Netapp

Exam NS0-157

NetApp Certified Data Administrator, Clustered Data ONTAP

Version: 11.0

[Total Questions: 302]

Topic break down

Topic	No. of Questions
Topic 1: Volume A	100
Topic 2: Volume B	99
Topic 3: Volume C	103

Topic 1, Volume A

Question No : 1 - (Topic 1)

You have an aggregate with 10 TB free. You create a 1 TB volume with space-guarantee set to none. In that volume, you create a 500 GB LUN with space-reserve enabled.

How much space is available in the aggregate before data is written to the LUN?

A. 10 TB
B. 9.5 TB
C. 8.5 TB
D. 9 TB

Answer: B

Question No : 2 - (Topic 1)

Which hidden directory points to a Snapshot copy from a NFS client?

A. %snapshot
B. .snap
C. .snapshot
D. /snapshot

Answer: C

Explanation: This command rename the hidden .snapshot directory in every directory in the current volume.
Reference:https://support.f5.com/kb/en-us/products/arx/manuals/product/arx-cli-maintenance-6-3-0/snapshot.html

Question No : 3 - (Topic 1)

Your company is told that it must follow strict requirements for auditing purposes when creating user accounts for each department.

Which feature in clustered Data ONTAP accomplishes this task?

A. LDAP integration
B. workgroup access
C. role-based access control
D. mixed-mode security

Answer: C

Question No : 4 - (Topic 1)

Which type of upgrade is supported from a single-node FAS2552 to a dual-node cluster with clustered Data ONTAP 8.3 when all 10 GB ports are used for host access?

A. a disruptive upgrade from a single-node cluster to a dual-node HA cluster
B. a non-disruptive upgrade of a single-node cluster into a dual-node HA cluster
C. a single-node cluster upgraded by migration of data to another single-node cluster
D. a disruptive single-node cluster upgraded to a dual-node HA cluster by adding 10 Gb Ethernet cards

Answer: D

Question No : 5 - (Topic 1)

Which statement is true about establishing a SnapMirror relationship in clustered data ONTAP?

A. It sets up the relationship, but does not start the initial transfer
B. It sets up the relationship on the source node only
C. It sets up the relationship and starts the initial data transfer
D. It sets up the relationship and creates the destination volume

Answer: A

Explanation:
3rd bullet
https://library.netapp.com/ecmdocs/ECMP1196874/html/GUID-2B7FC913-4B02-43C9-865AFB7D44ADB40F.html

Question No : 6 - (Topic 1)

How many disks reside in a DS4246 shelf?

A. 46
B. 42
C. 14
D. 24

Answer: D

: http://www.netapp.com/uk/products/storage-systems/disk-shelves-and-storage-media/disk-shelves-tech-specs.aspx(See the Table).

Question No : 7 - (Topic 1)

The cluster ha modify –configured true command will trigger which two actions? (Choose two.)

A. The ability for the nodes in an HA pair to execute an auto-giveback.
B. The ability for the hosts connected to a node to failover to another HA pair.
C. The storage can failover from one node to the other.
D. SVM failover from any node in the cluster to any other node.

Answer: B,C

Question No : 8 - (Topic 1)

A customer cannot enable storage failover. You have verified that the cabling is correct, the HA partners can communicate with each other, and cluster HA is configured.

What must you do to resolve the problem?

A. Set the HA state in the maintenance boot menu.
B. Select option 4 in the boot menu.
C. Set switchless cluster in privilege advanced mode.
D. Modify epsilon in privilege advanced mode.

_____

Answer: D

Question No : 9 - (Topic 1)

A customer wants the best performance for their Oracle DB solution. They are willing to configure their high-availability nodes so the load is less than 50% per node, to protect performance during failover. They want to enhance read and write performance.

Which NetApp technology accomplishes this task?

A. deduplication
B. thin provisioning
C. Flash Pool
D. FlashCache

Answer: C

Question No : 10 - (Topic 1)

Which two solutions are valid for clustered Data ONTAP MetroCluster? (Choose two.)

A. FAS3200 series controllers
B. FAS2500 series controller
C. four nodes at each site
D. two nodes at each site

Answer: A,D

Question No : 11 - (Topic 1)

When you use the volume snapshot autodelete command, what are three values for the commitment parameter? (Choose three.)

