

Exam Questions NS0-162

NetApp Certified Data Administrator, ONTAP

<https://www.2passeasy.com/dumps/NS0-162/>



NEW QUESTION 1

You have finished deploying a NetApp AFF A400 cluster.

Before you place the array into production, which two tools should be used to validate the deployment? (Choose two.)

- A. OnCommand Workflow Automation
- B. Active IQ Unified Manager
- C. Active IQ Config Advisor
- D. Active IQ Web site

Answer: AB

NEW QUESTION 2

Auditing has been enabled and configured on your ONTAP storage system. You have also created audit policies to monitor files and folders. Auditing has been running for over six months. You want to ensure that there have been no improper file access attempts.

How would you accomplish this task?

- A. Import EVTX files into Microsoft SQL.
- B. Import EVTX files into Microsoft Event Viewer.
- C. Use Microsoft System Center to read EVTX files.
- D. Use the Active IQ Web site to read EVTX files.

Answer: D

NEW QUESTION 3

You are performing an ONTAP upgrade with an intercluster data protection SnapMirror relationship in this scenario, which two steps must be performed before an NDU? (Choose two.)

- A. SnapMirror operations must be suspended.
- B. The destination cluster must be upgraded first.
- C. The source cluster must be upgraded first.
- D. SnapMirror operations must be broken.

Answer: AC

NEW QUESTION 4

You have a 2-node NetApp FAS500f system serving NAS and SAN protocols. The cluster is running NetApp ONTAP 9.8. You have a requirement to use SnapMirror to mirror your data to public cloud object storage.

In this scenario, which ONTAP native solution is supported?

- A. Flash Pool
- B. Cloud Backup Service
- C. Cloud Compliance service
- D. Cloud Sync

Answer: D

NEW QUESTION 5

You have a 50 TB 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.

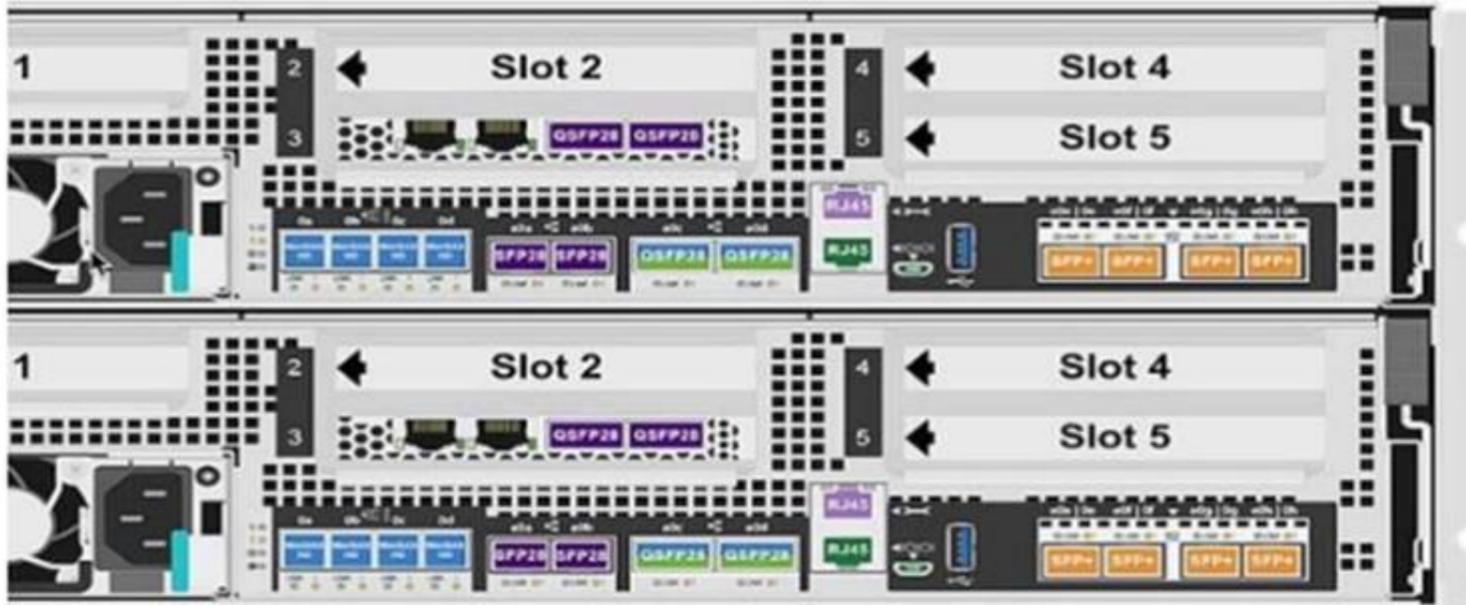
In this scenario, which native ONTAP feature will report real-time file counts?

