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<https://www.lead2pass.com/2v0-621d.html> QUESTION 51 Which two features are deprecated in Network I/O Control 3 (NIOC3)? (Choose two.) A. Class Of Service (COS) Tagging B. Bandwidth Allocation C. User-defined network resource pools D. Admission control

Answer: AC Explanation: Class of Service tagging and user-defined resource pools are deprecated in NIOC3.

QUESTION 52 An administrator runs the command `esxcli storage core device list` and sees the following output:

```
mpx.vmhba1:C0:T0:L0 Display Name: RAID 5 (mpx.vmhba1:C0:T0:L0) Has Settable Display Name: false Size: 40960 Device Type: Direct-Access Multipath Plugin: NMP Devfs Path: /vmfs/devices/disks/mpx.vmhba1:C0:T0:L0 Status: off Is Local: true What can be determined by this output? A. The device is being used for vFlash Read Cache. B. The device is in a Permanent Device Loss (PDL) state. C. The device is a local Solid State Device (SSD). D. The device is in an All Paths Down (APD) state. Answer: B
```

Reference: <http://vmwaremine.com/2014/07/07/manage-psa-claimrules-satp-rules-esxcli/#sthash.i6Esax8x.dpbs> QUESTION 53

What are two use cases for Fibre Channel Zoning in a vSphere environment? (Choose two.) A. Increases the number of targets presented to an ESXi host. B. Controls and isolates paths in a fabric. C. Controls and isolates paths to an NFS share. D. Can be used to separate different environments. Answer: BD Explanation: Zoning provides access control in the SAN topology. Zoning defines which HBAs can connect to which targets. When you configure a SAN by using zoning, the devices outside a zone are not visible to the devices inside the zone. Reference:

<https://pubs.vmware.com/vsphere-55/index.jsp?topic=%2Fcom.vmware.vsphere.storage.doc%2FGUID-E7818A5D-6BD7-4F51-B4BA-EFBF2D3A8357.html> QUESTION 54 Which two considerations should an administrator keep in mind when booting from Software Fiber Channel over Ethernet (FCoE)? (Choose two.) A. Software FCoE boot configuration can be changed from within ESXi. B. Software FCoE boot firmware cannot export information in FBFT format. C. Multipathing is not supported at pre-boot. D. Boot LUN cannot be shared with other hosts even on shared storage. Answer: CD

Explanation: When you boot the ESXi host from SAN using software FCoE, certain requirements and considerations apply. You cannot change software FCoE boot configuration from within ESXi. Core dump is not supported on any software FCoE LUNs, including the boot LUN. Multipathing is not supported at pre-boot. Boot LUN cannot be shared with other hosts even on shared storage. Reference:

<https://pubs.vmware.com/vsphere-55/index.jsp?topic=%2Fcom.vmware.vsphere.storage.doc%2FGUID-8E57EDC9-F122-4A81-8B80-FE19FFE832B1.html> QUESTION 55 An administrator notices that there is an all paths down (APD) event occurring for the software FCoE storage. What is a likely cause? A. Spanning Tree Protocol is enabled on the network ports. B. Spanning Tree Protocol is disabled on the network ports. C. Spanning Tree Protocol is enabled on the storage processors. D. Spanning Tree Protocol is disabled on the storage processors. Answer: A

Explanation: Prevent all paths down event on FCoE storage by disabling STP on network ports. QUESTION 56 Which two statements are true regarding iSCSI adapters? (Choose two.) A. Software iSCSI adapters require vmkernel networking. B. Independent Hardware iSCSI adapters offload processing from the ESXi host. C. Dependent Hardware iSCSI adapters do not require vmkernel networking. D. Independent Hardware iSCSI adapters require vmkernel networking. Answer: AB Explanation: An independent hardware iSCSI adapter is a specialized third-party adapter capable of accessing iSCSI storage over TCP/IP. This iSCSI adapter handles all iSCSI and network processing and management for your ESXi system. Software and dependent hardware iSCSI adapters depend on VMkernel networking. If you use the software or dependent hardware iSCSI adapters, you must configure connections for the traffic between the iSCSI component and the physical network adapters. Reference:

<http://pubs.vmware.com/vsphere-51/index.jsp#com.vmware.vsphere.storage.doc/GUID-9BC0BA74-EAE4-4816-BD49-E5214920A4B4.html> QUESTION 57 An administrator is configuring virtual machines to use Worldwide Port Names (WWPNs) to access the storage. Which two conditions are required? (Choose two.) A. The switches in the fabric must be N-Port ID Virtualization aware. B. The virtual machines must be using passthrough Raw Disk Mapping (RDMp). C. The virtual machines must be using Virtual Machine Disk (VMDK). D. The switches in the fabric must be Storage I/O Control aware. Answer: AB

Explanation: To configure virtual machines to use WWPNs, you have to set N-Port ID virtualization aware setting on the switches in the fabric and you should also make sure that the virtual machines must be using passthrough raw disk mapping. QUESTION 58 Which two statements are true regarding VMFS3 volumes in ESXi 6.x? (Choose two.) A. Creation of VMFS3 volumes is unsupported. B. Upgrading VMFS3 volumes to VMFS5 is supported. C. Existing VMFS3 volumes are unsupported. D. Upgrading VMFS3 volumes to VMFS5 is unsupported. Answer: AB

Explanation: While a VMFS-3, which is upgraded to VMFS-5, provides you with most of the capabilities

as a newly created VMFS-5, there are some differences. Both upgraded and newly created VMFS-5 support single-extent volumes up to 64TB and both support VMDK sizes of ~2TB, no matter what the VMFS file-block size is. However additional differences, although minor, should be considered when making a decision whether to upgrade to VMFS-5 or create new VMFS-5 volumes.

Reference: http://www.vmware.com/files/pdf/techpaper/VMFS-5_Upgrade_Considerations.pdf QUESTION 59 Which three statements are correct regarding Fibre Channel over Ethernet (FCoE)? (Choose three.) A. The network switch must have Priority-based Flow Control (PFC) set to AUTO. B. The network switch must have Priority-based Flow Control (PFC) set to ON. C. Each port on the FCoE card must reside on the same vSwitch. D. Each port on the FCoE card must reside on a separate vSwitch. E. The ESXi host will require a reboot after moving an FCoE card to a different vSwitch. Answer: ADE Reference: <https://pubs.vmware.com/vsphere-55/index.jsp?topic=%2Fcom.vmware.vsphere.storage.doc%2FGUID-6B49866F-7005-4099-84AC-4FB2A1A91F64.html>

QUESTION 60 Which two statements are true regarding Virtual SAN Fault Domains? (Choose two.) A. They enable Virtual SAN to tolerate the failure of an entire physical rack. B. Virtual SAN ensures that no two replicas are provisioned on the same domain. C. Virtual SAN ensures that all replicas are provisioned on the same domain. D. They require VMware High Availability (HA) to ensure component distribution across domains. Answer: AB Explanation: A fault domain consists of one or more Virtual SAN hosts grouped together according to their physical location in the data center. When configured, fault domains enable Virtual SAN to tolerate failures of entire physical rack as well as failures of a single host, capacity device, network link or a network switch dedicated to fault domains. Fault domains cannot be configured for stretched or metro clusters. Reference: <http://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.virtualsan.doc%2FGUID-8491C4B0-6F94-4023-8C7A-FD7B40D0368D.html>

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