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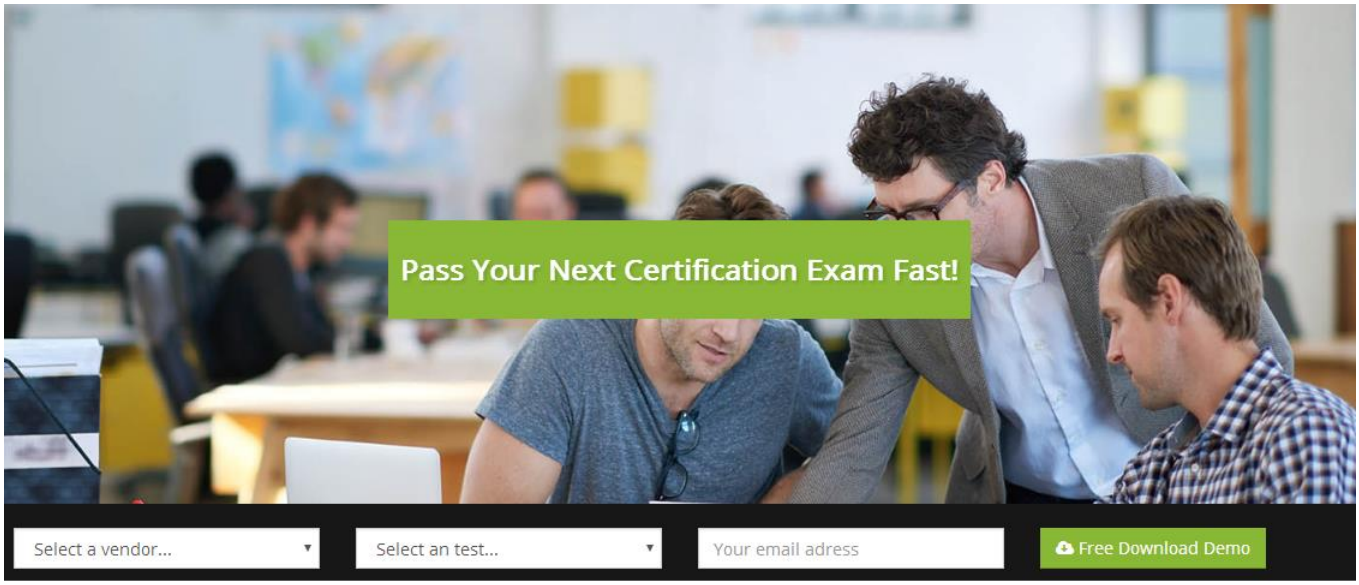

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Exam : **D-VXR-DS-00**

Title : Dell VxRail Design

Vendor : EMC

Version : DEMO

NO.1 Which document from the VxRail Configuration Portal can be used to validate site readiness before a deployment?
A. Getting Started Guide
B. Pre-deployment Checklist
C. Deployment Planning Guide
D. Configuration Report
Answer: B
Explanation:
The Pre-deployment Checklist from the VxRail Configuration Portal is used to validate site readiness by ensuring all necessary prerequisites and environment conditions are met before deployment.

NO.2 What are two traffic types that must be configured during all VxRail cluster deployments? (Choose two.)
A. vMotion
B. Guest VM
C. Management
D. vSAN
Answer: C D
Explanation:
Management and vSAN traffic types must always be configured during VxRail cluster deployments to ensure proper cluster operation and storage communication.

NO.3 Which protocol must be configured on the ToR switch to allow automated discovery of a VxRail node?
A. Loudmouth
B. VxLAN
C. IPv4 multicast
D. LLDP
E. IPv6 multicast
Answer: D
Explanation:
LLDP (Link Layer Discovery Protocol) must be configured on the ToR switch to enable automated discovery of VxRail nodes during deployment.

NO.4 What are three supported VxRail Stretched Cluster configuration? (Choose three.)
A. All flash on Site A and hybrid on Site B
B. L2 and L3 site-to-site connectivity
C. vSAN ESA on Site A and vSAN OSA on Site B
D. Two nodes and a witness
E. Four nodes and a witness
Answer: B D E
Explanation:
Both Layer 2 (L2) and Layer 3 (L3) site-to-site connectivity are supported for VxRail stretched clusters. Configurations with two nodes plus a witness and four nodes plus a witness are supported cluster

sizes for stretched clusters, providing fault tolerance across sites.

