

HPE0-S22^{Q&As}

Architecting Advanced HPE Server Solutions

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QUESTION 1

A customer needs to streamline monitoring to its HPE Apollo 6000 solution.

Which benefit can HPE Advanced Power Management (APM) provide to this customer?

- A. It discovers and inventories XL servers installed in the HPE Apollo chassis.
- B. It monitors the utilization of resources such as CPU and memory.
- C. It enables HPE OneView to automatically discover and map the chassis and its servers.
- D. It audits the firmware on XL servers installed in the HPE Apollo chassis.

Correct Answer: A

QUESTION 2

A customer has 1,000 virtual machines that run on VMware ESXI servers. The customer is concerned that some of the virtual machines may be oversized, which could affect the other virtual machines. Which HPE product should the architect recommend to help the customer with infrastructure sizing, to improve efficiency, and to reduce cost?

- A. HPE Operations Analytics for HPE OneView
- B. HPE Insight Control
- C. HPE Helion CloudSystem 9
- D. HPE Cloud Optimizer for HPE OneView

Correct Answer: D

QUESTION 3

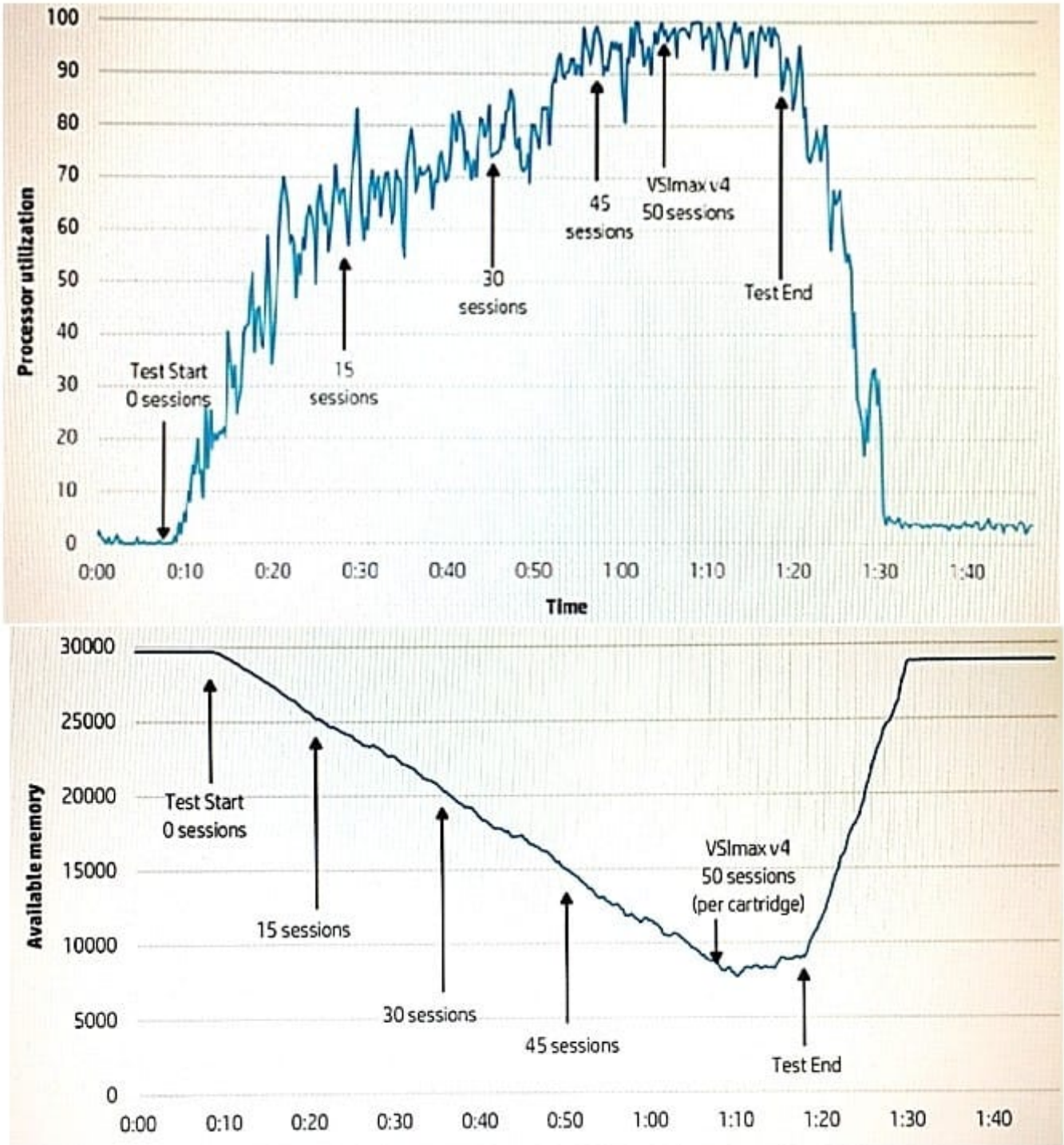
An architect is discussing advantages of the Software Defined Datacenter concept used by HPE OneView with a customer. The customer is focused on improving the data center agility and manageability. Which key benefit of the SDDC should the architect discuss with customer?

