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https://www.dumpsdb.com/dumps/NetworkAppliance/NS0-185/NetworkAppliance.NS0-185.v2026-11-09.q85	

NEW QUESTION: 1
What is the minimum number of disks required in a SAS shelf?
A. half of the shelf's capacity
B. one
C. two
D. there is no minimum
Answer: (SHOW ANSWER)
From a hardware installation perspective, NetApp SAS shelves are designed to function witha minimum of one installed disk. While performance, redundancy, and aggregate creation require additional disks, the physical shelf itself does not mandate a minimum disk count beyond one for detection and operation.
This flexibility allows administrators to stage hardware installations or expand capacity incrementally.
However, ONTAP best practices strongly recommend populating shelves in ways that support RAID protection and performance requirements.
Therefore, the minimum number of disks required in a SAS shelf isone, making optionBcorrect.

NEW QUESTION: 2
When configuring multipathing for SAN hosts, which two components are necessary to ensure redundancy and path failover in ONTAP environments?
A. Multiple LIFs per node
B. Host multipathing software
C. CIFS server configuration
D. Snapshot schedules
Answer: A,B (LEAVE A REPLY)
Multiple LIFs provide redundant paths, and host multipathing software manages failover. CIFS and snapshots do not impact SAN path redundancy.

NEW QUESTION: 3

You have a 4-node ONTAP 9.8 cluster with an AFF A400 HA pair, and you are adding a FAS8300 HA pair to the cluster. The FAS8300 controllers are not new and were decommissioned from another cluster. You are asked to enable hardware-level HA on the FAS8300 controllers. In this scenario, which shell is used on the FAS8300 controllers to enable this feature?

A. system

B. node

C. maintenance

D. cluster

Answer: C (LEAVE A REPLY)

https://kb.netapp.com/on-prem/ontap/OHW/OHW-KBs/Controller_hardware_upgrade_for_AFF_and_FAS_systems_resolution_guide

NEW QUESTION: 4

After the successful installation of a NetApp ONTAP cluster, the customer wants to view telemetry data and receive online information about risks and best-practice gaps.

Which tool satisfies the customer's requirements?

A. Active IQ Digital Advisor

B. Interoperability Matrix Tool

C. Spot by NetApp

D. Cloud Manager

Answer: A (LEAVE A REPLY)

Active IQ Digital Advisor provides telemetry analysis, predictive risk detection, and best-practice recommendations based on AutoSupport data. It is specifically designed for proactive monitoring and risk mitigation.

NEW QUESTION: 5

You are deploying a new AFF All SAN Array A250 into a customer's existing data fabric. In this scenario, which two tools would give insight into their existing Cisco MDS fabric configuration? (Choose two.)

A. Brocade SAN Health

B. Cisco Data Center Network Manager (DCNM)

C. Active IQ

D. Active IQ Config Advisor

Answer: (SHOW ANSWER)

Brocade SAN Health provides an accurate view of the SAN environment with fabric topologies and detailed performance metrics. Brocade SAN Health audit reports provide detailed color- coded hierarchical SAN insights from Brocade FOS, Brocade M-EOS, the Brocade Mi10K Director, and Cisco MDS switches. The tool supports discovery and reporting of both open systems and FICON fabrics.

NEW QUESTION: 6

What is the main function of ACP?

A. It allows cabling the shelf to two additional controllers.

B. It allows the controller to use Ethernet instead of SAS to fetch storage data.

C. It allows the controller to nondisruptively reset the SAS expanders.

D. It enables automatic shelf ID assignment.

Answer: C (LEAVE A REPLY)

Alternate Control Path (ACP) provides anout-of-band management pathto disk shelves, allowing ONTAP to monitor and reset SAS expanders nondisruptively. It does not carry data traffic and does not assign shelf IDs.

NEW QUESTION: 7
You completed the installation of an AFF A700s with NetApp CN1610 switches using breakout cables. Ports e0e and e0i are not visible.
What caused this problem?
A. Breakout cables were used and the second port on the same ASIC became disabled.
B. This is a hardware error.
C. Ports must be enabled manually.
D. A license is missing.
Answer: (SHOW ANSWER)
Using breakout cables disables paired ports on the same ASIC. This is expected behavior.

NEW QUESTION: 8
After updating BES-53248 cluster switches, which two commands verify a healthy cluster? (Choose two.)
A. network device-discovery show -protocol cdp
B. network interface show -vserver Cluster
C. network interface show -vserver Cluster -fields auto-revert
D. network port show -ipspace Cluster
Answer: B,D (LEAVE A REPLY)

NEW QUESTION: 9
While you are introducing the customer to the NetApp Support website, they ask you to ensure that the new ONTAP storage array is covered by support before you complete the knowledge transfer procedure.
Referring to the exhibit, which two widgets would you select to accomplish this task?(Choose two.)



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dumpsdb.com

A. Active IQ
B. Systems
C. Product Support
D. Contracts and Warranties
Answer: B,D (LEAVE A REPLY)

NEW QUESTION: 10
You want to monitor and manage storage system parameters such as temperature, voltage, current, and fan speeds over Ethernet. In this scenario, which component is a system- independent resource in the storage system that helps you accomplish this task?
A. USB port
B. SP port
C. SFP+ port
D. serial port
Answer: B (LEAVE A REPLY)
https://docs.netapp.com/us-en/ontap-sm-classic/online-help-96-97/concept_service_processors.html

NEW QUESTION: 11
Which logical interface has a fixed firewall policy?
A. data LIF
B. cluster management LIF
C. cluster LIF
D. intercluster LIF
Answer: C (LEAVE A REPLY)
Within ONTAP SAN concepts, logical interfaces (LIFs) are assigned specific roles, and each role has predefined networking and security behaviors. Among all LIF types, thecluster LIFis unique because it has a fixed firewall policythat cannot be modified by administrators.
Cluster LIFs are used exclusively forinternal cluster communication, including replication of configuration databases, cluster heartbeat traffic, and distributed data access coordination. Because of their critical role, NetApp enforces a fixed firewall policy to protect cluster integrity and prevent accidental or malicious changes that could disrupt cluster operations.
Data LIFs, cluster management LIFs, and intercluster LIFs all allow configurable firewall policies.
Administrators can adjust these policies to permit or restrict protocols such as NFS, SMB, iSCSI, HTTPS, SSH, or SnapMirror traffic depending on deployment requirements.
By contrast, cluster LIF firewall settings are locked to ensure that only cluster-related traffic is permitted. This design ensures predictable behavior and prevents misconfiguration during installation or troubleshooting.
Therefore, the only LIF with a fixed firewall policy is thecluster LIF, makingCthe correct answer.

NEW QUESTION: 12
You are preparing to add a 2-node AFF A250 system to an existing 4-node AFF A800 cluster with Cisco Nexus 3232C switches. The cluster switches are currently running the Cluster-HA RCF. In this scenario, which two steps are required to install the AFF A250 system? (Choose two.)
A. Load the Storage RCF.
B. Cable the AFF A250 nodes to the next free ports on the switch.
C. Cable the AFF A250 nodes to the breakout ports on the switch.
D. Load the Cluster-HA-Breakout RCF.
Answer: C,D (LEAVE A REPLY)
https://mysupport.netapp.com/site/info/cisco-ethernet-switch
https://docs.netapp.com/us-en/ontap-metrocluster/install-ip/port_usage_3232c_9336c.html

NEW QUESTION: 13
You are installing a new AFF A250 2-node cluster at a remote site for a customer. The customer asks how they can connect to perform remote power management operations on the cluster from their HQ. In this scenario, which connection would you advise the customer to use?
A. Data LIF
B. Cluster Management
C. BMC
D. Node Management
Answer: C (LEAVE A REPLY)
https://docs.netapp.com/us-en/ontap-systems/a250/install-detailed-guide.html

NEW QUESTION: 14
Poppy Pet Care Kennels is developing a website system. The following are potential actors:
A) Poppy Pet Care Kennels

B) Kennel assistants
C) The managing director
D) Customers
E) Quality manager
Which of these would be drawn as actors on the use case diagram?
A. A, B and C
B. A, D and E
C. B, D and E
D. B, C and E
Answer: C (LEAVE A REPLY)
Actors areexternal users interacting with the system. Kennel assistants, customers, and the quality manager directly interact with the system. The organization itself and managing director are stakeholders, not actors.

NEW QUESTION: 15
Which switch vendor is supported for the cluster network switches?
A. Juniper Networks
B. Cisco
C. Brocade
D. Hewlett-Packard
Answer: B (LEAVE A REPLY)
ONTAP cluster networks support specific switch vendors validated by NetApp.Ciscois a supported and commonly used vendor for ONTAP cluster interconnect switches.
Other vendors listed are not supported for ONTAP cluster networks.

