Exam Questions NS0-159

NetApp Certified Data Administrator, ONTAP

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NEW QUESTION 1
You want e-mail notifications sent to you automatically when latency reaches a warning level of 15 milliseconds and a critical level of 20 milliseconds on a volume that stores your Oracle database files.
In this- scenario, which type of threshold policy should be created within OnCommand Unified Manager?

A. a LUN Threshold Policy
B. a Volume Threshold Policy
C. an SVM Threshold Policy
D. a Cluster Threshold Policy

Answer: B

NEW QUESTION 2
A storage administrator has a Linux Oracle database that is using a SAN configuration with multiple dualported FC HBA connections for path resiliency and performance. The HBA ports are configured to separate FC switches.
Before configuring the LUNs from the storage, what information must be obtained from the host? (Choose three.)

A. the status of ALUA
B. the WWPNs of all of the FC ports installed
C. the speed of the FC ports of the host HBAs
D. the status of the multipathing driver
E. the amount of cache memory installed

Answer: BCD

NEW QUESTION 3
You configure a new LUN on a NetApp cluster, and you can successfully access it from the host. An application using the new LUN is having storage performance problems, and ONTAP is reporting misalignment on the LUN.
In this scenario, what is causing the performance and misalignment problems?

A. The LUN was created with the incorrect OS type.
B. The host does not support ALUA.
C. The igroup is configured without Selective LUN Mapping (SLM).
D. The host is using a non-optimized SAN path.

Answer: A

NEW QUESTION 4
You want to create a new storage pool of SSDs to provide a performance tier for FlashPool-enabled aggregates on node1 and node2. You expect that the FabricPool aggregates on node1 will require more of the performance tier than the aggregates on node2.
Which action satisfies the requirement?

A. Use the storage pool reassign command to reassign storage pool allocation units from node2 to node1.
B. Use the storage disk reassign command to reassign disk from SSD storage pool from node2 to node1.
C. Use the storage pool add command to add HDDs to the FabricPool aggregates on node1.
D. Use the storage pool modify command to change the parity of the RAID groups in the storage pool to RAID-4.

Answer: A

NEW QUESTION 5
With which type of I/O is data compaction beneficial?

A. I/O and files 16 KB or larger
B. I/O and files 8 KB or larger
C. I/O and files less than 2 KB
D. I/O and files 4 KB or larger

Answer: D

NEW QUESTION 6
You create a Snapshot copy of a new volume.
Which activity increases the size of the new Snapshot copy?

A. deleting data that was written to the volume after the Snapshot copy was created
B. writing new data to the volume after the Snapshot copy was created
C. reading data that was written to the volume before the Snapshot copy was created
D. deleting data that was written to the volume before the Snapshot copy was created

Answer: D

NEW QUESTION 7
On which two types of ports would data LIFs be hosted? (Choose two.)

A. physical ports or interface groups that host VLANs
B. physical ports that are not part of interface groups

C. console RJ45 port
D. management e0M port

Answer: AB

Explanation: hysical ports that are not part of interface groupsInterface groupsVLANsPhysical ports or interface groups that host VLANshttps://library.netapp.com/ecmdocs/ECMP1636021/html/GUID-039A758B-E5A3-4085-B808-8573E55

NEW QUESTION 8
What are three default settings for SAN volumes when volumes are created with System Manager on AFF solutions? (Choose three.)

A. Volume space is reserved from the aggregate.
B. Aggregate inline deduplication is enabled.
C. Volume compression is enabled.
D. Volumes are thin provisioned.
E. Volumes have the default snapshot schedule enabled.

Answer: BCD

NEW QUESTION 9
A customer wants to add nodes to an 8-node AFF A700 NAS cluster. In this scenario, what is the maximum number of additional nodes?

A. 12
B. 24
C. 8
D. 16

Answer: D

NEW QUESTION 10
Which three name services are supported with NFS? (Choose three.)