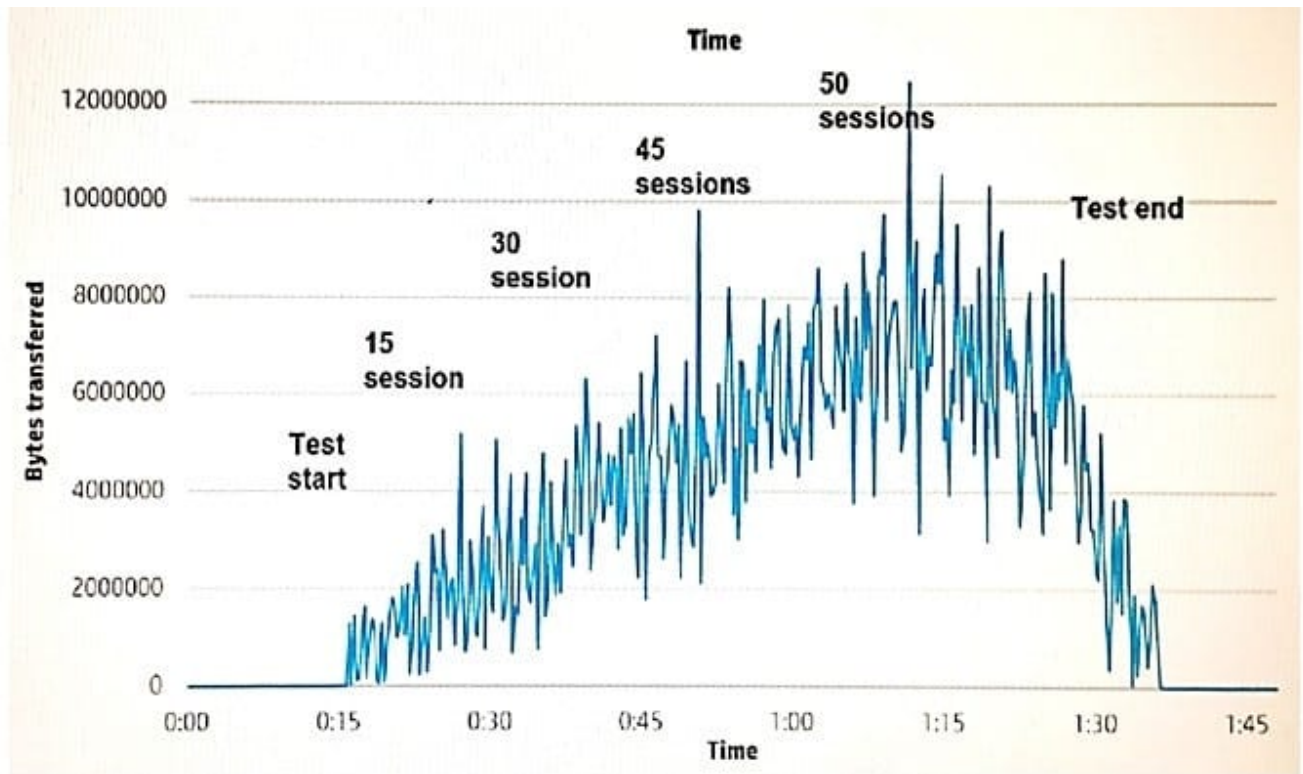
- A. improved IRR and NPV results for the customer
- B. offers a virtual machine self-service solution
- C. various elements of the infrastructure are virtualized and delivered as a service
- D. results in significant power and cooling expense reduction