NEW QUESTION: 16
Which command would be used to measure the throughput and latency of traffic between nodes?
A. qos statistics workload performance show
B. cluster ping-cluster
C. network test-path
D. statistics node show
Answer: C (LEAVE A REPLY)
https://docs.netapp.com/us-en/ontap-cli-9111/network-test-path.html#parameters

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NEW QUESTION: 17
To improve storage efficiency, a customer wants to reduce physical storage consumption. Which two ONTAP features help achieve this by eliminating redundant data and optimizing space usage?
A. Deduplication

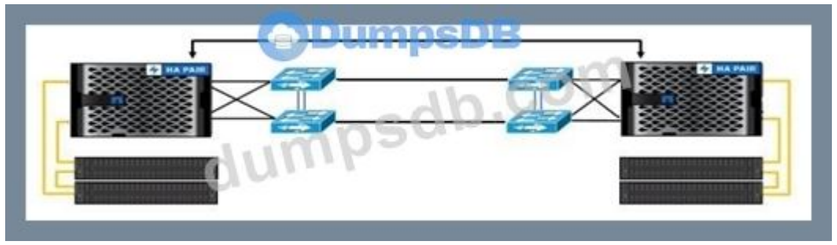
B. Compression
C. SnapMirror
D. RAID-DP
Answer: A,B (LEAVE A REPLY)
Deduplication removes duplicate data blocks, and compression reduces data size. SnapMirror is for replication, while RAID-DP provides redundancy but does not reduce storage consumption.

NEW QUESTION: 18
You are working with a customer on a new data center installation. You need to calculate the noise levels, power draw, and heat that the NetApp systems in this data center will produce. In this scenario, which two tools would satisfy these requirements? (Choose two.)
A. Hardware Universe
B. Active IQ website
C. Storage Subsystem Guide
D. NetApp Fusion
Answer: (SHOW ANSWER)
https://kb.netapp.com/on-prem/ontap/DM/Efficiency/Efficiency-KBs/How_to_check_AFF_storage_efficiency_with_the_NetApp_PowerShell_Toolkit

NEW QUESTION: 19
You are configuring network redundancy for data access. Which two ONTAP features ensure continuous availability of client connections during network failures or maintenance events?
A. LIF failover
B. Interface groups (ifgrps)
C. Snapshot copies
D. RAID groups
Answer: (SHOW ANSWER)
LIF failover allows logical interfaces to move between ports, while ifgrps aggregate links for redundancy. Snapshot copies and RAID groups protect data but do not ensure network availability.

NEW QUESTION: 20
You deployed a new 2-node AFF A400 cluster that is running ONTAP 9.8. You performed the basic Installation steps. The customer wants to use the cluster exclusively for NVMe over Fabric (NVMe-oF) connectivity with the hosts. In this scenario, which two statements are true? (Choose two.)
A. You must enable the NVMe-oF personality in the maintenance menu to use NVMe-oF.
B. You must install the NVMe license.
C. You must create an NVMe-oF namespace.
D. You must install the FCP license.
Answer: B,C (LEAVE A REPLY)
https://docs.netapp.com/us-en/ontap-systems/a400/install-detailed-guide.html

NEW QUESTION: 21
Click the Exhibit button. What are two functions of the four Ethernet switches in the supported configuration that is shown in the exhibit? (Choose two.)



A. to provide a direct connection for the SnapMirror Synchronous (SM-S)
B. to install cross-site cluster management switches
C. to provide connectivity for NVRAM over iWARP
D. to enable SyncMirror replication
Answer: C,D (LEAVE A REPLY)
SnapMirror Synchronous does not support Metro Cluster.
https://docs.netapp.com/us-en/ontap/data-protection/snapmirror-synchronous-disaster-recovery- basics-concept.html#supported-features

NEW QUESTION: 22
An administrator issued the cluster setup command and configured a 2-node ONTAP 9.8 cluster.
In this scenario, which tool would the administrator use to validate the configuration?
A. Active IQ Upgrade Advisor
B. Interoperability Matrix Tool
C. NetAppDocs
D. Active IQ Config Advisor
Answer: D (LEAVE A REPLY)
Active IQ Config Advisor, thats the Tool i validate the Installation. NetApp Docs is for documentation.
https://docs.netapp.com/us-en/ontap-sm-classic/expansion/task_validating_configuration_expanded_cluster.html

NEW QUESTION: 23
Which two statements are true about the LIFs that are used for a cluster peer relationship?
(Choose two.)
A. The MTU size must be set to 9000 bytes on all the LIFs used for the cluster peering.
B. The LIFs must use the default intercluster service policy.
C. The LIFs must be in dedicated broadcast domains an IPspaces.
D. At least one LIF per node is required on each cluster.
Answer: B,D (LEAVE A REPLY)
You must have created intercluster LIFs on every node in the clusters that are being peered.
Node is must one lif.

NEW QUESTION: 24
A customer has two Cisco 40GbE data switches. They want to connect the switches to an AFF A400 HA pair.
The switches and the AFF A400 are approximately seven meters apart.



Referring to the exhibit, which two supported actions would allow you to accomplish this task? (Choose two.)

A. Relocate the switches or the AFF A400 so that the distance is less than five meters.

B. Install 10 meter NetApp supported copper cables.

C. Change the requirement for Ethernet cables.

D. Change the requirement for optical cables.

Answer: (SHOW ANSWER)

NetApp hardware installation documentation strictly definessupported cable types and distancesfor Ethernet connectivity. For 40GbE connections using QSFP+ interfaces, NetApp supports both copper and optical cabling, each with specific distance limitations.

The exhibit shows supported copper cable options, including10-meter NetApp-supported copper cables, which exceed the current seven-meter requirement. Installing these supported cables is a valid and compliant solution.

Alternatively, the customer can change the requirement tooptical cables, which support significantly longer distances and are fully supported for AFF A400 40GbE connectivity. Optical cables are commonly used when distance exceeds passive copper limitations.

Relocating equipment is not required when supported cabling options exist. Changing "Ethernet cable requirements" generically is not a valid technical action.

Therefore, the correct answers areB and D.

NEW QUESTION: 25

You are deploying a new AFF All SAN Array A250 into a customer's existing data fabric.

In this scenario, which two tools would give insight into their existing Cisco MDS fabric configuration?

(Choose two.)

A. Brocade SAN Health

B. Cisco Data Center Network Manager (DCNM)

C. Active IQ

D. Active IQ Config Advisor

Answer: B,D (LEAVE A REPLY)

The customer's environment uses aCisco MDSSAN fabric, so a Cisco-focused management/visibility tool is the most direct way to gain insight into the fabric's configuration, health, zoning state, and operational status.

Cisco Data Center Network Manager (DCNM)is a Cisco tool designed for managing Cisco SAN (including MDS) and therefore is the correct selection for Cisco fabric configuration insight.

From a NetApp installation and assessment perspective, the second tool that provides valuable insight- especially in the context of deploying NetApp storage into an existing fabric-isActive IQ Config Advisor.

Config Advisor is used to validate installation-related configuration and cabling and to detect configuration issues across the environment, including SAN connectivity/cabling checks from the NetApp side. While it is not a Cisco fabric manager, it is the NetApp tool used during installation and verification phases to identify configuration and connection problems that affect successful deployment into a SAN environment (for example, incorrect connectivity patterns or misconfigurations that would impact host/storage access).
Option A (Brocade SAN Health) is purpose-built for Brocade environments and does not match "Cisco MDS fabric configuration." Option C (Active IQ) focuses on NetApp system health, telemetry, and risks for NetApp arrays rather than providing direct insight into a Cisco MDS fabric configuration.
Therefore, the two tools that best satisfy "insight into their existing Cisco MDS fabric configuration" in the context of deploying NetApp SAN storage areB. Cisco DCNM(Cisco-side fabric visibility) andD. Active IQ Config Advisor(NetApp-side installation validation and connectivity/configuration checks relevant to the fabric integration).

NEW QUESTION: 26
You are attempting to add a new ONTAP 9.7 node to your ONTAP 9.8 NetApp cluster. After attempting to add the node, the operation fails as shown in the exhibit.

```
s0184-98::> cluster add-node-status

lode Name        Cluster IP          Status    Error Reason
-------------- ------------------ --------- ------------------------
is0184-98-01     169.254.111.185    success
is0184-98-02     169.254.124.154    success
is0184-97        168.254.242.195    failure   Failed to start cluster
                                              join on node:
                                              169.254.242.195: Cluster
                                              join operation cannot be
                                              performed at this time:
                                              Cannot join node to the
                                              cluster because this is a
                                              mixed-version cluster.
                                              All nodes in the cluster
                                              should be running the
                                              same software version
                                              before a node is added.
                                              To attempt the join
                                              anyway, use the
                                              "-allow-mixed-version-
                                              join" parameter. Resolve
                                              the issue, then try the
                                              command again.
entries were displayed
```

What are two nondisruptive ways to add the new node to your ONTAP cluster? (Choose two.)
A. Revert the cluster from ONTAP 9.8 to ONTAP 9.7.
B. Re-initialize all the nodes in the ONTAP cluster with ONTAP 9.7.
C. Upgrade the new node from ONTAP 9.7 to ONTAP 9.8.
D. Add the node using the -allow-mixed-version-join parameter.
Answer: (SHOW ANSWER)
ONTAP clusters require that all nodes run the same ONTAP version before a node can join the cluster under normal conditions. The exhibit clearly indicates that the join operation failed because the cluster is running ONTAP 9.8 while the new node is running ONTAP 9.7, resulting in a mixed-version cluster restriction.

