new node?

A. cluster modify

B. cluster identity modify

C. cluster setup

D. storage failover takeover

Correct Answer: A

Reassigning epsilon to another node in the cluster. Only one node in the cluster can hold epsilon. Epsilon gives the holding node an extra fractional voting weight in the quorum. Steps References: https://library.netapp.com/ecmdocs/ECMP1196798/html/GUID-5FAA5445- 0872-400B-B7AD-B27CEE3D770A.html

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QUESTION 2

Click the Exhibit button.

```
netapp01::> net int create -vserver acmefs01 -lif acmefs01 -role data -data-protocol cifs -
home-node netapp01-01 -home-port a0a-103 -address 10.1.100.64 -netmask 255.255.255.0
     (network interface create)

Info: Failed to create logical interface.
Error: command failed: Duplicate ip address 10.1.100.64
```

You manage a multi-tenant NetApp storage system. You start configuring an SVM for a new customer and receive the error shown in the exhibit when you attempt to create a LIF. You verify that the IP address is correct and that the customer LIF does not already exist. However, you see that another customer is using the same IP address in their SVM.

How would you correct this problem?

A. Create a new VLAN for the new customer.

B. Create the LIF with a different IP address.

C. Create an IPspace for the new customer.

D. Create a broadcast domain for the new customer.

Correct Answer: C

The IPspace feature enables a single storage system to be accessed by clients from more than one disconnected network, even if those clients are using the same IP address. References: https://library.netapp.com/ecmdocs/ECMP1155585/html/GUID-4C8A392E- 290E-4F9C-91E8-EBF3E2047B06.html

QUESTION 3

Which NetApp management tool verifies the disk-shelf cabling of an existing NetApp cluster?

A. System Setup

B. Config Advisor

C. OnCommand Unified Manager

D. OnCommand System Manager

Correct Answer: B

NetApp Config Advisor is a tool that will allow you to check the health and ensure your NetApp infrastructure is adhering to NetApp best practices. Once the Config Advisor query finishes, view the results and take corrective action on any configuration issues:

References: http://bestpracticetips.com/tag/config-advisor/

QUESTION 4

What are three causes of a storage failover partial giveback? (Choose three.)

A. iSCSI sessions are active.

B. AutoSupports are being generated.

C. NFSv3 mounts are active.

D. CIFS sessions are active.

E. SnapMirrors are running.

Correct Answer: BDE

When a giveback occurs, the storage will be once again homed to the owning node of the disks. However, this process can be vetoed in certain conditions, such as:

References: https://kb.netapp.com/support/s/article/ka21A0000000daaQAA/what-does- partial-giveback-mean-in-clustered-data-ontap?language=en_US

QUESTION 5

Click the exhibit button.

```
cluster-1::> volume show -vserver fg1_vs -is-constituent      *
Vserver    Volume       Aggregate      State     Type    Size    Available    Used%
-------    ------       ---------      -----     ----    ----    ---------    -----
fg1_vs     fg1          -              online    RW      250TB   172.86TB     56%
fg1_vs     fg1__0001    Aggr_cmode     online    RW      25TB    10.86TB      56%
fg1_vs     fg1__0002    aggr1          online    RW      25TB    10.86TB      56%
fg1_vs     fg1__0003    Aggr_cmode     online    RW      25TB    10.72TB      57%
fg1_vs     fg1__0004    aggr1          online    RW      25TB    10.73TB      57%
fg1_vs     fg1__0005    Aggr_cmode     online    RW      25TB    10.67TB      57%
fg1_vs     fg1__0006    aggr1          online    RW      25TB    10.64TB      57%
fg1_vs     fg1__0007    Aggr_cmode     online    RW      25TB    10.63TB      57%
fg1_vs     fg1__0008    Aggr_cmode     online    RW      25TB    10.67TB      57%
fg1_vs     fg1__0009    aggr1          online    RW      25TB    10.64TB      57%
fg1_vs     fg1__0010    Aggr_cmode     online    RW      25TB    10.63TB      57%
```

Referring to the exhibit, you have a FlexGroup volume that is 250 TB with 10 constituents. You apply the volume modify ?server fg1_vs ?olume fg1 ?ize 350TB command. What affect does the command have on the FlexGroup volume and its constituents?

