

Vendor: Network Appliance

Exam Code: NS0-155

Exam Name: NetApp Certified 7-Mode Data Administrator

Version: Demo

QUESTION 1

How can you “throttle” SnapVault updates and baseline transfers so that the primary or secondary is not transmitting data as it can?

- A. Use the -k option in the snapvault start or snapshot modify commands.
- B. SnapVault does not support throttling of network throughout.
- C. Use the snapvault throttle command.
- D. Use the -k option in the snapvault initialize command.

Correct Answer: D

QUESTION 2

Node 1 in a clustered pair detects that it has lost connectivity to one of its disk shelves. Node 1 is still up, but it cannot see one of its disk shelves. However, the partner node, Node 2, can see all of the Node 1’s disk shelves. Which feature will cause Node 2 to monitor this error condition for a period of three minutes by default, and then forcibly take over Node 1 if the error condition persists?

- A. Auto enable of giveback
- B. Negotiated Fail Over
- C. Takeover on panic
- D. Cf.quickloop.enable

Correct Answer: B

QUESTION 3

In Data ONTAP, the root user is exempt from those two quotas: _____. (Choose two)

- A. User quotas
- B. Tree quotas
- C. Root quotas
- D. Group quotas
- E. File quotas

Correct Answer: AD

QUESTION 4

Which two Volume SnapMirror (VSM) relationship are supported? (Choose two)

- A. Data ONTAP 8.0.2 64-bit -->Data ONTAP 8.1 64-bit
- B. Data ONTAP 8.0.2 32-bit --> Data ONTAP 8.0.2 64-bit

- C. Data ONTAP 7.3.2 32-bit --> Data ONTAP 8.1 64-bit
- D. Data ONTAP 7.3.2 32-bit --> Data ONTAP 8.0.2 64-bit

Correct Answer: AC

QUESTION 5

An aggregate is composed of twelve 36-Gigabyte disks. A drive fails and only 72-Gigabyte spare disks are available. Data ONTAP will then perform what action.

- A. Chooses a 72-Gigabyte disk and use it as is.
- B. Chooses a 72-Gigabyte disk and right-size it.
- C. Halts after 24 hour of running in degraded mode.
- D. Alerts you that there are no 36-Gigabyte disks and wait for one to be inserted.

Correct Answer: B

QUESTION 6

Which statement is true about expanding an aggregate from 32-bit to 64-bit in place?

- A. All aggregates are automatically converted from 32-bit to 64-bit with the Data ONTAP 8.1 upgrade.
- B. The expansion is triggered by an aggr convert command.
- C. The expansion is triggered by adding disks to exceed 16 TB.
- D. The 32-bit aggregates are degraded and must be Volume SnapMirrored to a new 64-bit aggregates with Data ONTAP 8.1 upgrade.

Correct Answer: C

QUESTION 7

What utility on the storage system will allow you to capture network packet information?

- A. Snoop
- B. Netstats
- C. Pktt
- D. Traceroute

Correct Answer: C

QUESTION 8

The root admin on the UNIX box receives an "Access Denied" message when he attempts to

access a newly mounted qtree. What's the most likely cause of this error?

- A. The qtree is missing from the /etc/hosts file.
- B. NFS is turned off on the storage system.
- C. The qtree is set to ntfs security style.
- D. The qtree has not been exported.

Correct Answer: C

QUESTION 9

Which two modes support using SnapMirror over multiple paths?

- A. Standalone
- B. Partner
- C. Multi
- D. Failover
- E. Give back

Correct Answer: CD

QUESTION 10

Identify the two commands that could be entered on the SnapMirror destination storage system. (Choose two)

- A. Options snapmirror.access on
- B. Options snapmirror.resync on
- C. Snapmirror initialize
- D. Snap mirror resync

Correct Answer: CD

QUESTION 11

Which two operations can be performed with the SnapDrive for windows graphical user interface?

- A. Create volume
- B. Create Snapshot copies
- C. Create File
- D. Create Disk

Correct Answer: BD

QUESTION 12

Which storage system command would display the WWPNs of hosts that have logged into storage system using a Fibre Channel connection?