A. disrupt
B. volume
C. snap-reserve
D. try

E. destroy

Answer: A,D,E

Explanation:

https://library.netapp.com/ecmdocs/ECMP12452955/html/volume/snapshot/autodelete/modify.html

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Question No : 12 - (Topic 1)

What are the two valid settings for fractional reserve? (Choose two.)

A. 100%
B. 20%
C. 0%
D. 50%

Answer: A,C

Explanation: The fractional reserve setting is expressed as a percentage; the only valid values are 0 and 100 percent. You use the vol options command to set fractional reserve. Reference: https://library.netapp.com/ecmdocs/ECMP1368845/html/GUID-596042AF-8E9C-4187-969C-633DFDD5A936.html

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Question No : 13 - (Topic 1)

You acquired a new company that has the same private IP address range.

What must be set up on the NetApp cluster to support the duplicate networks?

A. VLANs
B. failover groups
C. IPspaces
D. DNS zone

Answer: C

Question No : 14 - (Topic 1)

AutoSupport recently stopped working. No changes were made on the cluster itself.

Which three factors outside of the cluster would cause the failure? (Choose three.)

A. changes to DNS
B. changes to the firewall
C. changes to the Active Directory service account
D. changes to your NetApp support user ID
E. changes to the proxy server

Answer: A,B,E

Question No : 15 - (Topic 1)

You create a 150 GB thick-provisioned volume. In that volume, you create a 50 GB LUN with space-reserve enabled. You create another 50 GB LUN with space-reserve disabled.

Before any data is written to either LUN or a Snapshot is taken, how much space will be available in the volume for additional LUNs?

A. 150 GB
B. 100 GB
C. 75 GB
D. 50 GB

Answer: B

Question No : 16 - (Topic 1)

You change the volume junction-path of vol1 from /vol/vol1 to /vol1. NFS clients are unable to connect to the new path/vol1.

Which mirrors need to be updated to solve this problem?

A. TDP mirrors of the SVM root volume.

B. XDP mirrors of the SVM root volume

C. DP mirrors of the SVM root volume

D. LS mirrors of the SVM root volume

Answer: D

Question No : 17 - (Topic 1)

A customer wants to retire a broadcast domain called bcast1 from the cluster. All network ports and data LIFs previously using bcast1 have been moved to another broadcast domain. When the administrator attempts to delete the broadcast domain, the deletion fails.

What is causing the problem?

A. TheIPspace, that the broadcast domain uses, still exists.

B. The cluster ports are using the bcast1 broadcast domain.

C. There are still subnets associated with the broadcast domain.

D. The SVM has not been deleted.

Answer: A

Question No : 18 - (Topic 1)

What is the maximum size of a compression group?

A. 8 KB

B. 4 KB

C. 32 KB

D. 64 KB

Answer: C

Question No : 19 - (Topic 1)

Which port is used for untagged VLAN traffic?

A. a0a-0

B. a0a

C. e0a-999

D. 0a

Answer: B

Explanation:

• The second character is a numeral 0-999 identifying the slot in which the port adapter is located.

https://library.netapp.com/ecm/ecm_download_file/ECMP1636021

Question No : 20 - (Topic 1)

What communication link is necessary in order to establish an inter-cluster relationship?

A. The cluster interface on each node must be able to communicate with the intercluster interface on each node in the both the source and destination clusters

B. The cluster interface on the source cluster must be able to communicate with the cluster interface on the destination cluster

C. The intercluster interface on the source cluster must be able to communicate with the intercluster interface on the destination cluster

D. The intercluster interface on the source cluster must be able to communicate with the cluster interface on the destination cluster

Answer: C

Explanation:

https://library.netapp.com/ecm/ecm_download_file/ECMP1197114

Question No : 21 - (Topic 1)

A user is reporting trouble using a SVM management LIF. You have verified host configuration, network connectivity, and that the LIF responds to pings.

What should you do to continue troubleshooting this problem?

A. Ensure the SVM management LIF's failover policy is correct.

B. Ensure the SVM management LIF's administrative status is up.

C. Ensure the SVM management LIF is on its home port.