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NS0-507 54 Q&S NetApp Certified Implementation Engineer-SAN, Clustered Data ONTAP By Kerwin

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Question 1
You want to configure iSCSI on a 4-node cluster that only has NFS configured. You need to guarantee that you have at least two optimized paths per LUN.
In this scenario, what are the minimum number of iSCSI LIF needed?
A. 6
B. 4
C. 8
D. 2
Correct Answer: C

Question 2
When implementing ONTAP SAN for VMware, in which three would VSC help? (Choose three.)
A. When provisioning the lun
B. When updating HBA driver
C. When configuring host best practices
D. When provisioning the datastore
E. When creating FC switch zoning
Correct Answer: ACD

Question 3
What are three considerations when creating a physical reference diagram of an FC SAN? (Choose three.)
A. Hardware is compatible
B. FC SAN zoning is available
C. Power connectivity is available
D. FC port connectivity is available
E. FC switches are available
Correct Answer: BDE

Question 4
You are planning a migration from a 7-mode system running DATA ONTAP 8.0 to a new AFF A700 ONTAP 9.1 system. This 7-mode system provides only iSCSI LUNs for a windows server

2012R2 server farm. There is no FC fabric available for this migration.
In this scenario, what would you use for the migration?
A. Foreign LUN import (FLI)
B. Unified Host Utility Kit
C. 7-mode Transition tool (7MTT)
D. OnCommand System Manager
Correct Answer: C

Question 5

You recently configured your SVM to serve data with the FC protocol by issuing the following commands:
Vserver fcp create -vserver vs1 -status-admin up
Network interface create -vserver vs1 -lif lif1 -role-data -data-protocol fcp home-node node_name -home-port port
However, your LIF still shows an operational status of down. What must you do to change the operational status to up?
A. License and enable the FC service
B. Add the LIF to a group
C. Configure zoning on the switch
D. Create a LIF on the node's HA partner
Correct Answer: C

Question 6

Referring to the exhibit, which zones use only World Wide Port Name Zoning?

```
switch:admin> cfgshow
      Defined configuration: DefZone1

Effective configuration.
No effective configuration: (No Access)
bawn 3,5; 4,8
bond 10:00:05:1e:a9:20:00:01; 3,5
brain 11,4; 22,1; 33,6
jake 4,7; 8,9; 14,11
jeff 20:00:00:05:1e:a1:cd:02; 20:00:00:02:1e:a1:cd:04
jones 7,3; 4,5
zeus 4,7; 6,8;9,2
```

A. Bond
B. Jeff
C. Jake
D. Zeus
Correct Answer: D

Question 7

A customer has four SVMs on a 4-node cluster. Each SVM has two FC LIFs per node, for a total of eight LIFs per node.
According to Netapp Best practices, what is the minimum number of ports required per node for this configuration?
A. 16
B. 4
C. 8
D. 2
Correct Answer: D

Question 8

You have 4-node cluster with a FAS8200 HA pair and AFF A700 HA PAIR. You need to move a LUN from the FAS8200 to the AFF A700 for faster performance.

In this scenario, which sequence of steps, accomplishes task nondisruptively?

A. 1. Remove the FAS8200 HA pair from file reporting-nodes list.

Add the AFF-A700 HA pair to the reporting nodes list.

Run the lun move command.

B. 1. Add the AFF A700 HA pair to the reporting-nodes list.

Run the lun move command.

Remove the FAS8200 HA pair from the reporting-nodes list.

C. 1. Run the lun move command.

Add the AFF A700 H pair to the repotting-nodes list.

Remove the FAS8200 HA pair from the reporting-nodes.

D. 1. Add the AFF A700 HA pair to the reporting-nodes list.

Remove the FAS8200 HA pair from the reporting-nodes list.

Run the lun move command

Correct Answer: B

Question 9

Which two statements regarding data mobility, deduplication and compression are true? (Choose two.)