- A. fcp config
- B. fcp initiator show
- C. fcp show -i
- D. fcp show initiator

Correct Answer: D

QUESTION 13

In a Fiber Channel configuration, the host's HBA is referred to as the _____, and the storage system's HBA to as the _____.

- A. Target, initiator
- B. Primary, secondary
- C. Initiator, target
- D. Secondary, primary

Correct Answer: C

QUESTION 14

Which action will cause a currently in-sync SnapMirror relationship to fail out of sync?

- A. Running snapmirroe update on the source storage system.
- B. Running snapmirror release on the source storage system.
- C. Modifying the /etc/snapmirror.conf file for the relationship on the source storage system
- D. Modifying the /etc/snapmirror.conf file for the relationship on the destination storage system.

Correct Answer: D

QUESTION 15

You are trying to do a single file SnapRestore for a file, but you are receiving an error message that the directory structure no longer exists. Which is the most likely explanation?

- A. Once the directory structure has been deleted, you cannot restore the file using single file SnapRestore. You must now SnapRestore the volume.
- B. Snapshot copies have been created since the original directory structure was deleted.
- C. You must recreate the directory structure before trying to restore the file.
- D. You cannot restore a file to an alternate location.

Correct Answer: C

QUESTION 16

Which mechanism allows you to make LUNs available to some initiators and unavailable to others?

- A. LUN masking
- B. LUN grouping
- C. LUN cloning
- D. LUN hiding

Correct Answer: A

QUESTION 17

An iSCSI _____ is established when the host initiator logs into the iSCSI target. Within a _____ you can have one or more _____.

- A. session, session, connections
- B. connection, session, connections
- C. connection, connection, sessions
- D. session, connection, sessions

Correct Answer: A

QUESTION 18

Which NetApp Virtual Storage Tier component works at the host level?

- A. Flash Pool
- B. Flash Disk
- C. Flash Accel
- D. Flash Cache
- E. Flash IO

Correct Answer: C

QUESTION 19

When using a Protection Manager policy to manage Open systems SnapVault backups on a UNIX server, which three valid objects to include in the data set? (Choose three)

- A. The entire client
- B. A directory
- C. A file
- D. A qtree

Correct Answer: ABC

QUESTION 20

What does it signify if the disks are "not owned" in a FAS2020 system?

- A. The disks are mailbox disks.
- B. The disks are spare disks.
- C. The disks are data disks.
- D. The disks are not used.

Correct Answer: D

QUESTION 21

For each Open Systems platform directory to be backed up to the SnapVault secondary storage system you must execute _____.

- A. An initial baseline copy
- B. A temporary copy
- C. An incremental copy
- D. A scheduled update copy

Correct Answer: A

QUESTION 22

What is the maximum distance between a standard clustered pair at 2Bbps?

- A. 100 meters
- B. 10 meters
- C. 50 meters

D. 500 meters

Correct Answer: D

QUESTION 23

Which exportfs command will temporarily export the resource while ignoring the options specified in the /etc/exports file?

- A. exportfs -v <path>
- B. exportfs -u <path>
- C. exportfs -a <path>
- D. exportfs -i <path>

Correct Answer: D

QUESTION 24

Is NetApp storage Encryption supported in Data ONTAP 8.1.1 Cluster-Mode?

- A. No, but you can file a PVR to request support.
- B. No, it is targeted for a future release of Data ONATP.
- C. Yes, only with a special license installed.
- D. Yes, it has been supported since 8.0.1.

Correct Answer: D

QUESTION 25

Which two cp types would indicate a busy storage system? (Choose two).

- A. cp_from_log_full
- B. cp_from_busy
- C. cp_from_cp
- D. cp_from_timer

Correct Answer: AC

QUESTION 26

There are three phases of Non-Disruptive Volume Movement (NDVM). What is the correct sequence of these phases?

- A. Setup Phase, Mirror Phase, Cutover Phase
- B. Initialization phase, Copy Phase, Migrate Phase
- C. Begin Phase, Move Phase, Complete Phase

D. Setup Phase, Data Copy Phase, Cutover Phase

Correct Answer: D

QUESTION 27

Which statement describes the results of the SnapMirror resync command?

- A. Resynchronization finds the newest common snapshot shared by the two volumes or qtree, and removes all newer information on the storage system on which the command is run.
- B. Resynchronization will cause the loss of all data written to the destination after the original basesnapshot was made.
- C. Resynchronization will update the snapshot on the destination filer.
- D. Resynchronization will update the snapshot on the source filer.