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

Answer: C

NEW QUESTION 6

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

Answer: D

NEW QUESTION 7

Exhibit.

```
cluster1::> cluster peer show -instance

Peer Cluster Name: cluster2
Remote Intercluster Addresses: cluster2-d2, 10.98.234.246
Availability of the Remote Cluster: Partial
Remote Cluster Name: cluster2
Active IP Addresses: 10.98.234.246, 10.98.234.243
Cluster Serial Number: 1-80-123456
Remote Cluster Nodes: cluster2-01, cluster2-02
Remote Cluster Health: false
Unreachable Local Nodes: -
Address Family of Relationship: ipv4
Authentication Status Administrative: use-authentication
Authentication Status Operational: ok
Last Update Time: 02/05 21:05:41
IPspace for the Relationship: Default
```

The availability of the remote cluster in the peering relationship shows "Partial." Referring to the exhibit, what is the reason for this status message?

- A. The remote cluster does not have its cluster license applied properly.
- B. The local cluster is unable to authenticate successfully to the remote cluster.
- C. Some nodes in the local cluster are not able to contact some or all nodes in the remote cluster.
- D. The Intercluster LIFs on the local cluster are unavailable and not able to communicate to the remote cluster.

Answer: C

Explanation:

Some nodes in the local cluster are not able to contact some or all nodes in the remote cluster.

Partial - The peer cluster availability status will be Partial only if some nodes in the local cluster are not able to contact some or all nodes in the peer cluster.

https://docs.netapp.com/ontap-9/topic/com.netapp.doc.cm-cmpr-991/cluster__peer__show.html?cp=5_1_10

NEW QUESTION 8

SnapMirror Business Continuity (SM-BC) relies on a component to trigger an automatic unplanned failover (AUFO). In this scenario, what is this component?

- A. ONTAP Deploy
- B. Tiebreaker software
- C. ONTAP Mediator
- D. Cloud Manager

Answer: C

NEW QUESTION 9

You are the administrator of an ONTAP 9.8 cluster. You have configured an hourly snapshot schedule for all NAS volumes. One of your users accidentally deleted an Important spreadsheet file on an SMB share. The file needs to be restored as quickly as possible by the Windows user. Which statement is correct in this scenario?

- A. On the cluster CLI, execute the volume clone create command with the -parent-snapshot option set to the latest Snapshot copy and share the cloned volume as an SMB share, then copy the file back.
- B. On the cluster CLI, execute the volume snapshot restore-file command with the options to select the Snapshot, path, and restore-path
- C. In ONTAP System Manager, navigate to the volume where the share resides, click on snapshot copies and restore the latest Snapshot copy.
- D. In Windows Explorer, right-click on the SMB share where the file was deleted, go to previous versions select the file and copy it to the original location.

Answer: D

NEW QUESTION 10

Windows 2019 reports 500 GB of free space on a disk; however, on the storage side, the LUN has 0 bytes free. When the host deletes files on the disk, auto reclaim on the thin-provisioned LUN does not occur. In this scenario, which action should you take to enable space reclamation?

- A. Set the space allocation option to disable.
- B. Set the space allocation option to enable.
- C. Enable space guarantees on the volume.
- D. Enable space guarantees on the LUN.