A. It grows the FlexGroup volume to 600 TB by adding 14 new constituents.

B. It grows the FlexGroup volume to 350 TB by adding four new constituents

C. It grows the FlexGroup volume to 350 TB by increasing the size of each constituent to 35 TB.

D. It grows the FlexGroup volume to 600 TB by increasing the size of each constituent to 60 TB.

Correct Answer: C

If you want to add more space, you can increase the FlexGroup volume collective size. Increasing the size of the FlexGroup volume resizes the existing constituents of the FlexGroup.

If you want to increase the capacity by resizing the existing constituents then use the command: volume modify -vserver vserver_name -volume fg_name -size new_size References:
http://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.pow-fg- mgmt%2FGUID-79766621-ECFF-4A1A-A218-197BB73E985B.html

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QUESTION 6

Which two features are supported by SnapLock Enterprise but not by SnapLock Compliance? (Choose two.)

A. FlexArray

B. privileged delete

C. NetApp Volume Encryption (NVE)

D. SnapMirror

Correct Answer: BD

Features supported by SnapLock Enterprise but not by SnapLock Compliance include:

Note:

Comparison table of SnapLock Enterprise and SnapLock Compliance The SnapLock Enterprise and the SnapLock Compliance features differ in terms of the options and permissions available for both the features.

Features	SnapLock Enterprise	SnapLock Compliance
Special or exclusive license available	Yes	Yes
Write verification option available	No	Yes
Permission for the system administrator to destroy volumes irrespective of the retention setting	Yes	No
Permission for the system administrator to selectively delete the files (that are not expired) with the privileged delete feature	Yes	No
Non-NetApp disks support	Yes (as part of FlexArray)	No
Usage of a volume as a SnapLock log volume	No	Yes
Default retention period of a volume on creation (the retention period can be modified by the system administrator at any time)	snaplock_default_retention=min	snaplock_default_retention=max
Single file SnapRestore	Yes	No
SnapRestore	Yes	No
SnapMirror resynchronize support for the destination volume	Yes	No
Log information related to LockVault volumes are available	Yes	Yes
Permission to rename an aggregate or a volume	Yes	No

References: https://library.netapp.com/ecmdocs/ECMP1368820/html/GUID-9E05FE59- BF40-4C22-AD4D-ACBCB552D9A0.html

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QUESTION 7

Click the Exhibit button.

```
cluster-1::> network port show -health

Node      Port      Link       Status       Degraded Reasons
-------   -------   ---------  -----------   -----------------
node1
          e0a       up         healthy       -
          e0b       up         healthy       -
          e0c       up         healthy       l2_reachability
          e0d       up         healthy       -
node2
          e0a       up         healthy       -
          e0b       up         healthy       -
          e0c       up         healthy       -
          e0d       up         healthy       -
8 entries were displayed.
```

While reviewing the port health shown in the exhibit, you notice that port e0c on node1 is degraded. What would cause this problem?

A. The port is not plugged into a switch.

B. The port is in the wrong broadcast domain.

C. The port does not have an IP address.

D. The port has been flapping.

Correct Answer: B

L2 reachability health monitor: Monitors whether all ports configured in the same broadcast domain have L2 reachability to each other. This health monitor reports L2 reachability issues in all IPspaces; however, it marks only the ports in the cluster IPspace as degraded.

QUESTION 8

What is the minimum number of disks required to create a data aggregate with a RAID type of RAID-TEC?

A. 7

B. 6

C. 5

D. 4

Correct Answer: B

The aggregate that is to be converted to RAID-TEC must have a minimum of six disks.