A. When a LUN is moved, storage efficiency savings are lost

B. When a volume is moved, storage efficiency savings are maintained for deduplication and compression

C. When a volume is moved, storage efficiency savings are maintained for compression but not for deduplication

D. When a LUN is moved, storage efficiency savings are maintained for deduplication and compression

Correct Answer: AB

Question 10

A storage administrator has created LUNs for FC access.

What must each LUN have configured to allow access?

A. LUN OS type set host OS, igroup with WWPNs from host HBAs, LUN mapped to an igroup

B. LUN OS type set host OS, igroup with all IQNs from host HBAs, igroup mapped to each FC port using port sets

C. Igroup with WWPNs from host HBAs, ALUA set on host using host utility kit, LUN OS type set to default values

D. LUN OS type set to default values, ALUA set on host using DSM, igroup with WWPNs from host HBAs

Correct Answer: A

Question 11

You want to create a thick provisioned LUN within a thick-provisioned volume.

Which 2 actions will accomplish this task? (Choose two.)

A. Use the vol create command with a guarantee parameter set to none

B. Use the vol create command with a guarantee parameter set to volume

C. Use the lun create command with the space-reserve parameter set to enabled

D. Use the lun create command with the space-reserve parameter set to disabled

Correct Answer: BC

Question 12

A customer has 1 TB volume with space guarantee set to volume. Two 100 GBs LUNs are created in the volume with LUN reservation enabled and no snapshot copies exist.
In this scenario, how much space will be shown as used in the volume?
A. 0 GB
B. 200 GB
C. 400 GB
D. 100 GB
Correct Answer: B

Question 13
You are asked to configure the Service Processor on a newly installed node, and must verify the following command:
system-service processor network modify–node local–address-family IPv4–enabletrue-ip-address 192.168.123.98–netmask 255.255.255.0
Which statement about this command is true?
A. –nodeshould reference the actual node name.
B. The gateway IP address is missing.
C. The Link Local IP Address is missing.
D. IPv6 is required for the SP.
Correct Answer: AB

Question 14
You are planning to expand an existing SAN only cluster consisting of eight AFF A700 nodes.
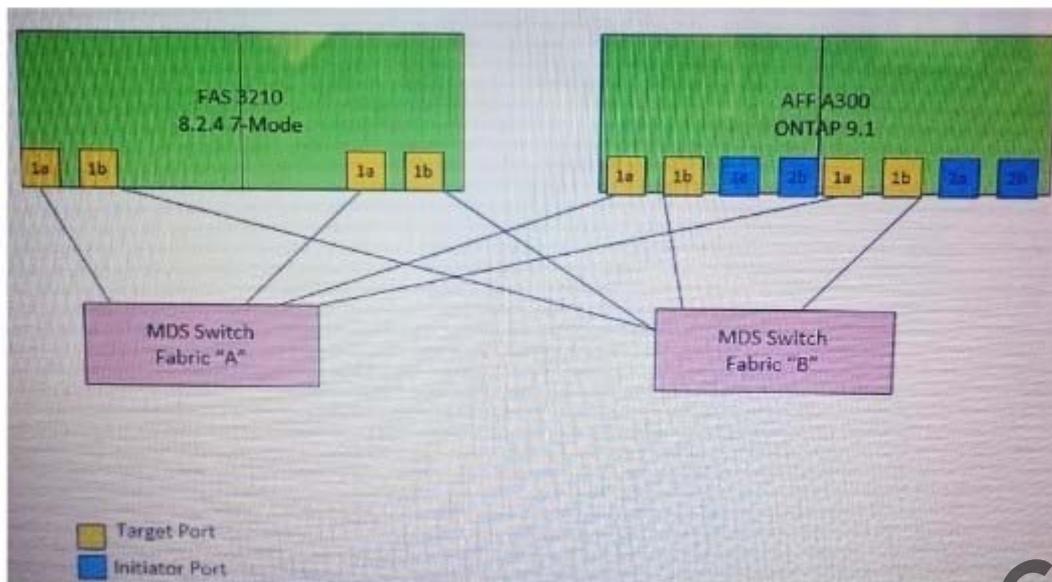In this scenario, that is the maximum number of additional AFF A700 nodes allowed for your cluster?
A. 8
B. 4
C. 12
D. 0
Correct Answer: D