One nondisruptive solution is toupgrade the new node to ONTAP 9.8before attempting to join it to the cluster. This approach aligns the software version of the new node with the existing cluster and fully complies with NetApp-supported installation procedures. It does not impact cluster availability and is the preferred long-term solution.
The second nondisruptive option is to use the-allow-mixed-version-joinparameter. ONTAP explicitly allows this method to temporarily permit a mixed-version cluster for the purpose of expansion or upgrade workflows.
This option is designed for controlled scenarios and allows the node to join without disrupting existing cluster operations. However, the mixed-version state is intended to be temporary and must be resolved by upgrading the remaining nodes.
Reverting the cluster or reinitializing all nodes would be disruptive and violate nondisruptive installation principles. Therefore, the correct answers areC and D.

NEW QUESTION: 27
Click the Exhibit button. After installation of a new ONTAP cluster, you experience a problem.
You successfully create a support case on the NetApp Support site. The customer asks you how to view the status of the case. Referring to the exhibit, which two steps would allow the customer to accomplish this task? (Choose two.)



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A. Open https://support.netapp.com, using the partner credentials.
B. Open https://support.netapp.com, using the customer credentials.
C. Open My Cases, and select the 41747189 case number.
D. Open My Cases, and select Create a Case.
Answer: B,C (LEAVE A REPLY)
Reference: https://mysupport.netapp.com/site/info/find-support

NEW QUESTION: 28
Which two statements are true about the LIFs that are used for a cluster peer relationship? (Choose two.)
A. The MTU size must be set to 9000 bytes on all the LIFs used for the cluster peering.
B. The LIFs must use the default intercluster service policy.
C. The LIFs must be in dedicated broadcast domains and IPspaces.
D. At least one LIF per node is required on each cluster.
Answer: B,D (LEAVE A REPLY)
Cluster peering enables data replication and disaster recovery features such as SnapMirror and SnapVault.
LIF configuration for cluster peering follows specific ONTAP SAN concepts.
Each cluster participating in a peer relationship must haveat least one intercluster LIF per node. This ensures redundancy and allows ONTAP to balance replication traffic across nodes.
Additionally,intercluster LIFs must use the default intercluster service policy, which defines the permitted traffic types and security rules required for peering operations.
An MTU of 9000 is recommended but not mandatory. Dedicated broadcast domains or IPspaces are optional and depend on network design.
Therefore, the correct answers areB and D.

NEW QUESTION: 29
Referring to the exhibit, you installed a new AFF A250 HA system with FC at a customer site. The customer asks how many ports can be used for the Ethernet host connections.



In this scenario, what would you tell the customer?
A. 4
B. 8
C. 10
D. 12
Answer: B (LEAVE A REPLY)
The AFF A250 provideseight Ethernet portsthat can be used for Ethernet-based host connectivity, depending on adapter configuration. FC ports are separate and do not count toward Ethernet host connections.

NEW QUESTION: 30
You have added two new AFF A250 nodes to an existing 4-node cluster with NetApp CN1610 cluster network switches. Although the nodes can join the cluster, the storage failover show command output shows that the NVRAM log is not synchronized, and it cannot reach the partner over an HA interconnect. In this scenario, which two statements are true? (Choose two.)
A. The AFF A250 requires switches with 40GbE port support.
B. The AFF A250 uses different ports for the cluster and the HA interconnect.

C. The AFF A250 requires switches with 25GbE port support.
D. The AFF A250 uses the same port for the cluster and the HA interconnect.
Answer: C,D (LEAVE A REPLY)
https://kb.netapp.com/Advice_and_Troubleshooting/Flash_Storage/AFF_Series/Controller_Hardw are_Upgrade%3A_Adding_AFF_A250_nodes_to_existing_cluster_report_HA_interconnect_error s_and_cannot_perform_takeover Shows using 25GbE for interconnect switches
https://docs.netapp.com/us-en/ontap-systems/a250/install-detailed-guide.html#required-cabling- cable-controllers-to-a-cluster

NEW QUESTION: 31
You finished installing a 2-node cluster and want to verify correct operation.
Which two methods can be used? (Choose two.)
A. OnCommand Performance Manager GUI
B. cluster ha show and storage failover show commands
C. system node autosupport check show
D. OnCommand System Manager GUI
Answer: B,D (LEAVE A REPLY)

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NEW QUESTION: 32
You are preparing to install a new clustered Data ONTAP system.
Which tool prepares all the relevant customer and configuration information?
A. Config Advisor
B. Cluster Config Builder
C. AutoSupport
D. OnCommand System Manager
Answer: (SHOW ANSWER)

NEW QUESTION: 33
When troubleshooting ONTAP installation issues, which NetApp website would you use to search for advice and guidance?
A. https://kb.netapp.com
B. https://netapp.sabacloud.com
C. https://cloud.netapp.com
D. https://netapp.com
Answer: (SHOW ANSWER)
https://kb.netapp.com/Advice_and_Troubleshooting/Data_Storage_Software/ONTAP_OS/How_to _troubleshoot_common_HA_issues_in_ONTAP

NEW QUESTION: 34
A customer is asked to install a new AFF ASA A700 system. During the installation, the customer asks if ONTAP 9.8 is supported with their host's OS version running Windows 2016.
In this scenario, which NetApp tool would verify supportability?
A. ONTAP System Manager
B. Active IQ Unified Manager
C. Active IQ OneCollect
D. Interoperability Matrix Tool
Answer: D (LEAVE A REPLY)
Verifying interoperability between ONTAP versions, storage platforms, host operating systems, protocols, and host utilities is a mandatory step in NetApp solution assessment and installation planning. The Interoperability Matrix Tool (IMT)is the authoritative NetApp resource used to confirm whether a specific combination of components is supported.
In this scenario, the customer needs to verify thatONTAP 9.8is supported withWindows Server 2016on an AFF ASA A700 system. IMT allows administrators to search by storage OS version, platform model, host OS, protocol (iSCSI, FC, NVMe), and host utilities to ensure the configuration is supported.
ONTAP System Manager is used for system administration, not supportability validation. Active IQ Unified Manager focuses on monitoring and performance. Active IQ OneCollect is used for data collection, not compatibility verification.
Therefore, the correct tool is theInteroperability Matrix Tool.

NEW QUESTION: 35
You completed a 2-node AFF A700 installation according to the poster. You run the disk show -fields owner command and notice that all drives are assigned to node 1.
In this scenario, which tool would you use to access documentation and guidelines to solve the issue?
A. Active IQ Unified Manager
B. Active IQ One Collect
C. NET2
D. NetAppDocs
Answer: D (LEAVE A REPLY)
NetAppDocsprovides official installation documentation, posters, and step-by-step guidelines. It is the correct resource for resolving disk ownership and installation workflow issues.

NEW QUESTION: 36
You are deploying an 8-node AFF A700 by using BES-53248 cluster switches. During the installation, you notice that ports higher than 16 are not coming online. You verify that the additional licenses are installed.
Which two additional steps must be taken to bring the additional ports online? (Choose two.)
A. Reload the firmware
B. Reload the RCF file
C. Re-enable each port
D. Reload the switch
Answer: (SHOW ANSWER)
https://docs.netapp.com/us-en/ontap-systems-switches/switch-bes-53248/replace-install-rcf.html#reset-the-broadcom-ip-switch-to-factory-defaults

NEW QUESTION: 37
You are preparing to add a 2-node AFF A250 system to an existing 4-node AFF A800 cluster with Cisco Nexus 3232C switches. The cluster switches are currently running the Cluster-HA RCF.
In this scenario, which two steps are required to install the AFF A250 system? (Choose two.)
A. Load the Storage RCF

B. Cable the AFF A250 nodes to the breakout ports on the switch.
C. Cable the AFF A250 nodes to the next free ports on the switch.
D. Load the Cluster-HA-Breakout RCF
Answer: B,D (LEAVE A REPLY)
AFF A250 systems use25GbE ports with breakout cablingfor cluster and HA traffic. When adding these nodes to switches running a standard Cluster-HA RCF, the switches must be updated to aCluster-HA-Breakout RCFto support breakout ports. The nodes must then be cabled to the breakout ports. Therefore,B and Dare correct.