Correct Answer: C

QUESTION 4

View the Exhibit.





Refer to the exhibit. An architect is planning an HPE Moonshot System with m710 cartridges to support a customer application virtualization solution. The customer indicated that the maximum acceptable response time for the solution is three

seconds. The architect has implemented a POC and tested a single cartridge with different numbers of user sessions.

The architect monitored resource utilization throughout the tests. The results of the test with the point at which the response time exceeded three seconds are shown, marked as the "VSI max."

What should the architect conclude from this test?

- A. CPU becomes a limiting factor around 50 sessions, so the architect should propose at least one cartridge per 45 or 50 users.
- B. None of the monitored resources shows signs of being a bottleneck, so the architect should consider other factors such as the HPE Moonshot switch module.
- C. The network adapter becomes a bottleneck before other resources, so the architect should propose m710p cartridges, which provide 10GbE ports.
- D. The memory becomes a bottleneck before other resources, so the architect should propose m400 cartridges, which provide a higher memory capacity.

Correct Answer: C

QUESTION 5

A customer needs to order an HPE Apollo 2000 chassis and compute trays. The customer's requirements are as follows:

-Four nodes

-SATA SSD storage of 23TB

-

HPE Secure Encryption on the storage Which compute tray should the architect recommend?

A.

XL190r

B.

XL220a

C.

XL230a

D.

XL170r

Correct Answer: A

QUESTION 6

A customer needs a live transcoding solution that meets the following requirements:

1.

Supports thousands of HD streams

2.

Provides GPU acceleration

3.

Provides a high density of streams per Watt and rack unit Which solution should the architect recommend?

A. Several HPE Apollo 6000 Systems with HPE ProLiant XL220a server nodes

B. Several HPE Moonshot Systems with m700 cartridges

C. Several HPE Moonshot Systems with m710p cartridges

D. Several HPE Apollo 6000 Systems with HPE ProLiant XL230a server nodes

Correct Answer: C

QUESTION 7

A customer needs a new system to be managed so that OS installations, driver installations, and scripted applications can be controlled from a central point. Parallel deployment jobs are also an important requirement for the customer. Which management software should the architect propose to meet the customer's needs?

- A. HPE iLO REST API
- B. HPE Insight Control server provisioning
- C. HPE Intelligent Provisioning
- D. HPE Smart Update Manager

Correct Answer: B

QUESTION 8

Which network infrastructure components should an architect consider when recommending 40GbE in a server solution?

- A. OM2 cables can be reused for runs of 50 meters or less
- B. OM4 cables can be reused for all runs out to the maximum of 300 meters
- C. Cables will need to be replaced by multi strand MPO cables
- D. Multimode cables will all need to be replaced by single mode cables

Correct Answer: C

QUESTION 9

A proposed solution includes the HPE Moonshot-4QSFP+ Uplink Modules. The customer informs the architect that the planned purchase of 40GbE switches has been postponed. The customer still intends to purchase 40GbE switches within a year, but in the meantime, existing 10GbE switches will be used. These switches are HPE network switches located 25 meters from the location of the racks that house the HPE Moonshot Solution. The customer needs 30Gb/s bandwidth.