Question 15
An administrator has an existing FAS3210 running DATA ONTAP 8.2.4 7-mode. They have recently purchased and installed a new AFF A300 ONTAP cluster and need to non-disruptively migrate FC LUNs from the 7-mode system to the new cluster. The administrator has cabled the FC interfaces shown in the exhibit.
In this scenario, which additional cabling will be needed on the AFF A300 to support foreign LUN import 7mode?

Target Port
Initiator Port

A. AFF A300 node 1: interface 2a to MDS switch Fabric "A" AFF A300 node 1: interface 2b to MDS switch Fabric "A" AFF A300 node 2:
interface 2a to MDS switch Fabric "B" AFF A300 node 2: interface 2b to MDS switch Fabric "B"
B. AFF A300 node 1: interface 2a to MDS switch Fabric "A" AFF A300 node 1: interface 2b to MDS switch Fabric "A" AFF A300 node 2:
interface 2a to MDS switch Fabric "A" AFF A300 node 2: interface 2b to MDS switch Fabric "A"
C. AFF A300 node 1: interface 2a to MDS switch Fabric "A" AFF A300 node 1: interface 2b to MDS switch Fabric "B" AFF A300 node 2:
interface 2a to MDS switch Fabric "A" AFF A300 node 2: interface 2b to MDS switch Fabric "B"
D. AFF A300 node 1: interface 2a to MDS switch Fabric "B" AFF A300 node 1: interface 2b to MDS switch Fabric "B" AFF A300 node 2:
interface 2a to MDS switch Fabric "B" AFF A300 node 2: interface 2b to MDS switch Fabric "B"
Correct Answer: B

Question 16
Which NetApp resource would you use to validate the maximum number of FC hops that are supported by a switch vendor?
A. Hardware Universe
B. Switch Install Guide
C. Installation and Setup Instructions Poster
D. SAN Configuration Guide
Correct Answer: D

Question 17
You need to determine the maximum LUN size per host operating system.
Which resource has this information?
A. Logical Storage Management Guide
B. SAN administration guide
C. Software Setup guide
D. SAN configuration guide
Correct Answer: D

Question 18
A 4-node cluster is upgraded from clustered Data ONTAP 8.2 to ONTAP 9.1. LUNs that were created after the upgrade are visible only on the target ports of the node that owns the LUN and its HA partner. LUNs that were on the system before the upgrade are visible on all target ports. You

want all LUNs to have paths only to the owning HA pair.

In this scenario, which non-disruptive action would accomplish this task?

A. Add reporting nodes to the LUNs created on clustered Data ONTAP 8.2

B. Add reporting nodes to the LUNs that were created after the upgrade to ONTAP 9.1

C. Re-create the LUNs that were on the system when clustered Data ONTAP 8.2 was running

D. Reboot the fabric switches one at a time

Correct Answer: A

Question 19

You have a switch called NK5-A configured with an NP_Port.

Which switch feature on NK5-A uses NP_Ports to allow for fabric expansion of new FC switches without having to designate additional domain IDs?

A. F-port channel trunking

B. FCIP

C. NPIV

D. NPV

Correct Answer: A

Question 20

Which resource identifies the number of UTA2 ports available on a FAS8020 controller?