NEW QUESTION: 38
You are setting up logical interfaces for client access. Which two types of LIFs are typically used to provide data access to NAS and SAN clients in ONTAP environments?
A. Data LIFs
B. Cluster LIFs
C. Management LIFs
D. Intercluster LIFs
Answer: (SHOW ANSWER)
Data LIFs provide client access, while intercluster LIFs support replication traffic. Cluster and management LIFs serve internal communication and administration, not client data access.

NEW QUESTION: 39
You are deploying an 8-node AFF A700 using BES-53248 switches. Ports higher than 16 are not online.
Which two steps must be taken? (Choose two.)
A. Reload the RCF file
B. Reload the switch
C. Reload the firmware
D. Re-enable each port
Answer: (SHOW ANSWER)

NEW QUESTION: 40
You want to add two new nodes to an existing 4-node cluster.
In this situation, what must be considered regarding the cluster interconnect?
A. Customer IP addresses must be provided.
B. Class A subnet settings must be used.
C. When a new node joins a cluster, IP addresses are generated automatically.
D. IP addresses are used from the data LIFs.
Answer: C (LEAVE A REPLY)

NEW QUESTION: 41
Your customer has a defective FAS8300 controller serving FC LUNs. In this scenario, which step is required after replacing the controller?
A. Call support to update the new node system ID.
B. Update the WWPNs on the FC LIFs.
C. Call support to update the new node's serial number.
D. Update the node licenses.
Answer: B (LEAVE A REPLY)

https://docs.netapp.com/us-en/ontap-systems/fas8300/controller-replace-overview.html

NEW QUESTION: 42
You are configuring networking for a new AFF A800 cluster that runs ONTAP 9.8 software. You notice that newly created interface groups and VLAN interfaces are placed into broadcast domains by the system.
In this scenario, what provides this function?
A. Interface failover groups
B. interface auto revert
C. automatic port placement
D. IPspaces
Answer: C (LEAVE A REPLY)
https://docs.netapp.com/us-en/ontap/networking/configure_vlans_over_physical_ports.html

NEW QUESTION: 43
When creating a new 3.8 TB SSD-based aggregate, what is the default RAID type used with ONTAP 9.8?
A. RAID 4
B. RAID-TEC
C. RAID 0
D. RAID DP
Answer: D (LEAVE A REPLY)
https://docs.netapp.com/us-en/ontap/disks-aggregates/default-raid-policies-aggregates- concept.html

NEW QUESTION: 44
You are deploying a cluster with four AFF A300 nodes and Cisco 3232C switches. When you arrive at the customer's site, you notice that there are multiple breakout cables and four Cisco 3232C switches.
In this scenario, which statement is true?
A. Your customer ordered a MetroCluster IP configuration.
B. Two switches are required for cluster and two for management.
C. Cisco best practices require four switches.
D. A 4-node cluster requires four switches.
Answer: (SHOW ANSWER)

NEW QUESTION: 45
Click the Exhibit button. You are attempting to add a new ONTAP 9.7 node to your ONTAP 9.8 NetApp cluster. After attempting to add the node, it fails as shown in the exhibit.
What are two nondisruptive ways to add the new node to your ONTAP cluster? (Choose two.)

```
ns0184-98::> cluster add-node-status

Node Name        Cluster IP          Status               Error Reason
---------------- ------------------- -------------------- -------------------------
ns0184-98-01     169.254.111.185     success
ns0184-98-02     169.254.124.154     success
ns0184-97        168.254.242.195     failure              Failed to start cluster
                                                          join on node:
                                                          169.254.242.195: Cluster
                                                          join operation cannot be
                                                          performed at this time:
                                                          Cannot join node to the
                                                          cluster because this is a
                                                          mixed-version cluster.
                                                          All nodes in the cluster
                                                          should be running the
                                                          same software version
                                                          before a node is added.
                                                          To attempt the join
                                                          anyway, use the
                                                          "-allow-mixed-version-
                                                          join" parameter. Resolve
                                                          the issue, then try the
                                                          command again.

3 entries were displayed.
```

A. Revert the cluster from ONTAP 9.8 to ONTAP 9.7.

B. Re-initialize all the nodes in the ONTAP cluster with ONTAP 9.7.

C. Upgrade the new node from ONTAP 9.7 to ONTAP 9.8.

D. Add the node using the -allow-mixed-version-parameter.
Answer: (SHOW ANSWER)
https://docs.netapp.com/us-en/ontap/upgrade/concept_mixed_version_requirements.html#requirements-for-mixed-version- ontap-clusters A mixed version ONTAP cluster consists of nodes running two different major ONTAP releases, such as ONTAP 9.8 and 9.12.1, or ONTAP 9.9.1 and 9.13.1. Mixed version ONTAP clusters are only supported by NetApp in specific scenarios.
The two most common scenarios are:
ONTAP software upgrades in large clusters
ONTAP software upgrades required when you plan to add new controllers to a cluster

NEW QUESTION: 46
You are setting up a peer relationship between two ONTAP clusters.
In this scenario, which two statements are true regarding authentication? (Choose two.)
A. Peering authentication status can be verified with the cluster peer show command.
B. Peering authentication can be configured using LDAP users and groups.
C. Peering authentication is required before enabling peering encryption.
D. Peering authentication can use an ONTAP generated passphrase.
Answer: A,D (LEAVE A REPLY)
Explanation (250-350 words):
Cluster peering authentication is a foundational ONTAP SAN concept that ensures secure trust between clusters before data replication can occur. Authentication is performed during the peering process and establishes mutual trust.
ONTAP supportspassphrase-based authentication, where a passphrase is either user-defined or automatically generated by ONTAP. This passphrase is exchanged between clusters to authenticate the peer relationship. LDAP is not used for cluster peering authentication.
Administrators can verify the authentication and status of cluster peering relationships using thecluster peer showcommand, which displays peer state, availability, and authentication status.
Peering encryption can be enabled independently and does not require authentication to be completed first, making option C incorrect.
Therefore, the correct answers areA and D.

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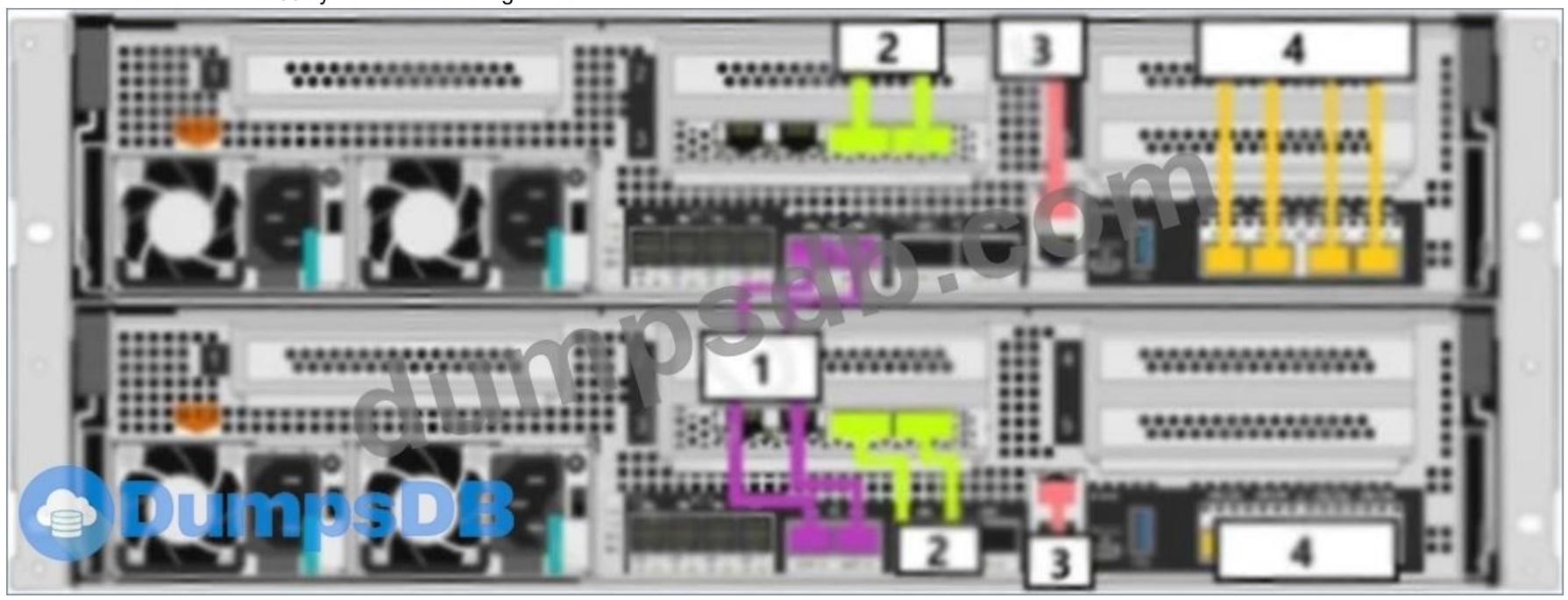
NEW QUESTION: 47
A storage administrator is trying to upgrade a pair of FAS2520s with internal SATA storage to a new 2-node FAS8300 cluster. The storage administrator wants to preserve the existing data.
In this scenario, which two capabilities are available to the storage administrator? (Choose two.)
A. the ability to create a 4-node MetroCluster across the four nodes
B. the ability to move the volumes from the old nodes to the new nodes
C. the ability to pull out the tray of internal disks of the FAS2520s and reseat the tray in the internal storage of the FAS8300s
D. the ability to convert the FAS2520s to disk shelves and attach them to the new nodes
Answer: (SHOW ANSWER)