A. External NIS domains (NIS)
B. External LDAP domains (LDAP)
C. NetBIOS
D. WINS
E. Local Users (file)

Answer: ABE

NEW QUESTION 10
Click the Exhibit button.

```
::> storage failover show
                    Takeover
Node    Partner  Possible   State Description
------  -------  ---------  ------------------
node1   node2    -          Waiting for giveback
node2   node1    false      In takeover.
node3   node4    -          Waiting for giveback
node4   node3    false      In takeover, Auto giveback will be
initiated in 30 seconds
```

Your 4-node cluster has two controllers in takeover as shown in the exhibit.
Which action must be performed to ensure a giveback occurs on both nodes?

A. Perform a giveback of node1.
B. Perform a giveback of node4.
C. Perform a giveback of node3.
D. Perform a giveback of node2.

Answer: B

NEW QUESTION 15
Click the Exhibit button.
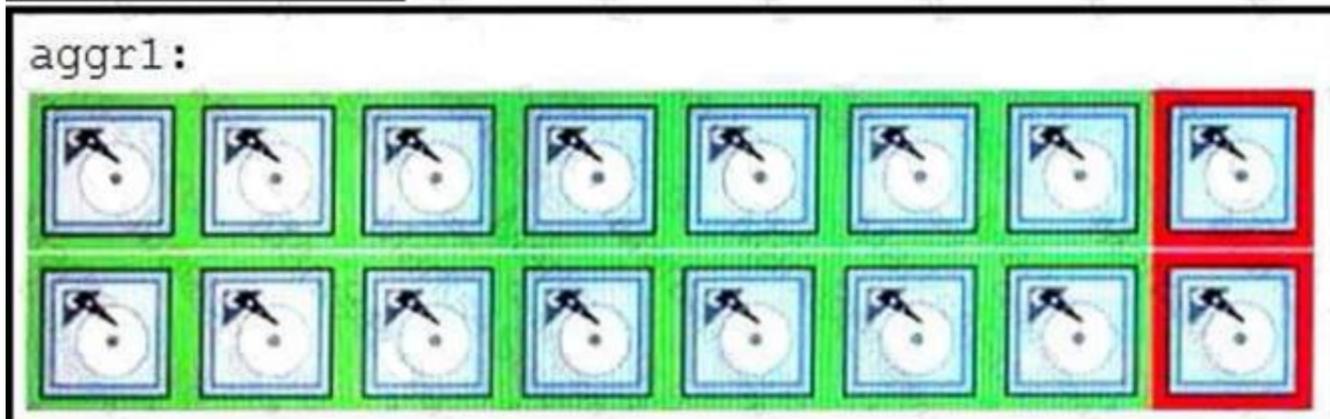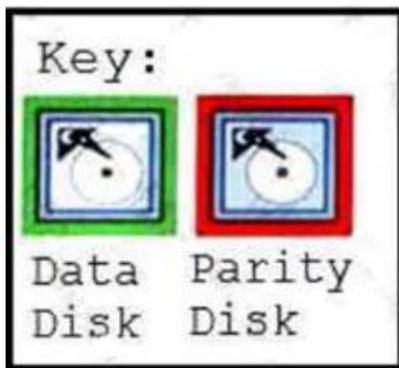
If you change the aggr1 RAID type shown in the exhibit from RAID-DP to RAID-TEC, how many additional disks are required?

A. 3
B. 2
C. 1

Answer:

Explanation: Raid-Tec needs a minimum of 6 disks.

NEW QUESTION 18
You have a 4-node cluster with 2x AFF A300 and 2x FAS8200 controllers. One of the AFF A300 controllers has a 50 TB FlexVol volume that needs an immediate read-write copy for standalone testing on one of the FAS8200 controllers.
Which two commands combined accomplish this task? (Choose two.)

A. volume rehost
B. volume clone create
C. volume move
D. volume clone split

Answer: BD

NEW QUESTION 21
Your customer has a Windows user that must access a volume with UNIX security style permissions. What must be done to enable the Windows user to access the volume?