References: http://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.dot-cm- psmg%2FGUID-E63A0CB2-10B6-4998-AE34-10A5F8998361.html
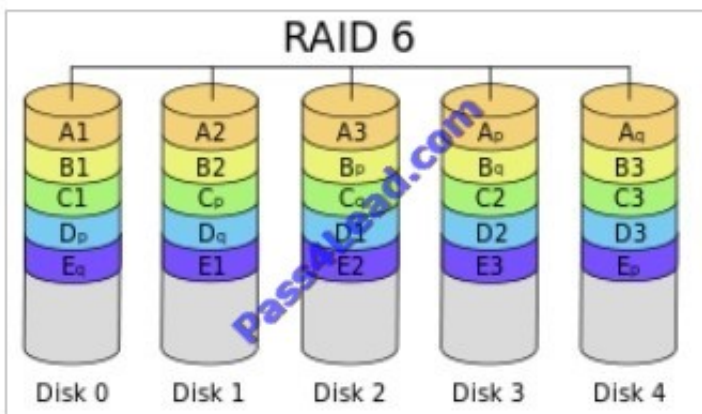

QUESTION 9

Click the Exhibit button.

The size of the aggr1 RAID group shown in the exhibit is 8. What is the RAID type?

A. RAID-TEC

B. RAID-DP

C. RAID4

D. RAID0

Correct Answer: B

RAID 6 extends RAID 5 by adding another parity block; thus, it uses block-level striping with two parity blocks distributed across all member disks. Figure: Diagram of a RAID 6 setup, which is identical to RAID 5 other than the addition of a second parity block

QUESTION 10

Click the Exhibit button.

```
net-f8040-34::> ucadmin show

                                Current           Current    Pending    Pending    Admin
Node                  Adapter   Mode              Type       Mode       Type       Status
----------------      --------  ---------------   -------    -------    -------    ------
net-f8040-34-01       1a        cna               target     -          -          offline
net-f8040-34-01       1b        cna               target     -          -          offline
```

An administrator installed UTA2 PCIe cards into an existing FAS8200 HA pair. The new cards will be used for native FC traffic. The administrator wants to configure the UTA2 ports for FC client access. Referring to the exhibit, which two actions address the requirement? (Choose two.)

A. Use the network fcp adapter modify command to bring the adapter online.

B. Reboot the node to bring the adapter online after final configuration.

C. Use the system hardware unified-connect command to verify that the port mode is set to initiator.

D. Use the ucadmin modify command to set the adapter mode to FC.

Correct Answer: BD

B: Ports must be converted in pairs, for example, 0c and 0d, after which, a reboot is required, and the ports must be brought back to the up state.

D: CNA ports can be configured into native Fibre Channel (FC) mode or CNA mode.

If the current configuration does not match the desired use (here we want to change from CNA mode to FC mode), enter the following commands to change the configuration as needed:

system node hardware unified-connect modify -node node_name -adapter adapter_name - mode fc|cna -type target|initiator
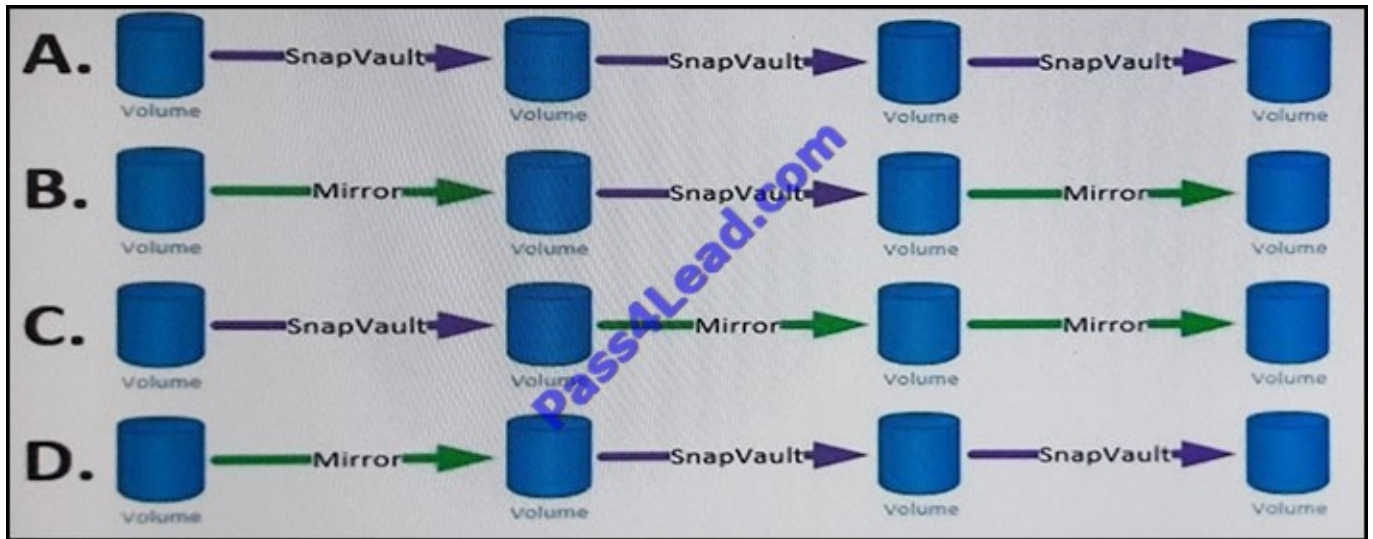
-mode is the personality type, fc or 10GbE cna.

-type is the FC4 type, target or initiator.

References: https://library.netapp.com/ecmdocs/ECMP1151595/html/GUID-1D06A7C4-F354-4793-A331-68A2CD916084.html

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QUESTION 11

Click the Exhibit button.

Which two data protection deployment configurations shown in the exhibit are supported? (Choose two.)

A. configuration D

B. configuration C

C. configuration A

D. configuration B

Correct Answer: AC

You can use SnapVault to protect a volume SnapMirror destination. You can perform SnapVault transfers from the volume SnapMirror destination when you want to retain the data for a longer period. References: https://library.netapp.com/ecmdocs/ECMP1196991/html/GUID-CD48796E- 5FD1-4C2E-B0B2-5773B1A6203C.html

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QUESTION 12

You want to use UTA2 ports for native FC LUN access. How do you accomplish this task?

A. Configure the UTA2 ports as target ports with 16 Gb SFP+ transceivers.

B. Configure the UTA2 ports as target ports with 10 Gb SFP+ transceivers

C. Configure the UTA2 ports as initiator ports with 10 Gb SFP+ transceivers

D. Configure the UTA2 ports as initiator ports with 16 Gb SFP+ transceivers

Correct Answer: D

Native Fibre Channel drives attach directly to the Fibre Channel SAN, eliminating the need for a router.

NetApp uses the marketing term "UTA2" to refer to a new generation of network adapters that can be configured as either 10-Gb Ethernet and FCoE ports or as 16-Gb FC initiator or target ports.

References: https://library.netapp.com/ecmdocs/ECMP1636035/html/GUID-EC0DDAEE- 1178-48EF-B90D-0A7DF498F71B.html

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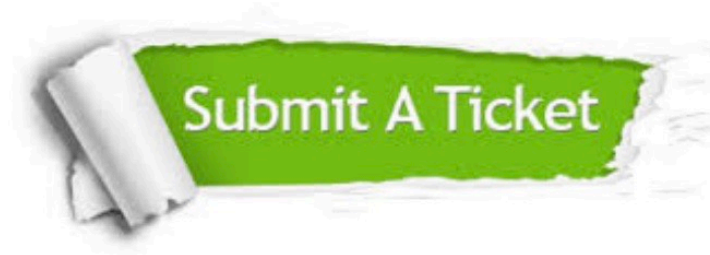
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