NEW QUESTION: 48
You have just installed an ONTAP 9.8 cluster and created an interface group on each controller.
You have also created two VLANs on each interface group. In this scenario, what is the minimum number of broadcast domains that will be created to use the tagged VLANs?
A. 0
B. 1
C. 2
D. 3
Answer: C (LEAVE A REPLY)
https://kb.netapp.com/on-prem/ontap/da/NAS/NAS-KBs/VLAN_tagged_ports_are_in_different_broadcast_domains_with_auto_port_placement_in_O NTAP

NEW QUESTION: 49
You want to add an AFF A400 system to an existing 4-node cluster.



Referring to the exhibit, which number points to the ports that are used to cable the new nodes to the cluster interconnect switches?
A. 1
B. 2
C. 3
D. 4
Answer: B (LEAVE A REPLY)
When adding new nodes to an existing ONTAP cluster, proper cabling to the cluster interconnect switches is mandatory. The cluster interconnect network is a dedicated, private network used exclusively for internal cluster communication such as configuration synchronization, data movement, and quorum maintenance.
In AFF A400 systems, the cluster interconnect ports are fixed high-speed Ethernet ports that are clearly identified and reserved for cluster connectivity. These ports are typically 25GbE or 40GbE depending on configuration and are grouped together physically on the controller chassis.

Referring to the exhibit, the ports labeled with number 2 correspond to the cluster interconnect ports. These are the only ports that must be connected to the cluster interconnect switches when adding nodes to an existing cluster. ONTAP requires that each node have redundant connections to both cluster switches to maintain high availability and cluster quorum.
Ports labeled as other numbers in the exhibit represent different functions, such as management ports, data ports, or shelf connectivity ports, none of which are valid for cluster interconnect cabling.
NetApp installation procedures emphasize that incorrectly cabling non-cluster ports to cluster switches can prevent nodes from joining the cluster or cause cluster instability. Therefore, identifying and using the correct cluster interconnect ports is a critical installation step.
As shown in the exhibit, number 2 clearly identifies the correct ports used to cable the new AFF A400 nodes into the existing cluster interconnect infrastructure.

NEW QUESTION: 50
After installing an AFF A700 with ADPv2, one shelf was powered off and disks were not assigned.
Which two resources will help you find a solution? (Choose two.)
A. NetApp Documentation Center
B. Active IQ Config Advisor
C. NetApp Knowledge Base
D. Active IQ Digital Advisor
Answer: B,C (LEAVE A REPLY)

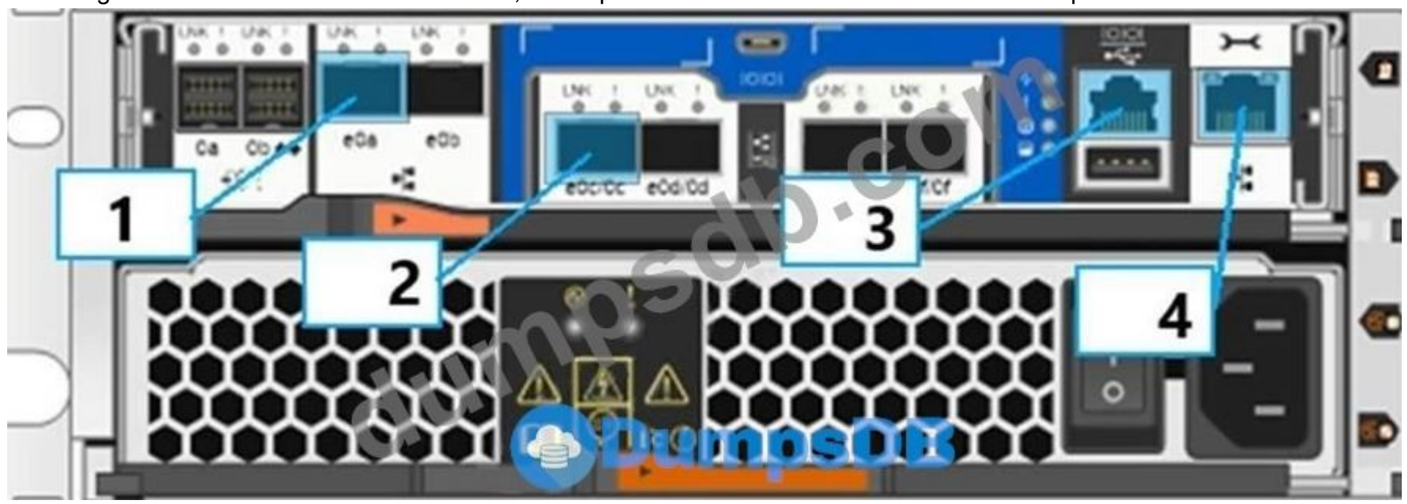
NEW QUESTION: 51
You were asked to install a FAS9000 with two quad-port SAS PCI cards installed in slot 9 and slot 1.
In this scenario, which ports are used for the second stack?
A. 9a/1d
B. 9c/1a
C. 9b/1b
D. 9a/1a
Answer: B (LEAVE A REPLY)
NetApp SAS cabling rules define port sequencing. The second stack uses9c and 1a, makingBcorrect.

NEW QUESTION: 52
A customer wants to make sure that they are notified by e-mail when the ONTAP cluster sends an AutoSupport message due to a hardware or a software error. Which two AutoSupport parameters should you set manually to satisfy this requirement? (Choose two.)
A. support
B. to
C. transport
D. mailhost
Answer: B,D (LEAVE A REPLY)
https://docs.netapp.com/us-en/ontap-sm-classic/online-help-96-97/concept_autosupport.html

NEW QUESTION: 53
You installed two separate clusters in an isolated data center without outbound network access.
The customer wants to troubleshoot issues locally and also create custom Excel reports for capacity utilization from a local server.
In this scenario, which NetApp tool would satisfy this requirement?
A. Active IQ Digital Advisor

B. Active IQ Unified Manager
C. Cloud Insights
D. ONTAP System Manager
Answer: B (LEAVE A REPLY)
Reference: https://www.netapp.com/media/17229-tr4015.pdf

NEW QUESTION: 54
Referring to the numbers shown in the exhibit, which port on an AFF A220 controller is used as porte0Min ONTAP?



A. 4
B. 3
C. 2
D. 1
Answer: D (LEAVE A REPLY)
On AFF A220 systems, porte0Mis the dedicatedmanagement Ethernet portused for node management. This port is physically separate from data and cluster ports and is typically a 1GbE RJ-45 interface. In the exhibit, number1points to this dedicated management port.
ONTAP assigns the logical namee0Mautomatically to this physical interface, and it is reserved exclusively for management traffic. Administrators use e0M to configure node management LIFs, access the Service Processor (SP/BMC), and perform out-of-band management tasks.
Other numbered ports in the exhibit represent data, cluster, or console-related interfaces and cannot be used as e0M. Because ONTAP maps e0M to a fixed physical location on AFF A220 controllers, the correct answer is1
.

NEW QUESTION: 55
You are installing a new AFF All SAN Array A700 HA pair.

```
cluster1::> network interface show
            Logical    Status     Network            Current       Current Is
Vserver     Interface  Admin/Oper Address/Mask       Node          Port    Home
----------- ---------- ---------- ------------------ ------------- ------- ----
Cluster
            cluster1-01_clus1
                       up/up    169.254.145.151/16 cluster1-01   e0a     true
            cluster1-01_clus2
                       up/up    169.254.58.159/16  cluster1-01   e0b     true
            cluster1-02_clus1
                       up/up    169.254.110.0/16   cluster1-02   e0a     true
            cluster1-02_clus2
                       up/up    169.254.212.198/16 cluster1-02   e0b     true
cluster1
            cluster1-01_mgmt1
                       up/up    192.168.0.111/24   cluster1-01   e0c     true
            cluster1-02_mgmt1
                       up/up    192.168.0.112/24   cluster1-02   e0c     true
            cluster_mgmt up/up    192.168.0.101/24   cluster1-01   e0c     true
```

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Referring to the exhibit, which IP address would have been used to join node 02 to the cluster during setup?