A. A separate volume with an NTFS security style must be created.
B. The volume's security style must be changed to NTFS.
C. The volume's security style must be changed to Mixed.
D. The Windows user must be mapped to a valid UNIX user.

Answer: A

NEW QUESTION 24
What is the minimum number of disks required to create a RAID-DP data aggregate?

A. 4
B. 6
C. 3
D. 5

Answer: D

NEW QUESTION 27
You use the Automated Workload Analyzer (AWA) to identify workloads that would benefit from which feature?

A. Flash Pool aggregates
B. Advances Disk Partitioning
C. storage efficiency
D. FabricPool capacity tier

Answer: A

NEW QUESTION 28
When a cluster is created, which two objects are required to provide management access? (Choose two.)

A. data LIFs
B. data SVM
C. management LIFS
D. admin SVM

Answer: CD

NEW QUESTION 30
Where would a cluster administrator move a FlexVol volume using the volume move command?

A. to aggregates on other nodes in the cluster
B. only to an aggregate on the partner node
C. to any node that does not host a SnapMirror of the same FlexVol
D. to another SVM in the cluster

Answer: A

NEW QUESTION 35
Click the Exhibit button.

```
destination_cluster::> snapmirror policy create -vserver dvs1 -policy exclude_LIF -type async-mirror -discard-configs network

destination_cluster::> snapmirror create -source-path vs1: -destination-path dvs1: -type DP -throttle unlimited -policy exclude_LIF -
schedule hourly -identity-preserve true


destination_cluster::> snapmirror show
                                                     Progress
Source                Destination  Mirror          Relationship   Total              Last
Path         Type     Path         State           Status         Progress  Healthy  Updated
-----------  ----     -----------  -------------   ------------   ---------  -------  --------
vs1:         DP       dvs1:        Snapmirrored    Idle           -          true     -
```

The source SVM vs1 has 50 CIFS shares, 100 NFS export policies, and four data LIFs.
Referring to the SVM disaster recovery output shown in the exhibit, which two statements are true? (Choose two.)

A. CIFS shares and NFS export policies are not migrated from the source to the destination.
B. LIFs are not migrated from the source to the destination.
C. CIFS shares and NFS export policies are migrated from the source to the destination.
D. LIFs are migrated from the source to the destination.

Answer: BD

NEW QUESTION 40
You want to asynchronously replicate an SVM's volumes and configuration to another NetApp cluster. Which data protection technology accomplishes this task?

A. MetroCluster
B. SnapVault
C. SVM disaster recovery
D. SnapMirror

Answer: C

NEW QUESTION 44
Which two statements about replicating FlexGroup volumes are true? (Choose two.)

A. You can increase the capacity of a FlexGroup volume that is being replicated.
B. You cannot perform a resync on a FlexGroup SnapMirror relationship after it has been broken.
C. The SnapMirror relationship type must be XDP.
D. The SnapMirror relationship type must be DP.

Answer: AB

NEW QUESTION 46
Which NetApp tool is used to perform a configuration validation and health check that includes a high availability setup?

A. SnapCenter
B. Hardware Universe
C. Config Advisor
D. Inventory Collect Tool

Answer: C

NEW QUESTION 47

Which two actions would you take to create a FlexGroup for the SVM vsO in an NFSv3 environment? (Choose two.)

A. Use the volume flexgroup deploy command.
B. Enable the -v3-64bit-identifiers parameter.
C. Enable the -v3-f sid-change parameter.
D. Use the aggregate create command.

Answer: AB

NEW QUESTION 49
ONTAP Select 9.3 supports which three configurations? (Choose three.)

A. eight node
B. four node
C. single node
D. three node
E. two node

Answer: BCE

NEW QUESTION 52
You want to enable jumbo frames for iSCSI traffic on your cluster. To satisfy this requirement, what would you modify on the cluster?

A. broadcast domains
B. igroups
C. iSCSI LIFs
D. network ports

Answer: A

NEW QUESTION 54
You need to create a new LIF on WLAN 10. The port-channel configuration on the upstream switch has VLAN 10 set to the native (untagged) VLAN.
In this scenario, what should be set as the LIF's home port?