Correct Answer: A

QUESTION 28

If you were troubleshooting and wanted to look at SnapMirror log files, what is the path to these files?

- A. /vol/vol0/etc/log/snaplog/
- B. /vol/vol0/etc/snapmirror/
- C. /vol/vol0/etc/snaplog/
- D. /vol/vol0/etc/log/

Correct Answer: D

QUESTION 29

Host multi-pathing describes a _____ solution that has at least two distinct _____ paths to a LUN.

- A. Token ring, physical
- B. FC SAN, virtual
- C. FC or IP SAN, virtual
- D. FC or IP SAN, Physical

Correct Answer: D

QUESTION 30

Which two will allow you to read and analyze a packet trace file generated by the storage system?

(Choose two)

- A. WireShark
- B. Pktt
- C. Netmon
- D. Eternal View

Correct Answer: AC

QUESTION 31

How does the NetApp Remote Agent (RSA) connect to NetApp Support?

- A. NetApp Support initiates a non-secure connection to the RSA.
- B. NetApp Support initiates a secure connection to the RSA.
- C. The RSA initiates a secure connection to NetApp Support.
- D. The RSA initiates a non-secure connection to NetApp support.

Correct Answer: C

QUESTION 32

Which two commands can be used to enable LUN reservations? (Choose two)

- A. lun set reservation
- B. lun reservation set
- C. lun map
- D. lun create

Correct Answer: AD

QUESTION 33

Which Data ONTAP option sets system-wide for all transfers?

- A. Options transfers.wide.enable
- B. Options transfer.throttle.enable.
- C. Option replication.wide.enable
- D. Options replication.throttle.enable

Correct Answer: D

QUESTION 34

What is the correct format for the scheduling component of a SnapVault schedule?

- A. cnt[@day_list][@hour_list]
- B. YYYY-MM-DD
- C. Crontable format
- D. List of dates in ISO Date format

Correct Answer: A

QUESTION 35

When will a Volume SnapMirror (VSM) from a 64-bit source to a 32-bit destination volume fail?

- A. When the 64-bit volumes has Volume Guarantee disabled
- B. When the 64-bit volume has compression enabled
- C. When the 64-bit volume has FlexShare enabled
- D. When the 64-bit volume has ASIS enabled

Correct Answer: B

QUESTION 36

UNIX allows file access based on _____.

- A. NT ACLs and UNIX permissions.
- B. NT ACLs and SID.
- C. GID or UID and UNIX permissions.
- D. GID or UID and ACLs.

Correct Answer: C

QUESTION 37

Which NetApp Storage Tier component works controller-wide on a FAS controller?

- A. Flash Pool
- B. Flash Disk
- C. Flash Accel
- D. Flash Cache
- E. Flash IO

Correct Answer: D

QUESTION 38

Which NetApp Storage Tier component works aggregate-wide on a FAS controller?

- A. Flash Pool
- B. Flash Disk
- C. Flash Cache
- D. Flash Accel
- E. Flash IO

Correct Answer: A

QUESTION 39

What are two methods of protecting LUN overwrites using Snapshot copies on a volume with fractional reserve set to 0%? (Choose two)

- A. Snap Autodelete
- B. iGroup throttle
- C. LUN reset
- D. Volume AutoSize

Correct Answer: AD

QUESTION 40

Which set of protocols provide block-level access to NetApp storage?

- A. SNA and RPC
- B. iSCSI and FCP
- C. HTTP and FTP
- D. CIFS and NFS

Correct Answer: B

QUESTION 41

An iSCSI or FC SAN implementation provides _____ access to LUNs.

- A. VLD
- B. VIIP
- C. File
- D. Block

Correct Answer: D

QUESTION 42

Which command on the storage system allows you to display statistics on the performance of system resource such as CPU, NVRAM, network interfaces, and disks?