Answer: B

NEW QUESTION 10

Exhibit.

```
cluster::> network interface show -vserver SVM_A -fields data-protocol
vserver      lif          data-protocol address
-----
SVM_A        lif-SVM-A    nfs,cifs     10.0.1.250

cluster::> volume show -fields vsERVER,volume,aggregate,policy,junction-path -vserver SVM_A
vserver volume      aggregate policy      junction-path
-----
SVM_A  SVM_A_root aggr1    policy-vol_a /
SVM_A  VOL_A      aggr2    policy-vol_a -
2 entries were displayed.

cluster::> export-policy rule show -vserver SVM_A -policyname policy-vol_a
Vserver      Policy      Rule      Access      Client      RO
-----
Vserver      Name        Index     Protocol    Match
-----
SVM_A        policy-vol_a 1         any         10.0.1.0/24 any
```

A Linux host with the 10.0.1.24 IP address is unable to mount the VOL_A volume using NFSv3. Referring to the exhibit, what is the problem?

- A. The host IP address does not match the export policy rule.
- B. The volume is in read-only.
- C. The volume is not mounted in the namespace.
- D. The logical Interface does not allow the NFSv3 protocol.

Answer: C

Explanation:

The volume is not mounted in the namespace.
<https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.cdote-famg-nfs%2FGUID-8E400D78-B40>
 Even if the volume was read only it could be mounted - also the client IP is in the desired range and LIF is configured for NFS.

NEW QUESTION 14

Exhibit

```
cluster::> volume show -vserver SVM_A
Vserver      Volume      Aggregate      State      Type      Size      Available Used%
-----
SVM_A        SVM_A_root  aggr1         online     RW        1GB       970.7MB   0%
SVM_A        VOL_A       aggr1         online     RW        100GB     95.00GB   0%
2 entries were displayed.

cluster::> qos adaptive-policy-group show -policy-group apg-VOL-A
Name: apg-VOL-A
Vserver: SVM_A
Uuid: 402a3ae5-6ba3-11eb-ba3a-00a0988887c0
ID: 13773
Expected IOPS: 1000IOPS/TB
Peak IOPS: 2000IOPS/TB
Absolute Minimum IOPS: 500IOPS
Expected IOPS Allocation: allocated-space
Peak IOPS Allocation: used-space
Block Size: ANY
Number of Workloads: 1
```

Referring to the exhibit, what is the maximum possible IOPS for the VOL_A volume?

- A. 1000 IOPS
- B. 500 IOPS
- C. 2000 IOPS
- D. 100 IOPS

Answer: C

NEW QUESTION 16

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 20

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 24

You want to enable the Internal ONTAP engine that quickly identifies the file and directory differences between two Snapshot copies. In this scenario, which feature would accomplish this task?

- A. SnapVault
- B. SnapCenter
- C. SnapDiff
- D. SnapLock

Answer: C

NEW QUESTION 25

Your company requires WORM archiving of data on their ONTAP cluster. The data must not be able to be deleted even by an administrator. Which ONTAP feature fulfills this requirement?

- A. SnapLock Compliance
- B. SnapMirror software
- C. SnapLock Enterprise
- D. SnapVault software

Answer: A

NEW QUESTION 29

A customer wants to migrate a series of LUNs from a third-party array to a FAS. In this scenario, which two tools would the customer use? (Choose two.)

- A. ADP
- B. XCP
- C. FLI
- D. NKS

Answer: BC

Explanation:

Migrate a series of LUNs from a third-party array to a FAS.

NEW QUESTION 31

A customer has a 2-node AFF A220 cluster and needs to enable the FC protocol. The onboard UTA2 ports are configured for 10Gbps Ethernet. In this scenario, what are two different methods to use FCP over the UTA2 ports? (Choose two.)

- A. Swap the Ethernet transceivers in the UTA2 ports for 1Gbps transceivers, and configure the ports as target ports.
- B. Connect onboard UTA2 ports to a Nexus switch and enable FCP.
- C. Swap the Ethernet transceivers in the UTA2 ports for FC transceivers, and configure the ports as targetports.
- D. Change the existing UTA2 ports from 10 Gbps speed to 8 Gb speed.

