

Practice Exam Questions



NetApp Certified Data Administrator, ONTAP



EXAMKILLER

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Netapp

Exam NS0-162

NetApp Certified Data Administrator (ONTAP)

Version: 4.1

[Total Questions: 89]

Question No : 1

You have an Internet of Things (IoT) application that will use SMB shares on a remote ONTAP Select Instance. There are no name services and only a local network is available at the remote IoT site.

In this scenario, which two features are supported by ONTAP software for the IoT application? (Choose two.)

- A. Active Directory users
- B. SMB Server in workgroup mode
- C. SMB3 Witness protocol
- D. CIFS local users

Answer: B,D

Explanation:

https://kb.netapp.com/Advice_and_Troubleshooting/Data_Storage_Software/ONTAP_OS/Is_Workgroup_Mode_Supported_for_CIFS_or_SMB_in_ONTAP

Question No : 2

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: B,C

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.

Reference: <https://docs.netapp.com/ontap-9/topic/com.netapp.doc.pow-fg-mgmt/GUID-A4353B0E-C0F7-4C0D-9E72-2989543FEC97.html>

Question No : 3

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: B,C

Explanation:

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

Question No : 4

Exhibit

```
ipp-na01:> net int show -vserver widgt_vml
(network interface show)
Vserver      Logical   Status   Network      Current      Current  Is
Interface    Admin/Oper Address/Mask Node          Port        Home
-----
widgt_vml
  widgt_vml_lif      up/up      192.168.106.11/24 ipp-na01-01  a0a-229  false
  widgt_vml_mgmt     up/up      10.40.105.15/24 ipp-na01-01  a0a-228  true
2 entries were displayed.

ipp-na01:> broadcast-domain show -ports ipp-na01-01:a0a-229
(network port broadcast-domain show)
IPspace Broadcast      Update
Name      Domain Name      MTU  Port List      Status Details
-----
widgt      widgt_192.168.106.0/24
              9000
              ipp-na01-04:a0a-229      complete
              ipp-na01-03:a0a-229      complete
              ipp-na01-01:a0a-229      complete
              ipp-na01-02:a0a-229      complete

ipp-na01:> net route show -vserver widgt_vml
(network route show)
There are no entries matching your query.
```

You need to provision a new NFS datastore for a vSphere cluster. You configure a new SVM and a new volume on your ONTAP cluster. You successfully mount the datastore to your vSphere cluster. You are able to upload and download a test 1 KB file to and from the datastore. You can also successfully ping the NFS LIF (192.168.106.11) from the vSphere

hosts without any packet loss. However, you are unable to upload ISO Images or migrate VMs to the new datastore.

Referring to the exhibit, which action would correct the problem?

- A. Enable jumbo frames on the network switches.
- B. Add a default gateway to the SVM.
- C. Change the MTU of the VM kernel ports on the vSphere hosts to 9,000 bytes.
- D. Migrate the LIF to its home port.

Answer: A

Question No : 5

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.

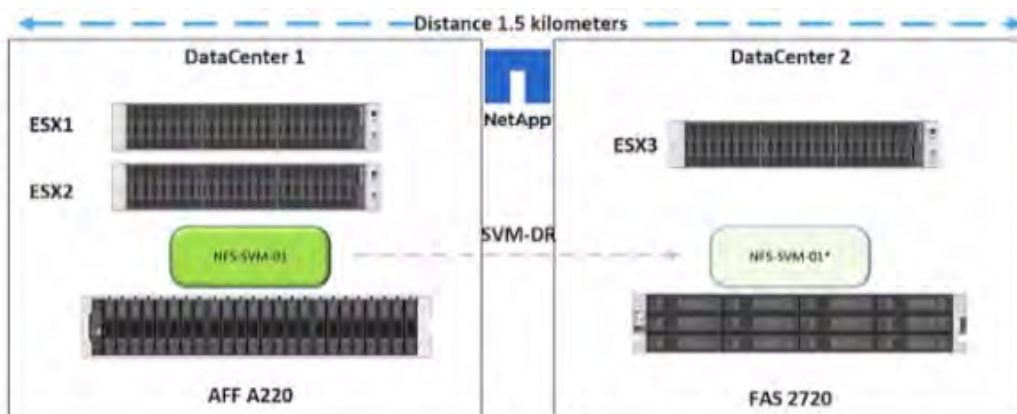
In this scenario, which two steps fulfill this requirement? (Choose two.)

- 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: B,D

Question No : 6

Exhibit.



You have an SVM-DR relationship as shown in the exhibit. You are given a new requirement to use SnapMirror Synchronous (SMS) for the data volumes In NFS-SVM-01.

In this scenario, which solution Is supported to enable SMS in ONTAP 9.8 software?

- A. Set up new SM-S relationships from the AFF A220 to a new destination.
- B. Set up new SM-S relationships from the FAS2720 to a new destination.
- C. Set up NetApp Cloud Sync with a cloud broker in AWS to replicate to a new destination.
- D. Modify the existing SVM-DR policy to use sync mode.