- A. netstat
- B. netdiag
- C. pktt
- D. sysstat

Correct Answer: D

QUESTION 43

Which three protocols can coexist on a NetApp storage system? (Choose three)

- A. DAFS
- B. CIFS
- C. DFS
- D. FCP
- E. NFS

Correct Answer: BDE

QUESTION 44

Which three tools present statistics from the Data ONTAP counter manager? (Choose three)

- A. Operations manager
- B. Window perfmon
- C. Sysstat
- D. Stats

Correct Answer: ABD

QUESTION 45

What security mechanism can an administrator use on an OSSV client to use permissions allowing backup to a SnapVault secondary system?

- A. MD5 authentication between SnapVault primary and secondary, with changeable password
- B. Contents inside file called access and located in OSSV /snapvault/etc

- C. QSM access list modifiable via svconfigurator
- D. Via /etc/hosts.equiv file

Correct Answer: C

QUESTION 46

Which command disables client access to Snapshot copies on a volume called flexvoll?

- A. cifs shares -change flxvoll -nosnap
- B. snap access flexvoll off
- C. vol options flexvoll nonsnapdir on
- D. vol options flexvoll snapdir off
- E. vol options flexvoll snapdir on

Correct Answer: C

QUESTION 47

When using MetroCluster in a forced takeover mode, identify two methods for restricting access to the disaster site node. (Choose two)

- A. Use manual fencing
- B. Use the cf giveback -f command.
- C. Use the cf forcetakeover -d command.
- D. Turn off power to the disaster site node.
- E. Isolate the failed node from the surviving node.

Correct Answer: AD

QUESTION 48

The two copies SyncMirror volume are called _____, which are physical copies of the same file system and consist of one or more RAID groups.

- A. Snapshot copies
- B. Aggregates
- C. Plexes
- D. Volumes

Correct Answer: C

QUESTION 49

You want to create an automated test environment that performs a single file SnapRestore time you run the procedure, however, SnapRestore prompts you to confirm your decision to revert the file. How can you automate this step?

- A. Use the -f option with the snmap restore command.
- B. Enable the options snaprestore_noprimarys enable = on option.
- C. These prompts are for data protection and auditing and cannot be overridden.
- D. Enter the priv set advanced mode on the storage system and prompt will not appear.

Correct Answer: A

QUESTION 50

When viewing the output of the sysstat -f command, which three fields are part of the output?

- A. FCP
- B. FTP
- C. CIFS
- D. NFS
- E. iSCSI

Correct Answer: ACD

QUESTION 51

Five minutes ago, you performed a single file SnapRestore on a large NFS file. 40% of your NFS users are now complaining about getting "stale file handles" for the file. Which is the most likely cause of this problem, and the best procedure to correct it?

- A. This might be due to an NFS storage system and client mismatch. Check to see that these users have the same version of the NFS client that existed at the time the snapshot was taken.
- B. NFS users who try to access a reverted file without first reopening it might get a "stale file handle" error message. Have the users try to reopen the file and see if the problem is resolved.
- C. After a single file SnapRestore, NFS users have to reboot their systems. Have them reboot their systems.
- D. These users are on a different subnet from the others. Start troubleshooting by checking their subnet.

Correct Answer: B

QUESTION 52

Using the output below, a co-worker determined that these are types “Solaris” LUNs. What would your destination be?

```
lun show - m LUN patch mapped to LUN ID -----  
/vol/vol1/lun0 solaris - igroup0 0 /vol/vol1/lun solaris- igroup1  
0 /vol/vol1/qtree1/lun2 solaris - igroup2 0 /vol/vol1/qtree1/lun3 solaris - igroup3 0
```

- A. These are type “Solaris” LUNs.
- B. Not enough information is given here. Run the lun status command to get the information requested.
- C. Not enough information is given here. Run the lun show -v command to get the information requested.
- D. Not enough information is given here. Run the lun map command to get the information requested.

Correct Answer: C

QUESTION 53

Which statement is true about ASIS deduplication license with Data ONTAP 8.1?

- A. The existing 8.0 license key is used.
- B. A new license key is generated.
- C. The license is capacity-based.
- D. The license no longer exists.

Correct Answer: D

QUESTION 54

Which MetroCluster configuration procedure is recommended for re-establishing a mirrored volume that was in a level-0 resynchronization state when it failed?

- A. Determine which volumes are at the remote and disaster sites.
- B. Re-create the synchronous mirror.
- C. Rejoin the two volumes.
- D. Turn on power to the cluster node at the disaster site.