A. 192.168.0.112

B. 169.254.212.198

C. 169.254.145.151

D. 192.168.0.101

Answer: B (LEAVE A REPLY)

During cluster setup, nodes usecluster interconnect LIFs, which are automatically assignedlink-local IP addresses in the 169.254.x.x range. Management IP addresses (192.168.x.x) are not used for node join operations.

The address169.254.212.198corresponds to node02's cluster LIF and would therefore be used to join the cluster.

NEW QUESTION: 56

Your customer asks you to describe the Storage Interconnect network function. In this scenario, which statement is true?

A. The Storage Interconnect provides client protocol access.

B. The Storage Interconnect provides access for HA traffic.

C. The Storage Interconnect provides access for cluster traffic.

D. The Storage Interconnect provides NVMe access to disk shelves.

Answer: C (LEAVE A REPLY)

https://storagearea.network/san-interconnect-components/

NEW QUESTION: 57
You are preparing to physically install a new AFF A400 cluster into a customer's racks. All equipment has been delivered to the customer's site. Which three tools do you need to complete this installation? (Choose three.)
A. additional network cables
B. Phillips #2 screwdriver
C. laptop computer
D. slide rail kit
E. cable management tray
Answer: A,B,C (LEAVE A REPLY)
https://docs.netapp.com/us-en/ontap-systems/media/PDF/215-14510_2020_09_en- us_AFFA400_ISI.pdf

NEW QUESTION: 58
You are installing a new six-node ONTAP 9.8 cluster. You have completed the initial configuration of the cluster interconnect switches and the ONTAP cluster. In this scenario, which feature should you enable?
A. cluster switch logging
B. cluster switch health monitor
C. IPv6 on all cluster ports
D. data center bridging protocol
Answer: (SHOW ANSWER)
Reference: https://docs.netapp.com/us-en/ontap/pdfs/sidebar/Configure_network_ports__cluster_administrators_only_.pdf

NEW QUESTION: 59
You want to connect a DS224C shelf with 3.8 TB NetApp Storage Encryption (NSE) SSDs to an AFF A300 HA pair that already has two DS224C shelves with 3.8 TB SSDs without NSE in one stack.
In this scenario, how would you add the shelf?
A. Add the shelf to the existing stack.
B. Create a new stack on the HA pair to add the shelf.
C. Connect the shelf to an HA pair with NSE drives.
D. License NSE and add the shelf to this HA pair as a new stack.
Answer: (SHOW ANSWER)
NetApp installation rules prohibit mixingNSE and non-NSE drives within the same stack. While the AFF A300 supports both encrypted and non-encrypted drives, they must be physically separated into different stacks.
Licensing NSE alone does not allow mixing encrypted and unencrypted drives in the same stack. The correct approach is tocreate a new stackspecifically for the NSE drives.
Therefore, the correct answer isB.

NEW QUESTION: 60
You want to use the NetAppDocs tool to collect information on a newly configured ONTAP 9.8 cluster and generate a Word document with cluster details.
Which two data sources would you use to collect the necessary data? (Choose two.)
A. Active IQ Digital Advisor
B. ONTAP Cluster
C. AutoSupport packages
D. Active IQ Unified Manager

Answer: B,C (LEAVE A REPLY)

NEW QUESTION: 61
Which three limits must you verify before you begin to expand an ONTAP cluster? (Choose three.)
A. Verify that you are not exceeding cluster limits after the cluster is expanded.
B. Verify that you are not exceeding SAN limits after the cluster is expanded.
C. Verify that you are not exceeding the maximum RAW cluster capacity.
D. Verify that you are not exceeding NAS limits after the cluster is expanded.
E. Verify that the new controllers can be mixed with the existing systems in the cluster.
Answer: A,B,E (LEAVE A REPLY)
https://docs.netapp.com/us-en/ontap-sm-classic/expansion/

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NEW QUESTION: 62
After installation of a new ONTAP cluster, you experience a problem. You successfully create a support case on the NetApp Support site. The customer asks you how to view the status of the case.



Referring to the exhibit, which two steps would allow the customer to accomplish this task? (Choose two.)
A. Openhttps://support.netapp.com, using the partner credentials.
B. Openhttps://support.netapp.com, using the customer credentials.
C. Open My Cases, and select the 41747189 case number.
D. Open My Cases, and select Create a Case.
Answer: B,C (LEAVE A REPLY)
After a support case has been created, NetApp's support workflow requires thatcase visibility and status trackingbe performed through the NetApp Support site using thecustomer's credentials, not partner credentials. Customer credentials ensure proper access to systems registered under the customer's support account, including entitlement visibility, serial numbers, and case ownership. Partner credentials may not have permission to view customer-owned cases unless explicitly granted.
Once logged in, theMy Casessection of the support site provides a centralized dashboard showing all active and historical cases associated with the customer's company. From this view, cases are listed with details such as case number, product, symptom, status, and last updated timestamp. Selecting the specific case number (in this scenario,41747189) opens the detailed case view, where the customer can monitor progress, read engineer updates, upload logs, and add comments.
The option "Create a Case" is used only when opening anewcase and does not allow viewing the status of an existing case. Therefore, it does not satisfy the requirement. Using partner credentials is also incorrect because case tracking is intended to be performed by the customer organization that owns the system and support entitlement.
Thus, the correct steps are tolog in using customer credentialsandopen My Cases and select the existing case number.

NEW QUESTION: 63
You are a NetApp Professional Services engineer. You have completed an ONTAP cluster installation and need to collect configuration information to enable creation of a Service Event Report (SER).
Which tool would you use?
A. Active IQ scheduled reports
B. NetAppDocs output report
C. ONTAP System Manager
D. Active IQ Config Advisor worksheet
Answer: B (LEAVE A REPLY)
Service Event Reports require standardized installation and configuration data.NetAppDocsgenerates structured output reports specifically designed for SER creation, including hardware, cabling, and configuration details. Other tools do not produce SER-formatted documentation.

NEW QUESTION: 64
A customer is migrating data from a FAS8020 (ONTAP 9.5) to an AFF A250 MetroCluster IP system.
Which two migration methods are supported? (Choose two.)
A. Configure SnapMirror between the systems
B. Controller swap
C. Use a host-based copy migration method
D. Create a 4-node cluster and use vol move
Answer: A,C (LEAVE A REPLY)

NEW QUESTION: 65
On which type of network interfaces are the cluster interconnect LIFs created?
A. on an FC or FCoE port
B. on an interface group
C. on a UTA port shared with other LIFs

D. on a physical port
Answer: (SHOW ANSWER)
The Intercluster network uses logical interfaces, or LIFs, that correspond to IP addresses and represent network access points to a node. The Intercluster network uses only Intercluster LIFs.
Intercluster LIFs are assigned to ports as part of the cluster peer configuration process.
https://kb.netapp.com/onprem/ontap/os/What_is_an_Intercluster_network

NEW QUESTION: 66
After moving a new AFF A400 cluster into production, the administrator notices error events in ONTAP System Manager regarding SAS HA issues.
In this scenario, which NetApp tool would have identified these errors after the installation process?
A. Cloud Manager
B. ONTAP System Manager
C. Active IQ Config Advisor
D. Active IQ Unified Manager
Answer: C (LEAVE A REPLY)
Within the ONTAP SAN implementation testing and troubleshooting domain, NetApp places strong emphasis onpost-installation validation tools. One of the primary tools used immediately after installation isActive IQ Config Advisor.
Active IQ Config Advisor is designed specifically to validatehardware configuration, cabling, HA connectivity, and SAS topology. During post-installation checks, Config Advisor scans the system for configuration errors, miswired cables, unsupported connections, and SAS HA path issues. These checks are a mandatory part of NetApp installation best practices.
SAS HA issues, such as incorrect shelf cabling, missing redundant paths, or improper HA connections, are precisely the types of errors Config Advisor is designed to detect. It performs rule-based validation against NetApp-supported configurations and flags deviations before they result in operational problems.
By contrast,ONTAP System Managerdisplays events and alerts after the system is already operational, but it is not a post-installation validation tool.Cloud Manageris used for cloud-based storage management and is not applicable to on-premises AFF hardware validation.Active IQ Unified Managerfocuses on long-term monitoring, performance analytics, and capacity planning rather than installation-time hardware verification.
Because the errors were related toSAS HA issuesthat could have been detected immediately after installation, the correct tool isActive IQ Config Advisor.
Therefore, the correct answer isC.

