



C4040-250^{Q&As}

Power Systems with POWER8 Sales Skills V1

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**QUESTION 1**

Which POWER8 technology features contribute the most to lower TCO?

- A. CAPI and transactional memory
- B. High performance cores and SMT
- C. PCIe Gen3 support and Hot Plug adapters
- D. First Failure Data Capture and Thermal Power Management Device

Correct Answer: B

Reference: <https://www.ibm.com/developerworks/community/wikis/form/anonymous/api/wiki/61ad9cf2-c6a3-4d2c-b779-61ff0266d32a/page/f1abe75a-a2b2-43dd-9d75-7dae28f5bc5f/attachment/0b9be9c6-1d2b-44dc-9630-384f47734c94/media/201401%20Intro%20to%20POWER8%20Processor%20%28JM%20Tendler%20to%20GA%20Power%20User%20Group,%202014-01-16%29.pdf>

QUESTION 2

A customer has a requirement for analytics with structured and unstructured data. They want to use Open source products.

What will satisfy the requirement?

- A. HortonWorks on a Linux on Power cluster
- B. Veristorm on a Linux on Power cluster
- C. Cloudera on a POWER8 IFL on an E870
- D. Netezza on an S824

Correct Answer: B

IBM Power Systems, built on the POWER8 processor and architecture, are specifically designed for optimum Big Data and cloud performance.

Combined with Veristorm Data Hub™ (VDH), you can deploy a robust, open-source distribution of Apache™ Hadoop that is optimized for Linux on Power Systems. This combination brings you the best of both worlds: The innovation of the

vibrant Hadoop ecosystem, and the performance and cost advantages of POWER8.

With Veristorm Data Hub, Hadoop on Power Systems, you can deliver self-service analytics with more intelligence, leveraging data volumes that exceed traditional systems.

Reference:

http://www.veristorm.com/sites/g/files/g960391/f/collateral/ds_VDHforPower_20150218b.pdf

**QUESTION 3**

In a competitive situation, a customer wants to compare virtualization capabilities of POWER8 systems and x86 systems. Which response describes a competitive advantage of PowerVM compared to VMware?

- A. PowerVM runs in a secure address space while VMware runs in application state
- B. PowerVM can run dual VIO servers to provide higher availability
- C. PowerVM provide higher system utilization because it is implemented in the processor logic.
- D. PowerVM has the ability to virtualize memory while VMware does not.

Correct Answer: D

Recent innovations include Active Memory Sharing, which allows for the exchange of memory between running partitions. This increases optimization of physical resources similar to how CPUs are shared with Shared Processor logical

partitions. It enables the sharing of a pool of physical memory among the logical partitions. One of the key benefits is that it provides the ability to configure systems with less physical memory. When a system needs more physical memory, it

can be configured to grab the memory from the shared pool. Basically, this shifts memory dynamically from idle LPARs to active ones. This feature is available on AIX V6.1 and SLES 11. A VIO server must also be deployed for partitions that

use Active Memory Sharing, and all I/O access needs to be virtualized by using these partitions.

Reference:

<https://www.ibm.com/developerworks/aix/library/au-aixhvirtualization/>

QUESTION 4

An IBM customer is implementing a very complex solution and is encountering difficulty with the integration of the IBM Power System and storage. What resource should the customer use for assistance?

- A. Advanced Technical Support
- B. Redbook planning guides
- C. Support Line
- D. IBM Knowledge Center

Correct Answer: A

Reference: <http://www-935.ibm.com/services/us/en/it-services/technical-support-services/>

QUESTION 5

A customer is running a critical and large Oracle Database on x86 servers in an 8-node RAC cluster. The client has



regular outages and poor performance.

Which POWER8 advantage is most relevant to the customer?

- A. Near linear scaling
- B. Service Processor
- C. ECC memory
- D. License savings

Correct Answer: A

Explanation: There are some algorithms that scale nearly perfectly to thousands (or hundreds of thousands) of threads

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