Correct Answer: B

QUESTION 55

When running deduplication on SnapVault destinations, which three statements are true?

- A. The target SnapVault controller deduplicates inline.
- B. The source SnapVault data is deduplicated inline on the target before it is written to disk.
- C. Deduplication internally synchronizes with the SnapVault schedule on the destination.
- D. The source (primary) system sends duplicated data even if the source data is deduplicated.
- E. Deduplication with SnapVault creates a snapshot, deduplicates, then deletes and recreates the snapshot to effectively deduplicate savings.

Correct Answer: CDE

QUESTION 56

If you believe you create FC SAN performance problem, which NatApp utility would gather both your Solaris host and storage system data for analysis?

- A. sio_ntap.exe
- B. prestart
- C. poststat
- D. perfstat

Correct Answer: D

QUESTION 57

Which three /etc/snapmirror.conf entries will support synchronous or semi-synchronous SnapMirror?

- A. FilerA:source_vol FilerB:destination_vol visibility_interval = 1hr, outstanding = 3ms, cksum=crc32 sync
- B. FilerA:source_vol FilerB:destination_vol - 0-55/5 * * *
- C. FilerA:source_vol FilerB:destination_vol - sync
- D. FilerA:source_vol FilerB:destination_vol outstanding=3s sync

Correct Answer: ACD

QUESTION 58

Which three are valid LUN commands? (Choose three)

- A. lun clone
- B. lun copy
- C. lun move
- D. lun rename
- E. lun snap

Correct Answer: ABE

QUESTION 59

Which three attributes would you specify when creating a LUN? (Choose three)

- A. The host operating system of the system attached to LUN.
- B. The version of Data ONTAP.
- C. The size of the LUN.
- D. The path to the LUN.

Correct Answer: ACD

QUESTION 60

Which three items are NFS resources for export? (Choose three.)

- A. aggregate
- B. directory/qtree
- C. file
- D. subnet
- E. volume

Correct Answer: BCE

QUESTION 61

Data ONTAP 8.0 7-Mode supports SMB 2.0 in Windows Vista and Windows Server 2008.

- A. True
- B. False

Correct Answer: B

QUESTION 62

In a tape environment after a SnapRestore reversion of a volume, incremental backup and restore operations on the file or volume cannot rely on the timestamps to determine what data needs to be backed up or restored. Which course of action ensures correct incremental backups?

- A. Perform a base-level backup of the volume after you restore it.
- B. Reboot the storage system to reset timestamps back to their original times before the reversion.

- C. Take a new snapshot of the volume to create new base-level timestamps for the incremental backup.
- D. Take a new snapshot of the volume to create new base-level timestamps for the incremental backup, and then perform a base-level backup of the volume after you restore it.

Correct Answer: A

QUESTION 63

Which changes the NDMP password on the Open System SnapVault agent?

- A. password
- B. password <new_password>
- C. svpasswd <new_password>
- D. svpassword <new_password>

Correct Answer: D

QUESTION 64

Which three licenses are required for fabric-attached MetroCluster? (Choose three.)

- A. Cluster
- B. Cluster_remote
- C. Syncmirror_local
- D. Syncmirror_fabric
- E. Syncmirror_remote

Correct Answer: ABC

QUESTION 65

Which are three characteristics of an iSCSI or FCP SAN implementation? (Choose three.)

- A. A LUN can be converted into a VLD.
- B. LUNs can be accessed using the FCP protocol.
- C. LUNs can be accessed using the iSCSI protocol.
- D. Block services are associated with an iSCSI or FCP SAN environment.

Correct Answer: BCD

QUESTION 66

To determine the version of Data ONTAP in which a bug has been fixed, use the NOW site _____

utility. (Choose two.)

- A. AutoSupport
- B. Bugs Online
- C. NetApp Diagnostics
- D. Release Comparison
- E. System Configuration Guide

Correct Answer: BD

QUESTION 67

Which two commands on the storage system allow you to gather detailed statistics about network interfaces, including basic information about network connections? (Choose two.)

- A. ifstat -a
- B. netdiag -n
- C. netstat -i
- D. systat 1

Correct Answer: AC

QUESTION 68

To configure a storage system as a member of a Windows active directory domain, the time on the storage system must be set to be within plus or minus five minutes of the time on the domain controller.