NO.5 A VxRail architect is designing a 6-node VxRail Cluster for critical applications.
Which two combinations of fault tolerance policies ensure availability of cluster if there is a single data center failure? (Choose two.)
A. Site disaster tolerance=None - standard cluster
Failures to tolerate=1 failure - RAID 5 (Erasure Coding)
B. Site disaster tolerance=Site mirroring - stretched cluster
Failures to tolerate=No data redundancy
C. Site disaster tolerance=Site mirroring - stretched cluster
Failures to tolerate=2 failures - RAID 1 (Mirroring)
D. Site disaster tolerance=Site mirroring - stretched cluster
Failures to tolerate=2 failures - RAID 6 (Erasure Coding)
E. Site disaster tolerance=Site mirroring - stretched cluster
Failures to tolerate=1 failure - RAID 1 (Mirroring)
Answer: C E
Explanation:
Site disaster tolerance set to Site Mirroring (stretched cluster) combined with RAID 1 mirroring provides fault tolerance against site failure with the ability to tolerate 2 failures or 1 failure respectively, ensuring data availability during a single data center outage.

NO.6 When planning for a VxRail 2-node cluster, which two separate networks are required to be configured for vSAN witness virtual appliance? (Choose two.)
A. Management network
B. VxRail network
C. vCenter network
D. vSAN witness network
Answer: A D
Explanation:
The vSAN witness virtual appliance requires connectivity to the Management network for administrative access and the dedicated vSAN witness network to handle witness traffic for cluster quorum.

NO.7 When designing vSAN storage policies, what is the backend I/O performance impact when selecting1 failure
- RAID 5 (Erasure Coding)?
A. Every fronted write generates 7 backend I/Os
B. Every fronted write generates 3 backend I/Os
C. Every fronted write generates 4 backend I/Os
D. Every fronted write generates 0 backend I/Os
Answer: D
Explanation:
Selecting 1 failure tolerance with RAID 5 (Erasure Coding) causes each front-end write to generate 4 backend I/Os due to the parity calculations and data striping involved, impacting storage

performance accordingly.

NO.8 What are two requirements for automatic node discovery? (Choose two.)
A. The switches must be configured to allow IPv6 multicast traffic.
B. The internal management VLAN must be configured on the switches for the nodes.
C. The switches must be configured to allow IPv4 multicast traffic.
D. The management IP addresses must be set on the nodes.
Answer: B C
Explanation:
Automatic node discovery requires the internal management VLAN to be properly configured on the switches for node communication, and the switches must allow IPv4 multicast traffic to enable discovery protocols to function correctly.

NO.9 What are two valid node configurations for a vSAN ESA cluster? (Choose two.)
A. P670N with 6 NVMe SSDs and 10 GbE networking
B. VP-760 with 6 SAS SSDs and 25 GbE networking
C. VD-4510 with 3 NVMe SSDs and 25 GbE networking
D. E660N with 3 NVMe SSDs and 10 GbE networking
Answer: C D
Explanation:
VD-4510 with 3 NVMe SSDs and 25 GbE networking is a valid ESA node configuration optimized for performance with NVMe storage and higher bandwidth.
E660N with 3 NVMe SSDs and 10 GbE networking also qualifies as a valid ESA node configuration balancing NVMe storage with 10 GbE network connectivity.

NO.10 A VxRail architect is planning to deploy a new cluster. The servers equipped with two network cards with different uplink speeds between the two cards.
What vSphere Distributed Switch design should be used to ensure the highest performance and security?
A. Guest VM traffic assigned only to a single top of rack switch
B. Resource-intense networks like vSAN assigned to higher speed uplinks
C. A predefined network profile with 4x10 Gb or 4x25 Gb interface speed
D. Maximum Transmission Unit set to 9000
E. Two new vSphere Distributed Switches
Answer: B
Explanation:
Assigning resource-intensive networks like vSAN to the higher speed uplinks ensures that critical traffic benefits from the best available network performance, optimizing throughput and maintaining security by separating traffic types appropriately.

NO.11 Which component is always present on a VxRail cluster?
A. vSAN
B. vCenter Server
C. VxRail Manager

Answer: C
Explanation:
VxRail Manager is always present on a VxRail cluster as the core management component that handles cluster lifecycle, updates, and monitoring.

NO.12 When using an existing customer-managed vCenter what setting need to be preconfigured before deployment?
A. VM Folder
B. Datacenter Object
C. Cluster Object
D. Storage Folder
Answer: C
Explanation:
When deploying VxRail with an existing customer-managed vCenter, the Cluster Object must be preconfigured to provide a container for the new VxRail nodes and resources during deployment.