A. Hardware Universe

B. Interoperability Matrix Tool

C. Universal SAS and ACP Cabling Guide

D. Config Advisor

Correct Answer: A

Question 21

You notice that reporting nodes are not mapped on a LUN in a 4-node cluster that originally ran an older version of ONTAP. In this scenario, which command would you use to add only the local HA pair to the reporting nodes for the /vol/data/lun1/LUN?

```
c101::> lun mapping show -fields reporting-nodes
Vserver path            igroup reporting-nodes
------- --------------- ------ ---------------
svml    /vol/data/lun1 igroup1 -

c101::> vol show
Vserver  Volume   Aggregate State   Type  Size  Available Used%
-------  ------   --------- -----   ----  ----  --------- -----
svml     data     c101_01 aggr1 online  RW   10GB  8.49GB    15%

c101::> lun mapping show
Vserver  path                           Igroup LUN ID Protocol
-------  ------------------------------ ------ ------ --------
svml     /vol/data/lun1                 igroup1   0    fcp
```

A. Lun mapping add-reporting-nodes –vserver svm1 –path /vol/data/lun1 –igroup igroup1 destination-aggregate data

B. Lun mapping add-reporting-nodes -path /vol/data/lun1 –igroup igroup1 –all false

C. Lun mapping add-reporting-nodes –vserver svm1 -path /vol/data/lun1 –igroup igroup1–local nodes true

D. Lun mapping add-reporting-nodes –vserser svm1 -path /vol/data/lun1 –igroup igroup1 destination-volume cl01_01_aggr1

Correct Answer: C

Question 22
A customer has four SVMs on a 4-node cluster. Each SVM has two FC LIFs per node, for a total of eight LIFs per node.
According to Netapp Best practices, what is the minimum number of ports required per node for this configuration?
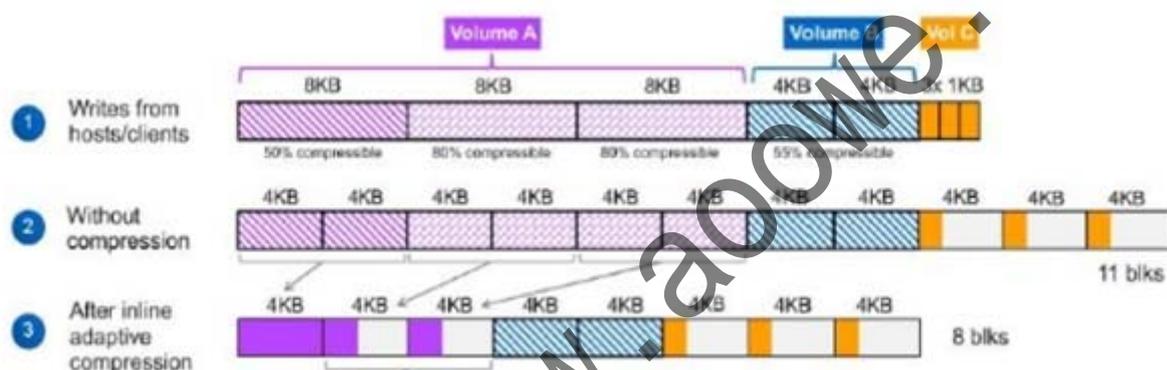A. 16
B. 4
C. 8
D. 2
Correct Answer: D

Question 23
An Administrator has an ONTAP 9.1 cluster. The cluster contains a number of volumes with data writes as shown in the exhibit. Adaptive compression is enabled, and the initial space savings that are shown are achieved. The administrator has enabled data compaction on the volumes.
Referring to the exhibit. How many ONTAP blocks would be used to hold the data after data compaction is enabled?

A. 11
B. 6
C. 10
D. 8
Correct Answer: D

Question 24
You are adding new nodes to an ONTAP cluster.
You need to add the new LIF WWPNs to which object?
A. Reporting nodes
B. Failover group
C. VLAN
D. Switch zone
Correct Answer: D

Question 25
For testing LUN mobility, you are moving a volume that contains a LUN to a different HA pair within the same ONTAP cluster. You want to ensure that the host does not lose access to the LUN that is in the volume being moved. Which action should be performed to accomplish this task?
A. Create a snapmirror of the volume to the destination.
B. Modify the reporting nodes to add the node of the destination and its HA partner.
C. Verify that the volume has snapshots copies enabled.
D. Verify that is enough free space on the volume that is being moved.
Correct Answer: B

Question 26

An administrator has a volume that was created with the storage efficiency features shown in the volume show output. Inside the volume, the administrator creates LUNs lun1 and iun2 lun1 is a 20GB LUN with space reservation enabled. Iun2 is a 30GB LUN with space reservation disabled. 10 GB of data is then written to lun2.

