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Architecting Advanced HPE Server Solutions

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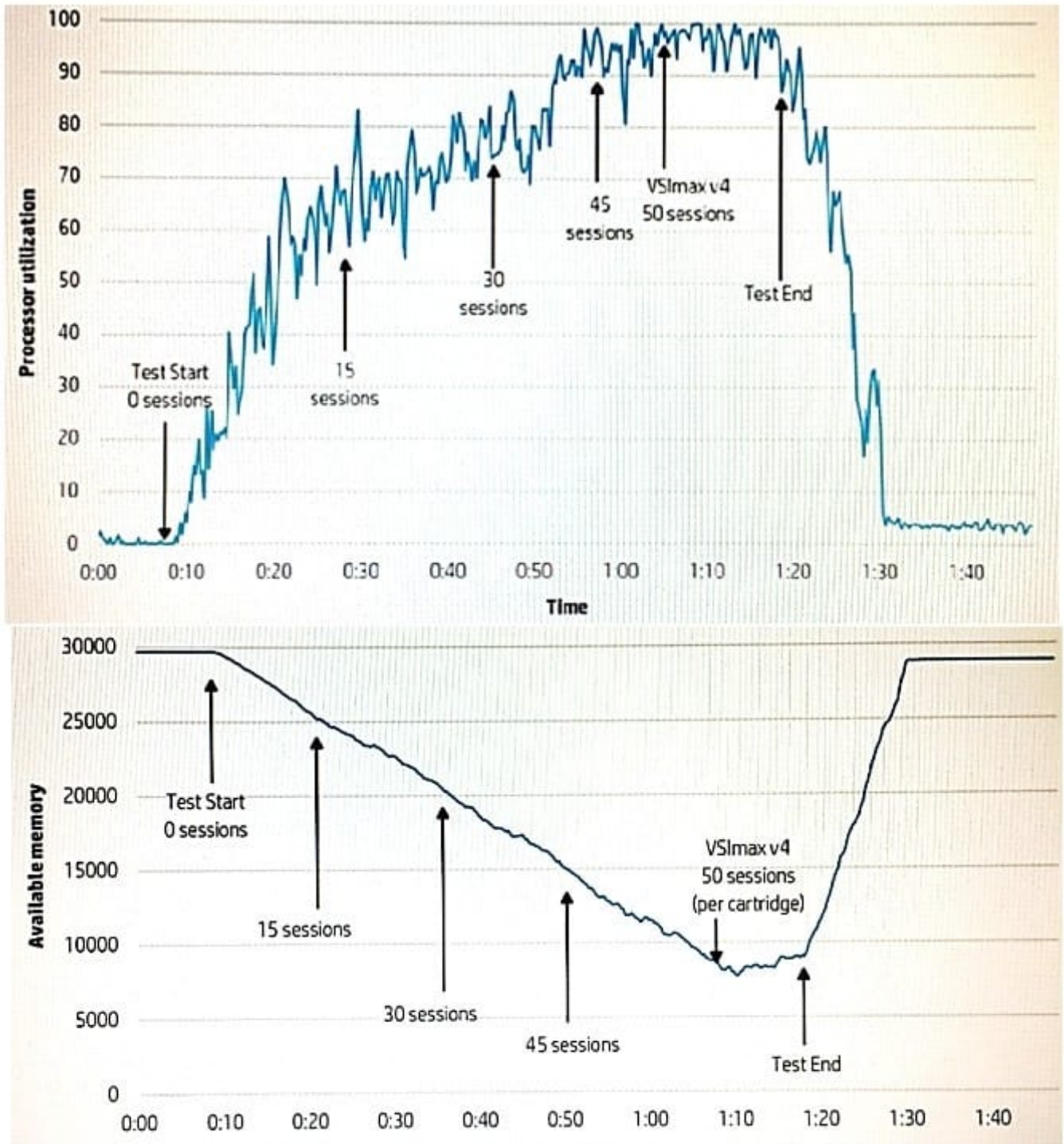### 100% Passing Guarantee
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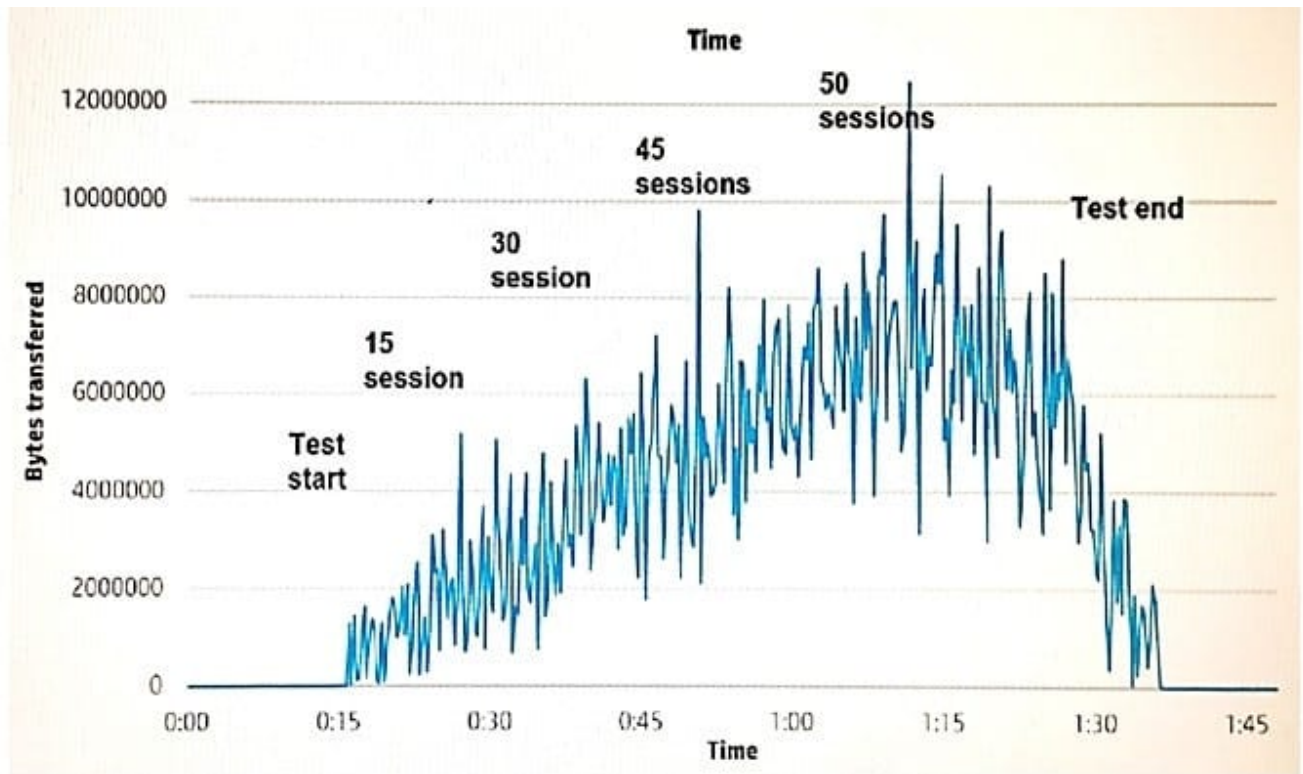Exam Center