A. a0a
B. a0a-10
C. e0c-10
D. e0c

Answer: B

NEW QUESTION 56
You have an 8-node cluster and need to test a ping to all cluster interconnect ports between all of the eight in one command.
Which advanced command would accomplish this task?

A. cluster ping-cluster
B. network ping6
C. network ping
D. cluster peer ping

Answer: A

NEW QUESTION 60
The vsadmin account for SVM vs1 is unlocked and configured with a password.
Which two statements are true about login methods for the vsadmin account? (Choose two.)

A. You access SSH.
B. You access ONTAP API
C. You access Onommand System Manager.
D. You access Onommand Unified Manager.

Answer: AB

NEW QUESTION 64
Click the Exhibit button.

```
NetApp
cluster01::> volume mount -vserver departments -volume finance -junction-path /depth/fin
cluster01::> volume unmount -vserver departments -volume finance
cluster01::> volume mount -vserver departments -volume finance -junction-
path /departments/finance

UNIX
# mkdir /tmp/fin
```

Assuming that the export policy on the storage allows access, you want to enable client access to the finance volume in the departments SVM in the /tmp/fin directory.
Referring to the exhibit, which UNIX command must be executed to accomplish this task?

A. mount –t nfs –o nfsvers=3 cluster01:/finance /tmp/fin
B. mount –t nfs –o nfsvers=3 cluster01:/fin /tmp/fin
C. mount –t nfs –o nfsvers=3 cluster01:/dept/fin /tmp/fin
D. mount –t nfs –o nfsvers=3 cluster01:/departments/finance /tmp/fin

Answer: D

NEW QUESTION 67
Which two network neighbor discovery protocols are supported in ONTAP 9.3? (Choose two.)

A. DNS
B. CDP
C. LLDP
D. LDAP

Answer: BC

NEW QUESTION 69
Which three objects are restorable from a FlexVol Snapshot copy? (Choose three.)

A. FlexVol volume
B. file
C. NFS export
D. LUN
E. qtree

Answer: ABD

NEW QUESTION 73
You are running out of space on an aggregate and decide to move a FlexVol volume to a different aggregate. You do not want to move the Snapshot copies with the volume.
Which two actions satisfy your requirement? (Choose two.)

A. Use the volume move command on the FlexClone volume.
B. Use the storage aggregate relocation command on the node.
C. Create a FlexClone volume.
D. Use the volume rehost command on the FlexClone volume.

Answer: AB

NEW QUESTION 75
What are three advantages of configuring network subnets? (Choose three.)

A. The default gateway is automatically added to the SVM.
B. The DNS zone is automatically set on the NAS LIF.
C. The subnet mask is automatically set on the NAS LIF.
D. The flow control is automatically set on the port.
E. The IP address is automatically set on the NAS LIF.

Answer: ABE

NEW QUESTION 77
A customer requires that their data is fully protected from theft, both at the volume layer and at the disk layer. Which two features of ONTAP satisfy this requirement? (Choose two.)

A. Kerberos
B. NetApp Volume Encryption
C. Challenge Handshake Authentication Protocol
D. NetApp Storage Encryption

Answer: BD

NEW QUESTION 82
What are two security types available for NFSv3 shares? (Choose two.)

A. mixed
B. Kerberos v5
C. AUTH_SYS
D. unified

Answer: BC

NEW QUESTION 87
In an aggregate with only thick-provisioned volumes, you need to split a FlexClone volume from its parent volume. There are other volumes in the aggregate. In this scenario, how much space must be available within the containing aggregate?

A. You need enough space for twice the size of the parent volume.
B. The split FlexClone volume must be created in a new aggregate.
C. You need enough space for half the size of the parent volume.
D. You need to double the space in the existing aggregate.

Answer: A

NEW QUESTION 90
Which three data protocols are supported simultaneously in a single storage virtual machine (SVM)? (Choose three.)