Referring to the exhibit, how much space is allocated for the volume in the parent aggregate?

```
c101::> vol show -vserver test -volume data_vol

                                 Vserver Name: test
                                  Volume Name: data_vol
                               Aggregate Name: c101_v1_aggr0
  List of Aggregates for FlexGroup Constituents: c101_01_aggr0
                                  Volume Size: 100GB
                            Volume Data Set ID: 1103
                      Volume Master Data Set ID: 2160656408
                                 Volume State: online
                                 Volume Style: flex
                         Extended Volume Style: flexvol
                        Is Cluster Mode Volume: true
                         Is Constituent Volume: false
                         ...
                               Available Size: 100.00GB
                              Filesystem Size: 100GB
                        Total User-Visible Size: 100GB
                                   Used Size: 236KB
                             Used Percentage: 0%
            Volume Nearly Full Threshold Percent: 95%
                 Volume Full Threshold Percent: 98%
          Maximum Autosize (for flexvols only): 150GB
                             Minimum Autosize: 100GB
                 Autosize Grow Threshold Percent: 85%
               Autosize Shrink Threshold Percent: 50%
                                Autosize Mode: grow
              Total Files (for user-visible data): 311287
               Files Used (for user-visible data): 97
                      Space Guarantee in Effect: true
                           Space SLO in Effect: true
                                     Space SLO: none
                       Space Guarantee Style: volume
                           Fractional Reserve: 100%
```

A. 30 GB
B. 50 GB
C. 100 GB
D. 10 GB
Correct Answer: C

Question 27

You have a host with multiple initiator ports attaching to a single SAN LIF. With this setup, which action is required?

A. You must use host multipathing software.

B. You must use an individual SAN LIF for each initiator port.

C. You must use a portset.

D. You must use a SAN LIF failover group.

Correct Answer: B

Question 28

Which two flags would you use to enable NetApp thin provisioning on a LUN? (Choose two.)

A. -spacereserve enabled -spaceallocation enabled

B. -spacereserve enabled -spaceallocation enabled

C. -spacereserve disabled -spaceallocation disabled

D. -spacereserve disabled -spaceallocation enabled

Correct Answer: CD

Question 29

A company has a 4-node ONTAP cluster called "cl01". Each node uses two UTA2 ports for data traffic, so that LAN traffic and SAN traffic pass over the same physical ports. A storage virtual machine called "svm1" is created and enabled for iSCSI only. An administrator creates a LUN in svm1 and maps it to an igroup. Storage is scanned on the end host, but the LUN is not visible. What caused this problem?

A. The SVM firewall policy blocking port 3260 on the data LIFs

B. The igroup does not contain the appropriate initiators

C. Switch zoning is not configured properly to allow connectivity

D. One of the Ifs is not online and communicating with the end host.

Correct Answer: D

Question 30

A volume with a single LUN shows 30% deduplication savings. However, the output of df on the cluster does not show the 30% savings back to the volume or aggregate.

What is causing this behavior?

A. Volume space guarantee is set to none.

B. Volume space guarantee is set to volume.

C. LUN space reserve is disabled.

D. LUN space reserve is enabled.

Correct Answer: D

Question 31

A customer wants to set up storage so that the LUNs have no possibility to go offline. There are multiple LUNs per volume. There should be extra available space in the volume for snapshot copies.

Which two configuration settings would accomplish task? (Choose two.)

