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Cisco HyperFlex for Systems Engineers

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QUESTION 1

Which version of HXDP was the first to support multiple VICs on a single server?

A. HXDP 3.5.1

B. HXDP 3.0

C. HXDP 4.0

D. HXDP 3.5

Correct Answer: A

QUESTION 2

Which two processes does failure on a node initiate? (Choose two.)

A. Distributed pooled data is migrated off nodes to master data store.

B. Affected node is marked as unhealthy and placed into standby mode

C. A call-home process is initiated and the failure is reported to TAC

D. The VMs on the failed node are moved to another node by vSphere high availability

E. The system is marked unhealthy but remains operational.

Correct Answer: DE

QUESTION 3

Which two results are expected when you replace a node or expand a cluster? (Choose two.)

A. Distributed pooled data is migrated off nodes to master data store.

B. Affected node is marked as unhealthy and placed into standby mode

C. vSphere DRS migrates the virtual machines to the new node to balance the load

D. On node replace, the self-healing must finish for the cluster to be healthy

E. The cluster profile is updated and RAID takes care of rebalancing the load.

Correct Answer: CD

QUESTION 4

HyperFlex virtual servers differ from regular servers in which two key areas? (Choose two.)

A. NVMe: Regular servers do not support NVMe drives for high availability.

B. No RAID is required to consolidate disks into a shared data platform.

C. CVM: Virtual appliance, which performs reading/writing, caching, deduplication, and compression.

D. SP: UCS Service Profiles are used to delineate MAC address pools from upstream networks.

E. CCC: Cisco Cloud Center is used for multi-cloud integration and seamless deployment.

Correct Answer: BC

QUESTION 5

What is required to cluster a pair of Fabric Interconnects?

A. uplink connections to the enterprise network

B. HXDP 3.5.2 or better

C. connection between the FI pair using ports L1 and L2

D. UCS Manager 2.1 or better

Correct Answer: C

QUESTION 6

Which three additional management tools are included in HXDP to configure HyperFlex clusters? (Choose three.)

A. UCS Manager

B. Storage CLI

C. Data Center Network Manager

D. Cisco IMC 13

E. REST API

F. HyperFlex Connect

Correct Answer: BEF

QUESTION 7

When local writing or reading is performed, the IOVisor intercepts the read/write requests and forwards them to CVMs across the cluster This action allows non-local CVMs to be aware of the input/output requests so that they can perform the appropriate input/output action IOVisor provides which two additional functionalities? (Choose two.)

A. provides redundancy when local CVM fails, offloading data processing to another CVM in the cluster

B. when an IOVisor fails, the CVM remains active and functional, which enables uninterrupted operation of the system by forwarding 10 to another available IOVisor In the HyperFlex cluster

C. enables asynchronous replication of data across individual HyperFlex nodes with sub-second re-convergence

D. integration point for deployment of cloud-based SaaS offerings from eco-system partners

E. intercepts local virtual machines\\' reads and writes and distributes them across the network eliminating hotspots

Correct Answer: AE

QUESTION 8

Which three capabilities are provided by Virtual Interface Cards\\'? (Choose three.)

A. Virtualizing object storage environments by pushing meta data directly to the management server

B. The virtual interfaces created by a VIC do not accommodate hypervisor communication like VMkernel interfaces on vSphere.

C. Management through Cisco IMC or UCS Manager with dynamic configuration of virtual interface cards based on the server profile (MAC/WWN).

D. Traffic processing for internal and external communication supporting simultaneous HBA and NIC operation on the same physical hardware.

E. Multiple-interface-card virtualization without any additional driver requirements with integration of the virtualized cards into the Fabric Interconnect infrastructure.

F. A virtual environment, such as VMware vSphere, provides VM connectivity via a virtual switch to individual virtual machines bypassing local hardware requests.

Correct Answer: CDE

QUESTION 9

How can the maximum 10 performance be achieved?

A. Use the HX 220 with all flash drives

B. Use the HX 240 with all flash drives

C. Use the HX 220 with all SAS drives

D. Use the HX 240 with all SAS drives

Correct Answer: B

QUESTION 10

In all HX server types, where are capacity drives installed?

A. side

B. top

C. back

D. front

Correct Answer: D

QUESTION 11

Which two steps should be performed before installing HyperFlex? (Choose two.)

A. Determine and download recommended installer OVA version required

B. Complete the pre-installation checklist.

C. Determine and download recommended hypervisor

D. Download service profile templates

E. Determine and download virtual machine OS! required

Correct Answer: AB

QUESTION 12

What is the minimum amount of memory required for an HX node?

A. 192 GB

B. 64 GB

C. 32 GB

D. 128 GB

Correct Answer: D

QUESTION 13

HyperFlex compute nodes contribute what percentage of the overall disk storage capacity?

A. 5%

B. 20%

C. 0%

D. 10%

Correct Answer: C

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