Answer: C

Question No : 7

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 vservers,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
Policy      Rule    Access Client    RO
Vserver    Name    Index  Protocol Match  Rule
-----
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.cdod-famg-nfs%2FGUID-8E400D78-B405-4682-8F33-143783F2D580.html>

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.

Question No : 8

Exhibit

```
cluster1:~> network interface create -vserver vs0 -lif datalif1 -role data -home-node node0 -home-port e0c -address 192.0.2.130 -netmask 255.255.255.0 -failover-policy broadcast-domain-wide -firewall-policy data
cluster1:~> network route show
(network route show)
Server:
-----
node1
node2
vs0
3 entries were displayed.
```

Server	Destination	Gateway	Metric
node1	0.0.0.0/0	10.61.208.1	20
node2	0.0.0.0/0	10.61.208.1	20
vs0	0.0.0.0/0	10.61.208.1	20

After creating a new LIF called datalif1 on SVM vs0, you notice connectivity issues to the newly created LIF, as shown in the exhibit. You have verified that the new LIF is online and the network team is able to see the MAC address on the switches.

Referring to the exhibit, what would cause connectivity issues?

- A. The home port needs to be modified to port e0d.
- B. The route metric needs to be modified to a metric of 30.
- C. The route needs to be modified to reflect the correct gateway.
- D. The netmask needs to be modified to a /16 network.

Answer: C

Question No : 9

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: C,D

Question No : 10

You have a 4-node cluster with a NetApp AFF A400 HA pair and a NetApp FAS8700 HA pair running NetApp ONTAP 9.8 software. You are required to set up 2-factor authentication for the ONTAP CU.

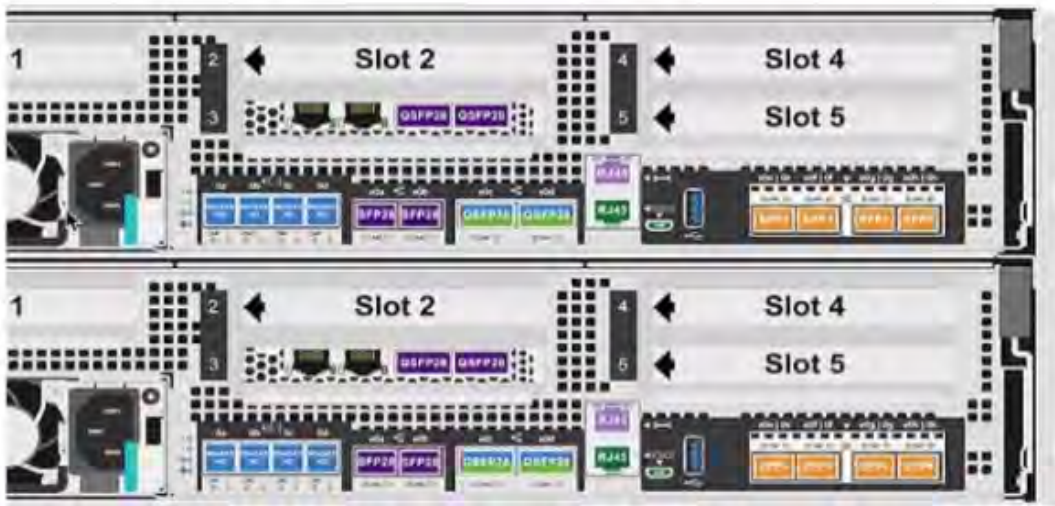
Which two authentication methods are required in this scenario? (Choose two.)

- A. public key
- B. Security Assertion Markup Language (SAML)
- C. IP security (IPsec)
- D. password

Answer: A,D

Question No : 11

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

Question No : 12

Which configuration Is supported using NetApp's All SAN Array (ASA)?

- A. 24-node cluster
- B. single node cluster
- C. 2-node cluster
- D. 12-node cluster

Answer: C

Reference: <https://docs.netapp.com/allsan/index.jsp?topic=%2Fcom.netapp.doc.dot-asa-config%2FGUID-C0C9B6EF-1AA7-429E-BB84-AC5F9E16D088.html>

Question No : 13

Exhibit.

```

CLUSTER-01::> lun show -instance
Vserver Name: svm500
  LUN Path: /vol/LUN0/LUN0
  Volume Name: LUN0
  Qtree Name: ""
  LUN Name: LUN0
  LUN Size: 100GB
  OS Type: vmware
  Space Reservation: enabled
  Serial Number: 800Nc$QfenwV
  Serial Number (Hex): 3830304e63245166656e7756
  Comment: VMware Host
  Space Reservations Honored: true
  Space Allocation: disabled
  State: online
  LUN UUID: daf3b456-cf79-4535-878b-4e43872836cc
  Mapped: mapped
Physical Size of Logical Block: 512B
  Device Legacy ID: -
  Device Binary ID: -
  Device Text ID: -
  Read Only: false
  Fenced Due to Restore: false
  Used Size: 0
  Maximum Resize Size: 1023GB
  Creation Time: 2/9/2021 17:59:56
  Class: regular
  Node Hosting the LUN: CLUSTER-01
  QoS Policy Group: -
  QoS Adaptive Policy Group: -
  Caching Policy Name: -
  Clone: false
  Clone Autodelete Enabled: false
  Inconsistent Import: false
  Application: -
CLUSTER-01::> igroup show
Vserver  Igroup      Protocol OS Type  Initiators
-----
svm500   ESX         iscsi   vmware   -

```

You create a storage virtual machine (SVM) called SVM500 that is provisioned for iSCSI. After creating a LUN in the SVM and mapping it to an igroup, the attached VMware hosts are unable to mount the LUN.