A. InfiniBand
B. CIFS
C. iSCSI
D. HTTP
E. FCP

Answer: BCE

Explanation: Reference
https://library.netapp.com/ecmdocs/ECMP1636037/html/GUID-376578BA-A7DA-45F6-A1D5-972D6A7A741

NEW QUESTION 95
Click the Exhibit button.

```
vol create -vserver AFF_SAN_DEFAULT_SVM -volume vol_test1 -aggregate aff_01 -size 50GB -state
online -space-quarantee-none

lun create -vserver AFF_SAN_DEFAULT_SVM -path /vol/vol_test1/lun -size 50g -ostype windows -
space-reserve disabled
```

You use the commands shown in the exhibit to provision a FlexVol volume and LUN on an AFF A300. The volume shows 40% storage efficiency savings. In which container is the free space returned?

A. gtree
B. aggregate
C. RAID group
D. LUN

Answer: B

NEW QUESTION 99
On an All Flash FAS, where is the root parity information located on a node using Advanced Disk Partitioning?

A. on a single SSD drive, regardless of RAID type
B. on a single SSD partition
C. distributed among SSD partitions
D. on two SSD drives, regardless of RAID type

Answer: D

NEW QUESTION 100
Click the Exhibit button.

```
alphana1::qos> qos policy-group show
Name       Vserver       Class          Wklds      Throughput
--------   -----------   ------------   --------   -----------
BronzeQoS  alphasan1     user-defined   2          0-50MB/s
BronzeQoS  lab-fs1       user-defined   4          0-1000IOPS
2 entries were displayed.


alphana1::qos> vol show -fields vserver,volume,qos-policy-group
vserver        volume          qos-policy-group
-----------    -----------     --------------------
alphana1-01    vol0            -
alphana1-02    vol0            -
alphasan1      alphasan1       BronzeQoS
alphasan1      labesx_boot     -
alphasan1      labrvm_boot     -
alphasan1      labxen_boot     -
alphasan1      sql_cls         BronzeQoS
lab-fs1        lab_fs1_root    -
lab-fs1        shares0         BronzeQoS
lab-fs1        images0         BronzeQoS
lab-fs1        iso_images      BronzeQoS
lab-fs1        home_dirs       BronzeQoS
12 entries were displayed.
```

Referring to the exhibit, what is the throughput limit for the shares0 volume?

A. 250 IOPS
B. 25 MB/s
C. 50 MB/s
D. 1000 IOPS

Answer: D

NEW QUESTION 105
Which three configurations does ONTAP Select support? (Choose four.)

A. 2-node cluster hosting NAS and iSCSI
B. 3-node cluster hosting NAS and iSCSI
C. single-node cluster hosting NAS and iSCSI
D. 4-node cluster hosting NAS and iSCSI
E. 6-node cluster hosting NAS and iSCSI

Answer: ACDE

Explanation: ONTAP Select can be deploy in a solution of 1, 2, 4, 6 or 8 nodes for NFS, SMB/CIFS & iSCSI

NEW QUESTION 108
You are provisioning a LUN for a new host.
In this scenario, which three objects must exist? (Choose three.)

A. volume
B. export policy
C. LUN
D. igroup
E. interface group

Answer: ABC

NEW QUESTION 111
A storage administrator moves a LUN from one volume to another. In this scenario, what is left behind in the volume?

A. clones of the LUN
B. LUN geometry settings
C. all of the deduplicated blocks from the base LUN
D. Snapshot copies of the volume