NEW QUESTION: 67
Node 3 has taken over Node 4. You are attempting to access Node 4 on its management interface but cannot do it.
In this scenario, how would you access Node 4's management interface?
A. You have not waited long enough for the failover timeout.
B. Use SSH to a cluster interconnect switch.
C. You must use the Service Processor; node management LIFs do not fall over between nodes.
D. Connect to Node 3 and use the HA interconnect.
Answer: C (LEAVE A REPLY)

NEW QUESTION: 68
Your customer wants to know more about the network configuration within the cluster.
In this scenario, which statement is correct about a LIF?
A. A LIF is a port that provides physical connections.
B. A LIF is created within a broadcast domain and contains a pool of IP addresses.
C. A LIF is an IP address or a WWPN that is associated with a port.

D. A LIF separates network domains to access cluster data.
Answer: C (LEAVE A REPLY)
In ONTAP SAN concepts, aLogical Interface (LIF)represents a logical network access point used by clients, hosts, or internal cluster services to communicate with storage. A LIF is not a physical port; rather, it is an abstraction that allows ONTAP to provide network resiliency and flexibility.
A LIF can be defined as either anIP address(used for NAS, management, and intercluster traffic) or aWorld Wide Port Name (WWPN)(used for SAN protocols such as FC and FCoE). Each LIF is associated with a physical port but can fail over to other ports based on defined policies, ensuring continuous access during failures or maintenance.
Broadcast domains define Layer 2 network groupings for ports, but they do not contain pools of IP addresses.
IP address pools are defined insubnets, not broadcast domains. Physical ports provide connectivity, but they do not represent LIFs themselves. Separating network domains is handled byIPspaces, not LIFs.
Therefore, the correct description of a LIF is that it isan IP address or WWPN associated with a port, making optionCcorrect.

NEW QUESTION: 69
During installation, which two configuration steps are necessary to ensure proper cluster management and remote administration access?
A. Configure cluster management LIF
B. Assign node management IP addresses
C. Create RAID groups
D. Configure SnapVault policies
Answer: A,B (LEAVE A REPLY)
Cluster and node management LIFs enable administrative access. RAID groups and SnapVault policies relate to storage and data protection, not management connectivity.

NEW QUESTION: 70
A customer wants to test the SnapMirror feature in their production system but has no license for it. What do you tell the customer in this situation?
A. You must order a fully licensed demo cluster from NetApp sales.
B. You must contact your NetApp sales team to obtain a demo license.
C. You can download a SnapMirror demo license from mysupport.netapp.com.
D. You cannot test additional features.
Answer: B (LEAVE A REPLY)
https://docs.netapp.com/us-en/ontap/data-protection/snapmirror-licensing-concept.html

NEW QUESTION: 71
Exhibit.

Question | Exhibit

Onboard Ports for FAS2552 8.3 Clustered Data ONTAP *(Click row to view supported cabl*

Port Address ▲	Description	Max Data Rate
0a	Serial-Attached SCSI	6 Gbps
0b	Serial-Attached SCSI	6 Gbps
e0a	Ethernet	1 Gbps
e0b	Ethernet	1 Gbps
e0c/0c	Unified Target Adapter 2	16 Gbps
e0d/0d	Unified Target Adapter 2	16 Gbps

Cable Compatibility for Port 0a

SAS 3 /6 Gbps (Cu) | SAS 3 /6 Gbps (Op)

Mktg Part No	Mfg Part No	Images	Length	End 1	End 2
⊟ Copper Cables					
X6557-R6	112-00176	-	0.5m	QSFP	QSFP
X6594-R6	112-00256	-	1m	QSFP	QSFP
X6558-R6	112-00177	-	2m	QSFP	QSFP
X6595-R6	112-00255	-	3m	QSFP	QSFP
X6559-R6	112-00178	-	5m	QSFP	QSFP

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You are installing a FAS2254 and a DS2246 disk shelf at a customer's site. The controller and disk shelf must be racked in separate rows in the data center due to available space.
The customer wants you to use two of the 20-meter copper SAS cables to make connections. Referring to the exhibit, which statement is correct?

A. You will need to contact sales to obtain a wireless adapter.

B. You will need to contact sales to obtain the 20 meter copper cables.

C. The controller and disk shelf must be closer together if copper cables are to be used.

D. You will need to contact sales to obtain an Ethernet adapter.

Answer: (SHOW ANSWER)

This question tests installation cabling constraints and supported cabling media for SAS connectivity. The key issue is distance: the customer wants to use20-meter copper SAS cablesbetween a controller and a shelf that are installed in separate rows.
NetApp hardware cabling guidance indicates that when long distance SAS connectivity is required, the supported approach is to useSAS optical cabling(for applicable platforms and shelf/IOM combinations). The ONTAP hardware systems documentation describes "mini-SAS HD SAS optical cable rules," noting that optical AOC SAS cables are available in lengths up to50 metersfor controller-to-stack and shelf-to-shelf connections in supported configurations. This highlights a critical installation principle: long SAS runs are addressed withoptical, not copper.
The documentation also establishes that SAS cabling within a stack must be consistent (all copper or all optical) and that mixed approaches have specific constraints. While the excerpt emphasizes optical rules (because optical is the mechanism for long distance), it implicitly reinforces that copper has practical distance limitations and is not the long-distance solution.
Therefore, if the customer insists on copper SAS, the correct guidance is thatthe controller and disk shelf must be closer togetherto remain within supported copper SAS distance limits and to ensure signal integrity and supported operation. Option B is incorrect because simply "obtaining" 20-meter copper SAS cables does not make the configuration supported. Option D is incorrect because Ethernet adapters do not replace SAS for shelf connectivity. Option A is nonsensical in this context because SAS shelf connectivity cannot be replaced by a "wireless adapter" as a supported installation practice.
Thus, the correct answer isC: if copper cables are to be used, the devices must be closer together; otherwise the supported solution is to use a supported SAS optical approach.

NEW QUESTION: 72
You installed a new FAS8300 with six disk shelves at the customer site. In this scenario, what would you use to verify the correct cabling?
A. Hardware Universe (HWU)
B. Interoperability Matrix Tool (IMT)
C. Active IQ Config Advisor
D. Active IQ Unified Manager
Answer: C (LEAVE A REPLY)
https://docs.netapp.com/us-en/ontap-systems/fas8300/controller-replace-recable-reassign- disks.html

NEW QUESTION: 73
After adding two nodes to an FC-enabled cluster, the storage administrator wants to ensure that existing LUNs can use paths on the new nodes.
What is required to complete this task?
A. Use the storage port rescan command.
B. Use the lun mapping add-reporting-nodes command.
C. Use the lun bind create command.
D. Rescan the bus on the hosts by using the rescan-scsi-bus.sh script.
Answer: B (LEAVE A REPLY)
This question checks how ONTAP exposes LUN paths across nodes after cluster expansion. ONTAP SAN pathing is governed bySelective LUN Map (SLM)behavior. ONTAP documentation states that SLM reduces host-to-LUN paths by making a LUN accessible only through paths on the node owning the LUN and its HA partner (unless configured otherwise). That means that after you add nodes, hosts will not automatically gain paths through the new nodes for existing LUNs unless you intentionally adjust LUN reporting.
ONTAP provides the lun mapping add-reporting-nodes command for exactly this purpose: it is used before or after data mobility events that modify the owning node of the LUN, to add optimized nodes (and therefore paths) to the LUN mapping's reporting-nodes list. In other words, if the administrator wants existing LUNs to
"use paths on the new nodes," the ONTAP-side requirement is to add those nodes (and their partners, as applicable) as reporting nodes for the relevant LUN mappings or volumes/aggregates that host those LUNs.
Options A and D (port/host rescans) arehost-side discovery actions. They can only discover paths that ONTAP is already presenting. Without adding reporting nodes, ONTAP may not advertise those LUNs through the new nodes, so host rescans alone do not satisfy the requirement. Option C ("lun bind create") is not the appropriate ONTAP mechanism for enabling additional node paths for existing LUNs and is not the documented workflow for SLM path expansion.
Therefore, the required step isB. Use the lun mapping add-reporting-nodes command.

