

NS0-157 - NetApp Certified Data Administrator, Clustered

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1. Clustered Data ONTAP supports which three versions of NFS? (Choose three.)

- A. NFSv4.1
- B. NFSv4
- C. NFSv3
- D. NFSv2
- E. NFSv1

Answer: B,C,D

Explanation: <https://library.netapp.com/ecmdocs/ECMP1196993/html/GUID-CC5F1AA4-1708-4E4F-86AE-E6EFB9612174.html> <https://library.netapp.com/ecmdocs/ECMP1196993/html/GUID-FAB742F2-0F26-493F-A315-5DD1FBB692F4.html>

2. You create an SVM named svm7. Its DNS name is ntap7. In svm7, you create a volume named vol1 with a junction path of /users.

An NFS client would mount the root of vol1 using which path?

- A. svm7:/users
- B. ntap7:/users
- C. ntap7:/vol1
- D. svm7:/vol1

Answer: B

3. 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.
- D. Ensure the SVM management LIF's firewall policy is set to management.

Answer: A

Explanation: Explanation: You must have prepared the SVM networking for a major upgrade by creating the necessary SVM management LIFs, failover groups, and routes. Reference: <https://library.netapp.com/ecmdoc>

s/ECMP1636041/html/GUID-5B0E96CF-78F8-40B9-A62D-C5A6E62A53D7.html

4. What is the maximum number of nodes allowed in an FAS8000 series with a SAN configuration?

- A. 24
- B. 8
- C. 4
- D. 2

Answer: B

Explanation: SAN: Up to 8 cluster nodes Reference: <http://cloudcarib.com/pdf/NetApp-8000.pdf>

5. 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

6. While reviewing a controller, you find that an aggregate aggr1 made of 6 TB hard-disk drives has two RAID groups, one with 14 disks and the other with eight disks.

Which action caused the RAID groups to be different?

- A. The aggregate was created with the RAID group option set to 2.
- B. The aggregate was created with advanced drive partitioning.
- C. The aggregate was moved from one controller to its partner.
- D. The aggregate was created from the command line using the default configuration.

Answer: D

7. Which NetApp management tool configures AutoSupport for nodes in a cluster?

- A. OnCommand System Manager
- B. ConfigAdvisor
- C. OnCommand Performance Manager
- D. OnCommand Insight

Answer: A

8. A customer has lost access to shares being used by an application.

What are three troubleshooting steps the administrator should take? (Choose three.)

- A. Verify that the admin SVM is running on the node being accessed by the customer.
- B. Verify that the LIF resides on its home port.
- C. Verify that the LIFs in the SVM are all up and active.
- D. Verify that the SVM has CIFS running, that the share exists, and is online.
- E. Verify that there is network connectivity between the SMB client and the SVM.

Answer: C,D,E

9. When assigning shelf IDs to SAS-connected shelves, which statement is true?

- A. They only need to be unique within an HA pair.
- B. They only need to be unique within a stack.
- C. They only need to be unique within a node.
- D. They need to be unique within a cluster.

Answer: A

Explanation: IDs must be unique within an HA pair. Reference: <https://library.netapp.com/ecmdocs/ECMP1256807/html/GUID-FF56A1A7-F2ED-4F3D-BC2A-366609422B4D.html>

10. 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

11. An administrator creates an account for a new user, and wants this user to have limited capabilities accessing SSH. The administrator defined the account, but the user still has full control.

Which two settings would the administrator use to correct this problem? (Choose two.)

- A. the user account settings in OnCommand system Manager
- B. the user account settings of the admin account
- C. the user account settings in Windows Active Directory Users and Computers
- D. the user account settings in the clustershell

Answer: A,D

12. 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

13. Which two backup engines are supported within clustered Data ONTAP? (Choose two.)

- A. SMT ape
- B. dump
- C. tape
- D. xcopy

Answer: A,B

Reference: https://library.netapp.com/ecm/ecm_download_file/ECMP1196874

14. A customer's Linux Oracle database requires a SAN solution with multiple FC connections for path resiliency and performance. The host has been provisioned with two dual-port FC HBAs, and each HBA is connected to each fabric.

Before configuring the storage, what host information should the storage administrator obtain from the customer? (Choose two.)

- A. if the FC HBAs ports are all configured for an active/passive configuration.
- B. the amount of cache memory installed in the host
- C. if the DM-MP with ALUA support is configured on the host
- D. the WWPNs of all the FC ports in the host

Answer: C,D

15. You just added a vSphere host to your environment that needs access to the existing NFS datastore. The applicable export policy is named VMW, and each host's IP address has been given access.

What should you do to grant the new host access to the NFS datastore?

- A. Create a new volume.
- B. Create a new rule under the VMW export policy.
- C. Create a new SVM.
- D. Create a new export policy for the new host.

Answer: B

Explanation: <https://library.netapp.com/ecmdocs/ECMP1366835/html/GUID-2DC069F8-1560-4805-846F-2C7DF084A9CB.html>

16. A customer has a 1000 GB volume that is at 25% capacity and has no existing Snapshot copies. The customer creates a Snapshot copy of the volume, creates a new 250 GB file, and deletes an existing 100 GB file.

How much space is free in the volume?

- A. 350 GB
- B. 400 GB
- C. 500 GB
- D. 600 GB

Answer: C

17. 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

18. You have a cluster with a node running root data partitioning and need to grow the aggregate for additional data volumes.

What is NetApp's best practice for increasing the aggregate size to optimize performance?

- A. Add 16 disks to the aggregate.
- B. Create a new aggregate and migrate all data with vol move.
- C. Add two disks to an existing RAID group.
- D. Add a complete RAID group at a time.

Answer: D

Explanation: best practices when you add storage to an aggregate optimizes aggregate performance:

Add a complete RAID group at a time.

Reference:<https://library.netapp.com/ecmdocs/ECMP1368859/html/GUID-93C8D102-9666-46AF-8350-03EF-F8A6A68B.html>

19. 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

20. Your network and storage teams have decided to disable flow control on all host, switch, and NetApp interfaces, both 1 Gb and 10 Gb, to increase performance.

Why does this action increase performance?

- A. It lets the NetApp MTU handle congestion control as needed.
- B. It lets the host-side MTU handle congestion control as needed.
- C. It lets the upper layer protocols handle congestion control as needed.
- D. It lets the lower layer protocols handle congestion control as needed.

Answer: C

Explanation: Ports with standard MTU size and jumbo MTU size should never be mixed on the same VLAN. Consider a host and a NetApp FAS device configured on the same VLAN, where the FAS controller is configured for jumbo frames and the host is not. The host will be able to communicate to the FAS device using its standard 1500 byte frames. However, the reply back from the FAS device will be a 9000 byte frame and because the two machines are located on the same VLAN, there is no device fragmenting this frame into the standard 1500 byte size for consumption by the host.

<ftp://ftp.netapp.com/pub/alim/pub/tr-3802.pdf>

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