C9010-251 Q&As

Power Systems with POWER8 Scale-out Technical Sales Skills V1

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QUESTION 1

A customer has two Power 570 servers that need to be replaced to accommodate company growth.

The first server runs a transactional workload with high server usage during the day (8am-8pm)

The second server runs analytic queries based on the transactional data during the night (10pm-6am).

A technical sizing analysis determined that each server would require (18) POWERS 3.52GHz cores and

160GB RAM, considering the needed growth.

What would be the most cost-efficient way to satisfy the customer needs?

A. (1) new Power S824 with 24 cores and 384GB and DLPAR CPU resources among LPARs

B. (1) new Power 770 with 36 active cores and 384GB active, virtualized with capped LPARs

C. (1) new Power S824 with 36 cores and 384GB, virtualized with capped LPARs.

D. (2) new Power S824 with 20 cores and 192GB RAM each.

Correct Answer: B

QUESTION 2

Which statement is true regarding Power Systems being positioned as an open platform?

A. OpenStack management allows for a single HMC to provide centralized management across the whole private cloud.

B. CAPI allows clients to consolidate multiplatform workloads by attaching other manufacturer processors (like Intel or Oracle) on the servers.

C. PowerKVM allows clients to standardize on a single open source virtualization technology among RISC and x86 servers.

D. Linux on Power allows clients to transparently migrate workloads from Linux x86 servers via Live Partition Mobility.

Correct Answer: C

QUESTION 3

A customer has multiple partitions running their applications. Each partition has heavy memory requirements at different times of the day due to differences in the time zones of the users.

Which memory technique can be best utilized in order to dynamically share memory among the LPARs?

A. Active Memory Sharing

B. Active Memory Expansion

C. Virtual Memory Boost

D. Virtual Memory Pool

Correct Answer: A

QUESTION 4

A customer needs a new server for their database currently running on a 16-core POWER7 4.1 GHz based server. Oracle has informed the customer that their SPARC T5 based servers are best suited for running databases, because the SPARC T5 has eight threads per core, while the current servers only allow for up to four threads per core.

Which of the following statements could be correctly used to repudiate the Oracle claim?

A. Databases are mostly single-threaded workloads. Scale-out POWERS servers have higher clock speeds and can scale to more cores than SPARC T5 servers.

B. Oracle T5 Servers are engineered to run Oracle workloads faster. Non-Oracle workloads will run slower on their hardware due to the amount of threads.

C. More threads will implicate more licensing for the database software. Less threaded processors provide a better TCO by reducing the licensing.

D. The number of threads cannot guarantee better performance. Servers based on POWERS have better per core performance in benchmarks when compared to SPARC T5 based servers.

Correct Answer: D

QUESTION 5

A client is considering hardware platforms for their Hadoop implementation.

Which of the following is an advantage of a Power Systems solution over an x86 solution for then implementation?

A. Support for two copies of data

B. Support for the Hadoop File Placement Optimizer

C. Support for IBM Elastic Storage

D. Built-in High Speed Cluster Interconnect

Correct Answer: A