NEW QUESTION: 74
You want to disconnect a DS224C shelf with 3.8 TB NetApp Storage Encryption (NSE) SSDs to an AFF A300 HA pair with two DS224C shelves with 3.8 TB SSDs without NSE in one stack.
In this scenario, how would you add the shelf?
A. Add the shelf to the existing stack.
B. Create a new stack on the HA pair to add the shelf.
C. Connect the shelf to an HA pair with NSE drives.
D. License NSE and add the shelf to this HA pair as a new stack.
Answer: C (LEAVE A REPLY)
NSE drives cannot mix with non-NSE drives in HA pair.
https://community.netapp.com/t5/ONTAP-Hardware/NSE/td-p/6860

NEW QUESTION: 75
After completing an installation, the customer wants to know how they can manually open a new technical case with NetApp Global Support.
What are three ways to accomplish this task? (Choose three.)
A. Use the support site.
B. Use the NetApp Field Portal.
C. Use the mobile app.
D. Use a telephone.
E. Use AutoSupport.
Answer: (SHOW ANSWER)
The question asks formanualmethods a customer can use to open anew technical support casewith NetApp Global Support. In NetApp operational/support concepts, there are multiple engagement paths, but only some are "manual case creation" mechanisms.
A web-basedsupport siteworkflow is a standard manual case-creation path for customers. In NetApp support processes (including guidance in NetApp-managed support tooling for storage services), web ticketing/case creation is explicitly described as a supported way to open a case.
A second supported manual method is bytelephone("Call Us" / phone support), which is also described as a direct support option alongside web case creation. This matches optionD.
A third manual method commonly provided for customers is amobile applicationthat supports support engagement (including case workflows). In contrast,AutoSupportis primarily an automated telemetry /notification mechanism; while AutoSupport can triggerautomatedcase creation under certain conditions, it is not a customer-driven "manual open a new case" method. ONTAP documentation even discusses suppressing or resuming AutoSupport case generation, reinforcing that AutoSupport case behavior is automated and policy-driven rather than a manual "open a case" action. Thus optionEdoes not meet the "manually open" requirement.
OptionB (NetApp Field Portal)is generally a field/partner/internal operational portal used by NetApp personnel and partners rather than a standard customer manual case creation channel. From an installation knowledge-transfer perspective, the customer-facing paths that satisfy the requirement are the support website and phone, and the mobile app where available for case workflows.
Therefore, the three correct choices areA, C, and D.

NEW QUESTION: 76
You are configuring Fibre Channel SAN connectivity for a database workload. Which two configurations are necessary to ensure proper FC communication between hosts and ONTAP storage systems?
A. Configure FC target adapters
B. Create zoning on FC switches
C. Enable CIFS shares
D. Configure DNS services
Answer: A,B (LEAVE A REPLY)
FC target adapters allow ONTAP to present storage, and zoning controls communication paths between hosts and storage. CIFS and DNS are unrelated to FC SAN connectivity requirements.

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NEW QUESTION: 77
A storage administrator needs to monitor cluster health and performance. Which two ONTAP tools or features provide insights into system status and help identify potential issues?
A. Active IQ Unified Manager
B. ONTAP CLI system health commands
C. CIFS shares
D. LUN mapping
Answer: A,B (LEAVE A REPLY)
Active IQ Unified Manager and CLI health commands provide monitoring and diagnostics. CIFS shares and LUN mapping relate to data access, not system monitoring.

NEW QUESTION: 78
A customer is creating a new SVM to host iSCSI LUNs for a Hyper-V cluster. You need to successfully map the new LUNs and make them visible to the Hyper-V cluster.
In this scenario, which host information is required to accomplish this task?
A. IQNs
B. WWNNs
C. WWPNs
D. host names
Answer: A (LEAVE A REPLY)
iSCSI usesIQNs (iSCSI Qualified Names)to identify initiators. When mapping LUNs for iSCSI access, ONTAP requires the initiator IQNs to create igroups and establish access control. WWNNs and WWPNs are used for Fibre Channel, not iSCSI.
Therefore, IQNs are required.

NEW QUESTION: 79
Click the Exhibit button. Referring to the exhibit, which RCF would provide the correct port usage configuration?

```
* Port Usage:
* Ports   1-8: 40/100GbE Intra-Cluster/HA Ports, int e1/1-8
* Port      9: 10GbE breakout Intra-Cluster Ports, int e1/9/1-4
* Ports    10: 25GbE breakout Intra-Cluster/HA Ports, int e1/10/1-4
* Ports 11-22: First HA-pair Controller and Shelf Storage Ports, int e1/11-22
* Ports 23-34: Second HA-pair Controller and Shelf Storage Ports, int e1/23-34
* Ports 35-36: Intra-Cluster ISL Ports, int e1/35-36
```

A. Cluster
B. Cluster-HA-Storage
C. Storage

D. Cluster-HA-Breakout
Answer: (SHOW ANSWER)
https://docs.netapp.com/us-en/ontap-systems-switches/switch-cisco-92300/install-the-rcf-file.html

NEW QUESTION: 80
A customer requires encryption at rest on every node root volume. In this scenario, which two encryption solutions will fulfill this requirement? (Choose two.)
A. NVE
B. IPsec
C. NAE
D. NSE
Answer: A,D (LEAVE A REPLY)
https://docs.netapp.com/us-en/ontap/encryption-at-rest/enable-root-volume-encryption-task.html

NEW QUESTION: 81
A company wants to ensure secure administrative access to ONTAP systems. Which two best practices should be implemented during installation to enhance system security?
A. Enable HTTPS for management access
B. Configure role-based access control (RBAC)
C. Disable RAID protection
D. Remove cluster LIFs
Answer: A,B (LEAVE A REPLY)
HTTPS secures management traffic, and RBAC restricts user permissions. Disabling RAID reduces protection, and removing cluster LIFs would break cluster communication.

NEW QUESTION: 82
You are expanding an existing cluster that uses BES-53248 cluster interconnect switches. You connected the new controllers to ports 0/17 through 0/20. However, you are unable to join the new nodes to the cluster.
Which action must be taken to solve the problem?
A. Install the license file.
B. Install the CSHM configuration file.
C. Install the reference configuration file.
D. Reboot the controllers.
Answer: A (LEAVE A REPLY)
https://docs.netapp.com/us-en/ontap-systems-switches/switch-bes-53248/configure-reqs- bes53248.html#configuration-requirements

NEW QUESTION: 83
A customer needs to ensure data protection across clusters. Which two ONTAP features are used to replicate data and provide disaster recovery capabilities between geographically separated systems?
A. SnapMirror
B. SnapVault
C. Deduplication
D. Thin provisioning
Answer: A,B (LEAVE A REPLY)
SnapMirror provides replication for disaster recovery, while SnapVault is used for backup and archiving. Deduplication and thin provisioning optimize storage efficiency but do not provide replication capabilities.

NEW QUESTION: 84

You have a 4-node ONTAP 9.8 cluster with a FAS8700 HA pair that serves iSCSI LUNs. You are adding a new AFF A250 HA pair to the cluster with new iSCSI SAN LIFs. You need to allow non- optimized data paths from the AFF A250 nodes to the existing LUNs on the FAS8700 nodes. In this scenario, which two ONTAP configuration settings must you verify? (Choose two.)

A. port sets

B. switch zoning

C. reporting nodes

D. failover groups

Answer: A,C (LEAVE A REPLY)

Failover groups is for NAS protocols, SAN works with MPIO

https://community.netapp.com/t5/ONTAP-Discussions/iSCSI-LIF-migrate/td-p/47433 And B Switch Zoning it's for FC so it's incorrect in this case.

NEW QUESTION: 85

You configured AutoSupport and are trying to send a full AutoSupport message to NetApp. You use the autosupport history show command and see the output shown in the exhibit.

```
cluster::> system node autosupport history show -node node1

             Seq                                    Attempt
Node         Num     Destination          Status      Count
-------------  -------  --------------------  -----------  ----------
node1        1
                     smtp                  re-queued   13
                     http                  ignored     15
                     https                 failed      15
```

The customer confirms that the AutoSupport settings are correct.

Which two actions will solve this issue? (Choose two.)

A. The customer needs to enable AutoSupport for both nodes.

B. The customer needs to exclude the two nodes from the attachment-size limitation.

C. The customer needs to change the transport protocol to HTTPS.

D. The customer needs to white-list the two nodes on their mail server.

Answer: (SHOW ANSWER)

The AutoSupport history output shows multiple transport attempts usingSMTP, HTTP, and HTTPS, with SMTP being re-queued, HTTP ignored, and HTTPS failed. This indicates that AutoSupport is enabled and functioning at the configuration level, but the delivery mechanism is being blocked or restricted by the customer's network infrastructure.

SMTP failures commonly occur when mail servers block large attachments or require explicit whitelisting of sending systems. Since full AutoSupport messages include large log bundles, mail servers often reject or delay these messages unless the sending nodes are explicitly allowed. Therefore,whitelisting the nodes on the mail serverdirectly addresses the SMTP delivery issue.

Additionally, NetApp installation best practices recommendHTTPS as the preferred AutoSupport transport protocolbecause it bypasses mail server limitations and is more reliable for large payloads.

Switching the transport protocol to HTTPS avoids SMTP attachment-size restrictions entirely and ensures successful delivery when outbound HTTPS access is allowed.

Enabling AutoSupport on both nodes is not relevant because the output confirms AutoSupport is already active. Excluding nodes from attachment-size limits is not a supported ONTAP action.

Thus, the two correct actions are tochange the transport protocol to HTTPSandwhitelist the nodes on the mail server.

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