A. Volume guarantee = volume LUN reservation = enabled Fractional reservation =100% Snapshot autodelete = disabled Autogrow = enabled

B. Volume guarantee = none LUN reservation = enabled Fractional reservation =0 Snapshot autodelete = enabled Autogrow = enabled

C. Volume guarantee = volume LUN reservation = enabled Fractional reservation =0 Snapshot autodelete = disabled Autogrow = disabled

D. Volume guarantee = volume LUN reservation = enabled Fractional reservation =100% Snapshot autodelete = enabled Autogrow = disabled

Correct Answer: AD

Question 32

An administrator has an ONTAP cluster configured for SAN use. There are no port sets configured on the cluster. The SAN is configured as dual-fabric, with no zones defined on the

switches.

Referring to the exhibit, which two statements describe the host-to-storage connectivity? (Choose two.)

```
# sanlun lun show -p
                    ONTAP Path: vs_data28_2:/vol/vol1/lun1
                           LUN: 2
                      LUN Size: 3g
                          Mode: C
                   Host Device: 3600a09803246664c422b2d51674f74/0
              Multipath Policy: round-robin 0
            Multipath Provider: Native
--------   -----------   -------   -----------   ----------------
host       vserver
path       path          /dev/     hots          vserver
state      type          node      adapter       LIF
--------   -----------   -------   -----------   ----------------
up         primary       sdfo      host 0        lif1
up         primary       sdfk      host 0        lif2
up         primary       sdga      host 1        lif3
up         primary       sdge      host 1        lif4
up         secondary     sdgm      host 1        lif5
up         secondary     sdg       host 0        lif6
up         secondary     sdfv      host 0        lif7
up         secondary     sdgq      host 1        lif8
```

A. DM-MP is in use

B. Each FAS9000 node has 4 targets ports per fabric

C. Each FAS9000 node has 2 targets ports per fabric

D. There are eight optimized paths from host to storage

Correct Answer: AB

Question 33

In a 4-node cluster, how many LIFs are required on each node to allow a host to use ALUA and have multiple optimized paths to each LUN?

A. 1

B. 2

C. 4

D. 6

Correct Answer: B

Question 34

Which two resources would you use to determine the number of UTA2 ports and the availability of FC support for an AFF A300? (Choose two.)

A. Config Advisor

B. Unified Host Utility Kit

C. Interoperability Matrix Tool
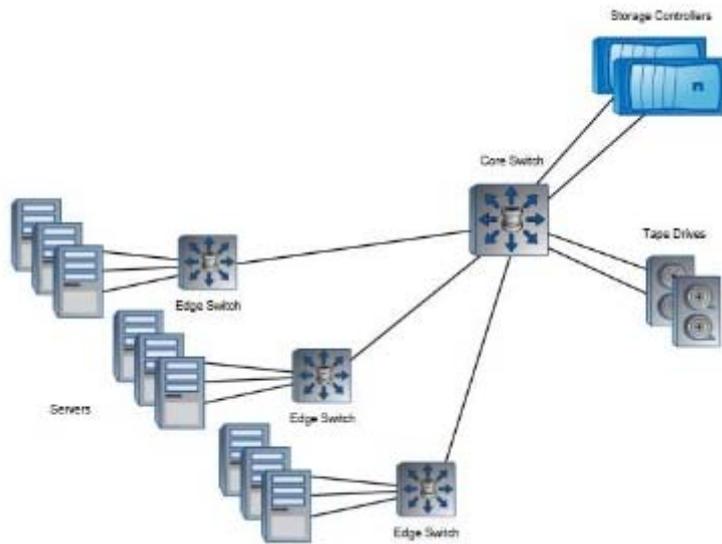
D. Hardware Universe

Correct Answer: CD

Question 35

What is the correct provisioning order of a new ONTAP storage solution?