Which action should the architect recommend to allow the customer to deploy the solution immediately and easily take advantage of 40GbE when deployed later?

- A. Swap in HPE Moonshot-16SFP+ Uplink Modules
- B. Replace the QSFP+ transceivers with SFP+ transceivers
- C. Add QSP+/SFP+ adaptor kits to the design
- D. Replace the DAC cables with DAC splitter cables

Correct Answer: C

QUESTION 10

An architect proposes an HPE Moonshot server solution for a customer. The customer needs a single processor solution with a network switch to allow 10Gb connectivity and support for a software-defined network solution. Which HPE Moonshot switch module meets the customer's needs?

- A. 180G Switch Module
- B. 45Gc Switch Module
- C. 45XGc Switch Module
- D. 45G Switch Module

Correct Answer: C

QUESTION 11

An architect is planning an HPE Integrity Superdome X solution with the following nPartitions:

nPar 1= Slots 1, 3, and 5 nPar 2 = Slots 2, 4, and 6 The Superdome X solution must connect to a Fibre Channel SAN solution, which provides boot disks for the Superdome X solution.

The architect has selected a FlexibleLOM adapter for each blade. What is a valid plan for additional adapters?

- A. one 2-port FC HBA for slot 1
- B. one 2-port FC HBA each for slot 1, slot 3, and slot 5
- C. one 2-port FC HBA each for slot 1 and slot 2
- D. one 2-port FC HBA each for slot 2, slot 4, and slot 6

Correct Answer: D

QUESTION 12

An architect is designing a solution, a key element of which is the capability for fast VMware cluster growth with minimal administrative interaction. Which HPE solution should the architect recommend?

- A. HPE MSA 2040 in combination with VMware auto deploy
- B. HPE StoreVirtual VSA combination with HPE Virtual Connect
- C. HPE 3PAR in combination with HPE OneView for VMware vCenter
- D. HPE 3PAR in combination with HPE Storage Automation

Correct Answer: C

QUESTION 13

A customer requests a proposal for an HPE Apollo 4530 system. The customer reports that it has experienced problems

in the past with boot time malware attacks within its environment. Which solution should the architect propose to protect the customer from this threat?

- A. Use encrypted drives.
- B. Use Smart Array Controllers.
- C. Enable Legacy BIOS mode.
- D. Enable UEFI secure boot mode.

Correct Answer: D

Reference: http://docs.software.hpe.com/SA/10.51/Content/admin_guide/SA_10.1x_OS_Installation_SecureBootCapableServers.htm

QUESTION 14

A customer plans to purchase some c7000 blade enclosures equipped with Virtual Connect FlexFabric modules to support its development and test team. The customer is concerned about frequent changes to the server blade connectivity. In the initial proposal, an architect included HPE OneView, and now the customer wants to learn how HPE OneView will address their concern.

Which HPE OneView functionality should the architect explain to the customer?

- A. all external connectivity changes will be automatically discovered and server profiles will be automatically updated to reflect the change.
- B. the customer can use different plugins to visualize network and storage connectivity, and change them by using the drag and drop method.
- C. the customer can create profile templates, deploy server profiles from the template, and, if necessary, use the same method to update server connectivity.
- D. the customer can access HPE Virtual Connect Enterprise Manager and perform connectivity changes for all servers in the same Virtual Connect Domain Group.

Correct Answer: B

QUESTION 15

Which statement describes the availability metrics for an HPE system's high availability?

- A. All standard HPE servers are designed for 99.9999% availability.
- B. A system consisting of HPE standard servers with an availability of 99.9999% and a storage system with an availability of 99.99% will have a combined availability of 99.99999%.
- C. A system with an availability of 99.99% can be expected to be in operational for 6 minutes or fewer per year.
- D. A system with an availability of 99.999% will statistically not have an unscheduled downtime of more than 1 hour total

in 10 years of operation.

Correct Answer: B

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