- A. True
- B. False

Correct Answer: A

QUESTION 69

For automatic user name mapping to occur for a CIFS and UNIX user name that are the same, you must do what?

- A. Enter the CIFS user in the NIS database.
- B. Enter the user names in the /etc/hosts.equiv file.
- C. Use both a NIS server and a Domain Controller in the network.
- D. Nothing: mapping will occur if user name authentication is available.

Correct Answer: D

QUESTION 70

If the security style is set to UNIX, CIFS client file access is determined by _____.

- A. NT ACLs
- B. the last client to set permissions
- C. the mapped UNIX UID/GID of the CIFS client and the UNIX file permissions
- D. This is not allowed: A CIFS client cannot access files in a path set to a security style of UNIX

Correct Answer: C

QUESTION 71

NTFS allows file access based on _____.

- A. NT ACLs and SID.
- B. NT ACLs and UNIX permissions.
- C. SID and password.
- D. UNIX permissions.

Correct Answer: A

QUESTION 72

UNIX allows file access based on _____.

- A. GID or UID and ACLs.
- B. GID or UID and UNIX permissions.
- C. NT ACLs and SID.
- D. NT ACLs and UNIX permissions.

Correct Answer: B

QUESTION 73

Executing this command will have what effect?

```
options wafl.default_security_style ntfs
```

- A. It will set the security style of all files to be ntfs.
- B. It will change the security style of all qtrees to be ntfs.
- C. It will change the security style of all existing volumes to be ntfs.
- D. It will set the security style of all newly created volumes to ntfs.

Correct Answer: D

QUESTION 74

Which two statements apply to an entry in the /etc/exports file regarding exporting directories/qtrees and volumes? (Choose two.)

- A. Each volume must be exported separately.
- B. Exports are accessible only to hosts with names.
- C. User names used in an export must be resolvable.
- D. Exports can access multiple paths on the same volume.

Correct Answer: AD

QUESTION 75

To automatically export volumes and directories on storage system reboot, include them in the /etc/exports file.

- A. True
- B. False

Correct Answer: A

QUESTION 76

Which exportfs command will temporarily export the resource while ignoring the options specified in the /etc/exports file?

- A. exportfs -a
- B. exportfs -i
- C. exportfs -u
- D. exportfs -v

Correct Answer: B

QUESTION 77

Which two are Data ONTAP commands for displaying performance information? (Choose two.)

- A. nfsstat
- B. perfstat
- C. sio_ntap_soll

D. sysstat

Correct Answer: AD

QUESTION 78

Which statement best describes the output of this command?

```
sysstat -s 5
```

- A. Display the default output every five seconds and terminate after five counts.
- B. Display extended output every five seconds and print a summary after five counts.
- C. Display extended output every five seconds and print a summary upon termination.
- D. Display the default output every five seconds and print a summary upon termination.

Correct Answer: D

QUESTION 79

To collect per client NFS statistics on a storage system, the option `nfs.per_client_stats.enable` must be set on.

- A. True
- B. False

Correct Answer: A

QUESTION 80

Which two are Data ONTAP commands for creating LUNs on a storage system? (Choose two.)

- A. lun create
- B. lun config
- C. lun make
- D. lun setup

Correct Answer: AD

QUESTION 81

In a Fibre Channel configuration, the host's HBA is referred to as the _____, and the storage system's HBA is referred to as the _____.

- A. initiator, target.

- B. primary, secondary.
- C. secondary, primary.
- D. target, initiator.

Correct Answer: A

QUESTION 82

Before running lun setup on the storage system, you must first create the igroup to which the initiator will be attached.

- A. True
- B. False

Correct Answer: B

QUESTION 83

These are three methods of creating a LUN:

- lun create
- lun map
- lun setup

- A. True
- B. False

Correct Answer: B

QUESTION 84

Which set of commands should be used for troubleshooting Ethernet connectivity problems from the storage system console?

- A. ifstat, netdiag
- B. perfstat, tracer
- C. sysconfig - cr, sysstat
- D. dish shm_stats, sysstat

Correct Answer: A

QUESTION 85

Which command displays the statistics for Ethernet network interfaces?