Answer: C

NEW QUESTION 116
Click the Exhibit button.
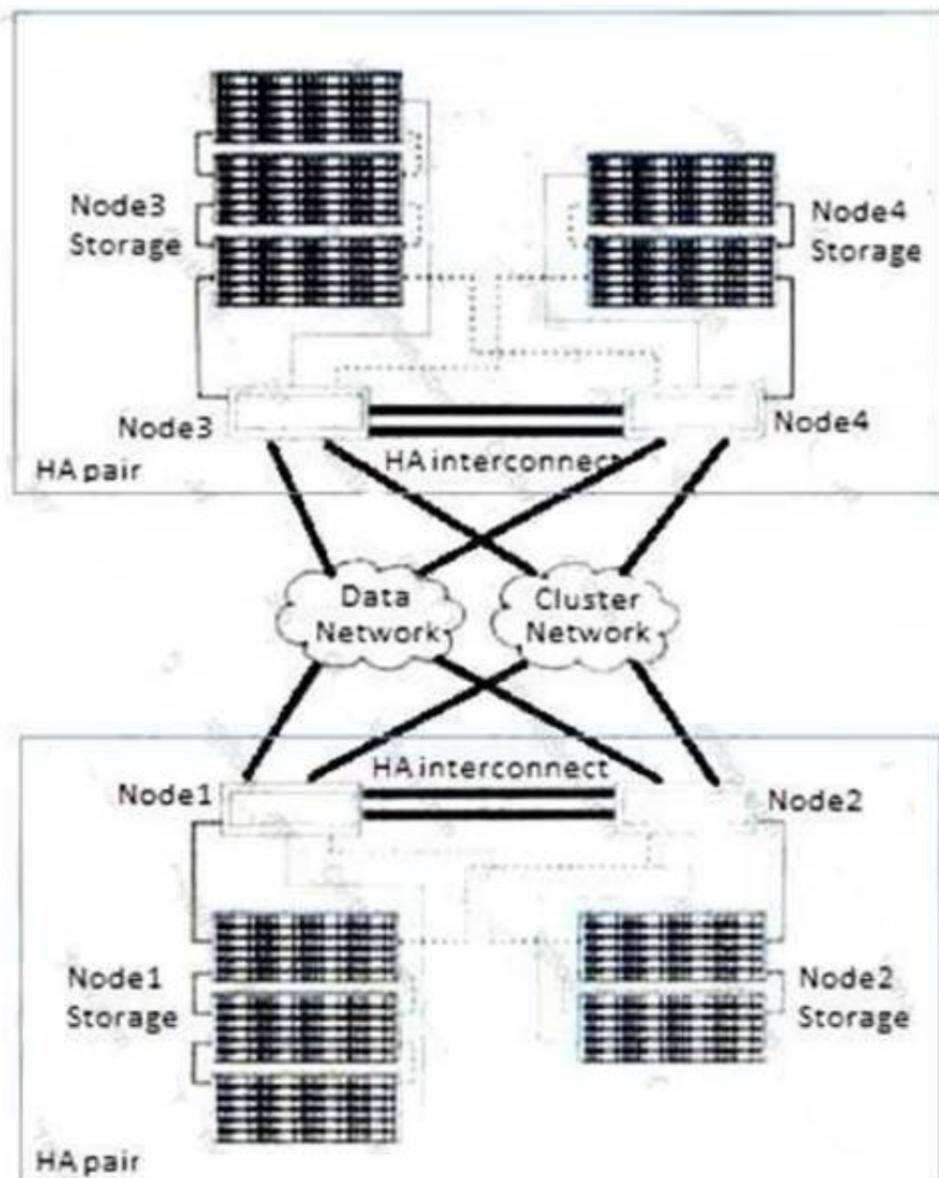
Key to storage connections
— Primary connection
— Redundant primary connection
----- Standby connection
Redundant standby connection

Referring to the exhibit, what is a valid storage failover scenario?

A. Node 1 fails and Node 2 takes over Node 1's storage.
B. Node 2 fails and Node 3 takes over Node 2's storage.
C. Node 3 fails and Node 1 takes over Node 3's storage.
D. Node 4 fails and Node 2 takes over Node 4's storage.

Answer: A

NEW QUESTION 121
You have an AFF A300 2-node cluster and are adding a FAS8200 to this cluster for additional storage capacity. You want to move a volume to one of the FAS8200 nodes.
Which ONTAP command is used to accomplish this task?

A. volume move
B. volume rehost
C. volume aggr vacate
D. aggr relocate

Answer: A

NEW QUESTION 123
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