A. LUNs, volumes, aggregates

B. LUNs, aggregates, volumes

C. Volumes, aggregates, LUNs
D. Aggregates, volumes, LUNs
Correct Answer: D

Question 36

A. Core-edge
B. Star
C. Partial mesh
D. Mesh
Correct Answer: A

Question 37
Referring to the volume v_iscsi_exch01 shown in the exhibit, which two LUN combinations can you create? (Choose two.)

```
c101::> vol show -vserver svml -volume v_iscsi_exch01

                            Vserver Name: svml
                             Volume Name: v_iscsi_exch01
                          Aggregate Name: a1_c101_sas
                             Volume Size: 5GB
                            Volume State: online
                            Volume Style: flex
                          Available Size: 4.75GB
                         Filesystem Size: 5GB
                               Used Size: 144KB
                         Used Percentage: 5%
        Volume Nearly Full Threshold Percent: 95%
              Volume Full Threshold Percent: 98%
    Maximum Autosize (for flexvols only): 6GB
(DEPRECATED) Autosize Increment (for flexvols only): 256MB
                       Minimum Autosize: 5GB
          Autosize Grow Threshold Percent: 85%
        Autosize Shrink Threshold Percent: 50%
                          Autosize Mode: off
    Autosize Enabled (for flexvols only): false
                  Space Guarantee Style: volume
               Space Guarantee in Effect: true
       Space Reserved for Snapshot Copies: 5%
                   Snapshot Reserve Used: 0%
                         Snapshot Policy: none
                              Node name: c101-01
                      Fractional Reserve: 100%
        Primary Space Management Strategy: volume_grow
                 Total Physical Used Size: 144KB
                 Physical Used Percentage: 0%
```

A. Five LUNS, each LUN 3GB in size, with the LUN option space-reserve set to enabled
B. Three LUNS, each LUN 5GB in size, with the LUN option space-reserve set to enabled
C. Two LUNS, each LUN 5GB in size, with the LUN option space-reserve set to disabled
D. Four LUNS, each LUN 1GB in size, with the LUN option space-reserve set to enabled
Correct Answer: CD

Question 38
You configured a new host and followed all the recommended cabling, configuration, and the best
practice guides, However, the host OS is reporting one less path to storage than expected.
In this scenario, which two diagnostic commands would assist in insolating the path to
investigate?
(Choose two.)
A. fcp status
B. fcp portname show
C. fcp ping-initiator
D. fcp ping-igroup
Correct Answer: CD

Question 39
You are asked to configure the Service Processor on a newly installed node, and must verify the

following command:
system-service processor network modify –node local –address-family IPv4 –enable true -ip-address 192.168.123.98 –netmask 255.255.255.0
Which statement about this command is true?
A. –nodeshould reference the actual node name.
B. The gateway IP address is missing.
C. The Link Local IP Address is missing.
D. IPv6 is required for the SP.
Correct Answer: AB

Question 40
You want to ensure maximum performance of iSCSI LUNs. Which statement is correct in this scenario?
A. Configure your network to have Layer 3 switches.
B. Enable flow control on the switch.
C. Set the MTU size to 9000.
D. Use 1GbE instead of 1OGbE.
Correct Answer: C

Question 41
You are deploying iSCSI on a newly installed ON TAP cluster. Your network administrator has provided you with 10 Gb network links and physically connected them to your nodes.
According to NetApp best practice, which two network settings should you configure to optimize performance? (Choose two.)
A. Enable jumbo frames.
B. Disable jumbo frames.
C. Disable Ethernet flow control for all ports.
D. Use single initiator, multiple target zoning.
Correct Answer: AC

Question 42
What are two important considerations when issuing the lun move start command? (Choose two.)
A. Storage efficiency deduplication metadata is moved with the LUN.
B. The lun must have a load-sharing mirror to ensure availability during the move.
C. The size of the destination volume must or exceed the size of the LUN.
D. LIFs should be available on the destination HA pair.
Correct Answer: CD

Question 43
Your vSphere administrator asked you to create an additional 5GB boot LUN for their new ESX1 installation. To complete this request, you have entered the following CLI commands:
lun create –vserver svm1 -volume boot -lun exsi_1 -size 5G -ostype vmwareigroup create -vserver svm1 -igroup esxi_1 -protocol fcp -ostype vmware –initiator 50:01:43:80:05:68:5f: B6
However, the vSphere administrator has reported that they are unable to see the newly configured LUN. What must you do to solve the problem?
A. Reboot the ES XI server.
B. License the duster for FC.
C. Map your LUN to the igroup.
D. Create a new SAN LIF.
Correct Answer: C

Question 44
To provide host connectivity for both SAN and NAS protocols, which combination is valid?