Answer: BC

NEW QUESTION 36

You have commissioned a new AFF A250 MetroCluster over IP configuration. Your company requires an automatic switchover to the surviving site in case of a site disaster.

What do you need to configure to fulfill this requirement?

- A. cluster failover
- B. ONTAP Mediator service
- C. storage failover
- D. automated unplanned switchover

Answer: B

NEW QUESTION 37

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 38

You have created a new FlexCache cache volume and want to warm the cache before clients access the cache volume for the first time. In this scenario, how would you accomplish this task?

- A. Prepopulate the cache volume with data from the origin volume using the flexcache prepopulate start command.
- B. Enable block-level Invalidation using the volume flexcache origin config modify command.
- C. Copy the data from the origin volume to the cache volume with the NetApp XCP Migration Tool.
- D. Synchronize the origin and cache first with the volume flexcache sync-properties command.

Answer: A

Explanation:

<https://docs.netapp.com/ontap-9/index.jsp?topic=%2Fcom.netapp.doc.pow-fc-mgmt%2FGUID-E878AB6F-2A6>

NEW QUESTION 39

Exhibit

```
::> volume autosize -vserver SVM1 -volume vol1 -shrink-threshold-percent 60 -mode grow_shrink  
  
vol autosize: Flexible volume "SVM1:vol1" autosize settings UPDATED.  
Volume modify successful on volume: vol1
```

Referring to the exhibit, when will NAS vol1 shrink in size?

- A. when the aggregate containing vol1 is 60% full
- B. when the volume is 60% full
- C. when the volume is 40% full
- D. when the aggregate containing vol1 is 40% full

Answer: A

NEW QUESTION 41

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 45

Exhibit.

```
cluster1::> volume show -vserver svm2_cluster1 -volume data -fields space-guarantee,fractional-reserve,autosize-mode,space-slo
vserver      volume autosize-mode space-slo space-guarantee fractional-reserve
-----
svm2_cluster1 data  grow          none      none          0%
```

```
cluster1::> lun show -vserver svm2_cluster1 -volume data -fields space-reserve,space-allocation
vserver      path          space-reserve space-allocation
-----
svm2_cluster1 /vol/data/lun disabled      disabled
```

You have a 2-node NetApp FAS2750 ONTAP cluster. You create a new 20-GB LUN in a new 100-GB volume and write 10 GB of data to the LUN. No storage efficiencies are enabled for the volume or aggregate.

Referring to the exhibit, which two statements are true? (Choose two.)

- A. ONTAP reports that the volume is using 10 GB of its containing aggregate.
- B. ONTAP reports the volume as 20% full.
- C. ONTAP reports that the volume is using 100 GB of its containing aggregate.
- D. ONTAP reports the volume as 10% full.

Answer: AD

NEW QUESTION 50

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 55

You have an ESXi cluster with VMware VMFS LUNs on an AFF A400 system. After troubleshooting performance issues, you determine that timeout best practices are not set on the hosts.

In this scenario, which NetApp tool would apply the best practice settings?

- A. SnapCenter Plug-in for VMware vSphere
- B. SAN Host Utilities
- C. Virtual Storage Console (VSC)
- D. SnapManager

Answer: C

NEW QUESTION 56

Which two types of capacity tiers are supported with FabricPool aggregates in ONTAP 9.8? (Choose two.)

- A. SWIFT Object Store
- B. NFS Export
- C. StorageGRID Object Storage
- D. S3 Object Store

Answer: CD

NEW QUESTION 60

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 62

Exhibit

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

na01::> lun mapping show -vserver dsml-san01 -volume sql01_sysdb -fields reporting-nodes
vserver      path          igroup          reporting-nodes
-----
dsml-san01  /vol/sql01_sysdb/lun fcp_infraex 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 64

You are the administrator of an ONTAP 9.8 cluster. Your company wants to know how many files are in the NAS volumes of the cluster and how old these files are.

Which two tools fulfill this requirement? (Choose two.)

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

Answer: CD

NEW QUESTION 66

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