



IBM

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Assessment: PureFlex Technical Expert V1

QUESTION: 64

Exhibit:

A Managed Service Provider (MSP) is looking for a platform on which to base their rapidly growing offerings. Their offerings include pre-packaged solutions for virtual computing, virtual desktop, virtual storage, general application support, and IaaS. They distinguish themselves with the ease of use of their user portal and services catalog, as well as offering a variety of service level agreements. Customers include gaming, financial, retail, health industries, government, telecommunications, and application developers.

The organization has a very strong technical skill base with an in-house development culture.

Key decision criteria includes rapid automated provisioning, multi-tenancy, isolation, security, billing and metering based on allocation and usage, and pay-as-you-grow scalability. High availability and disaster recovery are essential. They have a strong interest in KVM and Open Source to minimize cost, and exploit their core skills.

The current networking infrastructure is based upon Juniper switches and security devices.

They are currently considering IBM PureSystems and VCE Vblock, as well as non-integrated alternatives.

The client has a strong sPass base/interest in a Linux RHEL-based virtualized solution. One of their key requirements is to be able to quickly provision new compute nodes. Which PureFlex systems management capability should be highlighted to them?

- A. Bare-metal OS deployment
- B. Multiple hypervisor management
- C. Capture and redeployment of virtual machines
- D. Relocation of virtual machines based upon PFA events

Answer: A

QUESTION: 65

A PureFlex client is implementing VMControl for capturing and deploying Virtual Appliances. Which of the following is used as the Image Repository in a Storage Copy Services (SCS)-based Power virtualization environment?

- A. A VIO server
- B. A NIM server
- C. A NFS server
- D. A Kickstart server

Answer: A

QUESTION: 66

Exhibit

The IT organization of a large financial institution is under pressure to reduce the time required to deploy virtualized systems such as for development and test. Additionally, they need to support the organization's desktop virtualization initiatives and expanding business analytics workloads.

Currently installed systems are predominately x86 and Power Systems rack-based servers, but also include IBM BladeCenter and blade systems from other vendors. Virtualized environments include PowerVM, Hyper-V and VMware, and support for VM mobility is required.

I/O needs range from file servers through mid scale and high transaction databases. Currently installed storage is IBM DS8800, connected through a Brocade SAN environment. They are interested in learning more about flash storage.

Their network is currently based upon Cisco Catalyst 1Gb technology, but future needs include 10Gb technology, and they are open to consider other network vendors.

System management includes a Tivoli Monitoring solution, as well as various vendor-specific element management tools.

Active competitors in the account include Oracle, Cisco UCS, VCE, and HP.

They have a very structured decision making process with ROI being a heavily weighted decision criterion.

Which question would help the technical expert determine whether it would be better to propose the SI4093 or the EN4093R?

- A. Are there plans to use FCoE?
- B. How many uplink ports are needed between the chassis and the network core?
- C. How many ports of 10Gb connectivity are needed between the compute nodes and I/O modules?
- D. Is Layer 3 protocol support needed within the chassis now, or will it be needed some time in the future?

Answer: D

QUESTION: 67

A client has a 100% VMware infrastructure based on blade servers which are 5 years old. Currently VMware vCenter is used for virtual machine deployment.

Maintenance costs are growing so they are considering investing in a new converged infrastructure that is cost-effective. They are very interested in the IBM Flex System. Cloud features are important for them such as a self- service-portal, VM deployment, automatic placement of VMs on physical hardware with basic metering and billing of virtual machine usage. The technical expert recommends a Flex System containing a Flex System Enterprise Chassis with Intel compute nodes, Flex System V7000 Storage Node, redundant Ethernet and Fibre Channel switches. What additional items should be included?

- A. Flex System Manager Basic with SmartCloud Entry
- B. Flex System Manager Advanced with SmartCloud Entry
- C. Flex System Manager Basic with SmartCloud Monitoring
- D. Flex System Manager Advanced with SmartCloud Monitoring

Answer: A

QUESTION: 68

A prospective client is very interested in the IBM Flex System, and they want to standardize on the x240. The client is very concerned with tape back-up and needs to keep Internet traffic, tape traffic, and disk traffic on separate physical adapters. How can this be achieved?

- A. Add a PCIe expansion node
- B. Add a storage expansion node
- C. Add a redundant CN4093 switch
- D. Add a redundant Fibre Channel switch

Answer: A

QUESTION: 69

IBM PureFlex Systems offer a wide range of interconnect options. What network interconnect options are available on VCE Vblock systems?

- A. iSCSI and FCoE
- B. InfiniBand QDR/FDR and iSCSI
- C. Ethernet 10GbE and Fibre Channel 16 Gb/s
- D. Virtual Fabric 10 Gb/s and InfiniBand QDR/FDR

Answer: A

QUESTION: 70

A client uses a PureFlex With a Flex System V7000 control enclosure. They want to add more storage capacity to the current system but there is no free bay space in the current class. What is the recommended solution for this scenario?

- A. Add a Storwize V7000 control enclosure to the current system
- B. Add a Storwize V7000 expansion enclosure to the current system
- C. Add a Flex System V7000 control enclosure to the current system using another chassis
- D. Add a Flex System V7000 expansion enclosure to the current system using another chassis.

Answer: B

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