Referring to the exhibit, what is the issue?

- A. The igroup contains the wrong protocol.
- B. The igroup contains multiple Initiators.
- C. The initiator is a member of igroups of different OS types.
- D. The igroup does not contain the appropriate initiators.

Answer: B

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

Reference:

https://kb.netapp.com/Advice_and_Troubleshooting/Data_Storage_Software/ONTAP_OS/Storage_auto-reclamation_does_not_occur

Question No : 15

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

Reference: [https://docs.netapp.com/us-](https://docs.netapp.com/us-en/ontap/smbc/smbc_admin_what_happens_during_an_automatic_unplanned_failover.htm)

[en/ontap/smbc/smbc_admin_what_happens_during_an_automatic_unplanned_failover.htm](https://docs.netapp.com/us-en/ontap/smbc/smbc_admin_what_happens_during_an_automatic_unplanned_failover.htm)
|

Question No : 16

Which command parameter will result in a thin-provisioned LUN?

- A. -space-allocation enabled
- B. -space-reservation disabled

- C. -space-guarantee none
- D. -space-guarantee volume

Answer: C

Question No : 17

Your company has purchased two NetApp AFF A400 HA pairs. During deployment, how many root aggregates are created?

- A. 6
- B. 4
- C. 2
- D. 8

Answer: B

Reference: <https://www.netapp.com/fr/media/13482-tr4375.pdf>

Question No : 18

Exhibit.

```
Cluster1::> network interface show
```

Vserver	Logical Interface	Status Admin/Oper	Network Address/Mask	Current Node	Current Port	Is Home
Cluster	Cluster1_Node1_Clus1	up/up	169.254.170.170/16	Cluster1_Node1_Clus1	e0a	false
	Cluster1_Node1_Clus2	up/up	169.254.69.110/16	Cluster1_Node1_Clus2	e0b	false
	Cluster1_Node2_Clus1	up/up	169.254.64.19/16	Cluster1_Node2_Clus1	e0a	false
	Cluster1_Node2_Clus2	up/up	169.254.238.93/16	Cluster1_Node2_Clus2	e0b	false

After an ONTAP upgrade, you notice that several cluster LIFs are not on their home ports as shown in the exhibit.

Which LIF option would change this outcome?

- A. the subnet-name option
- B. the failover-policy option
- C. the auto-revert option
- D. the data-protocol option

Answer: C

Explanation: https://docs.netapp.com/us-en/ontap/networking/revert_a_lif_to_its_home_port.html

Question No : 19

Click the Exhibit button.

You have an AFF A400 HA pair serving SMB locally and a FAS8300 HA pair serving SMB over FlexCache Both clusters are running ONTAP 9.8 software.

In this scenario, which two protocol features are supported at the remote cache? (Choose two.)

- A. multiprotocol NFSv4.1
- B. file locking
- C. multiprotocol NFSv3
- D. SMB3 continuously available (CA) shares

Answer: A,D

Question No : 20

You are planning an installation of a new stack of shelves to an HA pair and need to locate empty SAS ports...

In this scenario, which tool would you use to accomplish this task remotely?

- A. ONTAP System Manager
- B. Active IQ Web site
- C. Hardware Universe
- D. Interoperability Matrix Tool

Answer: A

Explanation: ONTAP System Manager is a web-based tool that is accessible from any

web browser and can be used to manage and monitor the ONTAP system remotely. It has the ability to discover, inventory, and manage all connected equipment, including empty SAS ports. With the System Manager, you can view the available SAS ports and configure them accordingly.

Question No : 21

Your company requests that the monthly performance data of your ONTAP 9.8 cluster be exported to a CSV file for further processing. In this scenario, which three NetApp products satisfy this requirement? (Choose three.)

- A. Active IQ Unified Manager
- B. Cloud Insights
- C. Active IQ Config Advisor
- D. ONTAP System Manager
- E. Active IQ OneCollect

Answer: A,B,D

Question No : 22

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: C,D

Explanation:

https://kb.netapp.com/Advice_and_Troubleshooting/Data_Storage_Software/ONTAP_OS/What_are_the_flow_control_best_practices_for_Ethernet%3F#Clustered_Data_ONTAP_.2F_ONTAP_9_Flow_control_recommendations:

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.

Question No : 23

After deploying an AFF A400, you want to deploy a storage virtual machine (SVM) to serve SMB data. Which three conditions must exist in this scenario? (Choose three.)

- A. You must have sufficient space for the root volume.
- B. You must have a non-root aggregate in the online state.
- C. You must have encryption enabled on the root volume.
- D. You must synchronize the cluster time.
- E. You must have configured the export policies.

Answer: A,D,E

Question No : 24

Exhibit.