A. UTA2 configured as FC connected to an FCoE-enabled switch with CNAs in the host
B. UTA2 configured as FCoE connected to a FCoE-enabled switch with FC HBAs in the host
C. UTA2 configured as 10Gb Ethernet connected to an Ethernet switch with CNAs in the host
D. UTA2 connected to an FCoE-enabled switch with CNAs in the host
Correct Answer: D

Question 45

A storage administrator wants to ensure multipathing between the initiator and the target. The current connection uses target portal group 1027.
Referring to the exhibit, which IP address should be used to accomplish this task?

A. 192.168.0.53
B. 192.168.0.165
C. 192.168.0.167
D. 192.168.0.166
Correct Answer: D

Question 46

You have a host that loses connectivity to a LUN after a volume is moved from one node to another node in the cluster. You verified that you do not have a problem with the cluster, a switch, or reporting nodes.
Which two actions will help determine the problem? (Choose two.)
A. Verify the HBA timeout settings.
B. Verify that the SnapDrive version is supported for the host and ONTAP version.
C. Verify that the SANtricity Storage Manager version is supported on the host.
D. Verify that MPIO and ALUA are enabled.
Correct Answer: AD

Question 47

Your host supports SCSI T10 thin provisioning for automatic host-side space management, and it enabled. Which ONTAP LUN parameter will keep the LUN online when it is full?
A. Space-allocation
B. Max-resize
C. Non-space-reserve
D. Space-reserve
Correct Answer: D

Question 48

You notice that a host is performing poorly and that the load on the storage system is higher than expected.

In this scenario, which statement is correct?

A. The host application administrator is currently logged into the host.

B. Cluster node clocks are not synchronized.

C. The cluster node has only one spare disk.

D. The LUN I/O is misaligned.

Correct Answer: D

Question 49

You are connecting a controller to a 10Gbps switch that is 10 meters away. Which type of cabling is required in this scenario?

A. short range SFP with LC-LC multimode

B. FC SFP with LC-LC optical

C. Twinax

D. long range SFP with LC-LC multimode

Correct Answer: A

Question 50

You are configuring a Fibre Channel SAN in your cluster for the first time. In this scenario, which switch feature is required for ONTAP Fibre Channel SAN to operate correctly?

A. Dynamic Path Selection (DPS)

B. Forward Error Correction (FEC)

C. N_Port ID Virtualization (NPIV)

D. iSCSI Type, Length, Value (TLV)

Correct Answer: C

Question 51

An administrator has a 4-node NetApp cluster that was originally installed with clustered Data ONTAP 8.3. The administrator is going to upgrade to ONTAP 9.1.

What are two considerations for the upgrade process? (Choose two.)

A. The administrator must do an intermediate upgrade to ONTAP 9.0, before upgrading to ONTAP

B. Reporting nodes will be set by default on all LUNs after the upgrade process.

C. A rolling upgrade needs to be used for this process-because of the current ONTAP version.

D. All LIFs must reside on their home ports prior to the upgrade.

Correct Answer: CD

Question 52

ONTAP DSM 4.1 is the multipathing option for which host operating system?

A. VMware ESXi 6.0

B. Redhat Linux 7.0

C. Windows Server 2012R2

D. Oracle Solaris 11

Correct Answer: C

Question 53

When using the GUID Partition Table for a Windows Server 2016 system, which LUN type would be used?

A. windows_gpt

B. windows_2008

C. windows

D. linux

Correct Answer: A

Question 54
You have a 2-node FAS900 cluster with six FC LIFs per node.
In this scenario, which two methods will limit the total number of paths to eight paths per LUN?
(Choose two.)
A. FC queue depth
B. Port sets
C. SLM
D. FC switch zoning
Correct Answer: BC