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QUESTION 1

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 2

An architect is positioning a scale-up solution to a customer. The solution will reduce the customer\\'s server sprawl by reducing 100 legacy virtualization hosts while improving performance. Which HPE platform provides an appropriate

solution?

A. HPE Integrity Superdome X

B. HPE Apollo Systems

C. HPE Synergy

D. HPE Hyper-converged systems

Correct Answer: D

QUESTION 3

An architect has selected the FlexibleLOM option fur HPE XL230a compute trays, which will host an HPC application.

When should the architect select a FlexibleLOM adapter that supports Fibre Channel over Ethernet (FCoE)?

A. when the application uses parallel computing and relies on Fibre Channel to reduce latency for communications between compute nodes

B. when the application requires high throughput between processors and disk drives local to the same compute tray

C. when the application uses a Fibre Channel storage area network (SAN) for its shared storage solution

D. when the application requires additional bandwidth and needs a solution for load sharing traffic over multiple links

Correct Answer: A

QUESTION 4

An architect is determining the amount of memory to propose for an HPE XL230a compute tray.

The customer specifies several requirements, properties, and parameter of the application.

Which factor will critically affect the memory amount requirement to prevent a potential memory bottleneck?

A. The application stores data on local drives.

B. The application requires CPUs with multiple cores to support multiple HPC jobs.

C. The application is single-threaded high performance computing (HPC).

D. Secure Encryption of locally stored data is required.

Correct Answer: B

QUESTION 5

A customer needs a server infrastructure update for its Hadoop HBase solution. The HBase maximum dataset size will be 120TB.

To host HBase, the architect is planning three HPE Moonshot 1500 chassis that are fully populated with cartridges. The populated chassis provide the following in total:

1.

 135 processors with 4 2.9GHz cares each

2.

 4. 32TB RAM

3.

 64.8TB local storage on SSDs

Which aspect or the design is under provisioned and is likely to cause performance to be degraded to one- tenth or even one-hundredth of its potential?

A. number of cores per processor

B. number of processors

C. amount of local storage on SSDs

D. amount of RAM

Correct Answer: C

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