C4040-250^{Q&As}

Power Systems with POWER8 Sales Skills V1

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QUESTION 1

What elements of POWER8 technology can be exploited by software developers to optimize performance on an E870?

A. Active Memory Expansion and storage keys

B. Hypervisor and Thermal Power Management Device (TPMD)

C. First Failure Data Capture (FFDC) and Service processor

D. Transactional memory and SMT

Correct Answer: C

Explanation: First Failure Data Capture (FFDC) is a technique that helps ensure that when a fault is detected in a system, the root cause of the fault will be captured without the need to re-create the problem or run any sort of extending tracing or diagnostics program. For the vast majority of faults, a good FFDC design means that the root cause can also be detected automatically without servicer intervention.

FFDC information, error data analysis, and fault isolation are necessary to implement the advanced serviceability techniques that enable efficient service of the systems and to help determine the failing items. Topic 2, Competition (11%)

QUESTION 2

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

QUESTION 3

A customer states that up time is very critical in their environment. What should the IBM reseller tell the customer?

A. IBM\\'s high availability solution has instant failover resulting in zero down time.

B. IBM\\'s POWER8 Enterprise systems offer a fault tolerant solution.

C. Power Systems are the most reliable non-mainframe systems.

D. IBM POWER8 technology offers concurrent maintenance on all components.

Correct Answer: B

Explanation: The reliability of the IBM Power SystemsTM starts with components, devices, and subsystems that are designed to be fault-tolerant. IBM Power Systems uses lower voltage technology in the processor Single Chip Modules (SCMs) that improves reliability stacked latches to reduce soft error (SER) susceptibility. During the design and development process, subsystems go through rigorous verification and integration testing processes. During system manufacturing, systems go through a thorough testing process to help ensure high product quality levels.

The processor and memory subsystem contain a number of features designed to avoid or correct environmentally induced, single-bit, intermittent failures as well as handle solid faults in components, including selective redundancy to tolerate certain faults without requiring an outage or parts replacement.

QUESTION 4

What is a performance monitoring product that is available on the E880?

A. PowerSC

B. PowerVP

C. PowerVC

D. PowerVM

Correct Answer: B

The dynamic pace of change that is encountered with today\\'s virtualized environments and workloads require flexible infrastructure. This flexible infrastructure allows virtual workloads to be mobile and to dynamically contract and expand

within the virtual data center as needed by the business. Performance is key to the benefit of this new flexibility introduced by server virtualization and cloud deployments which yields the benefits of consolidation, flexibility and reduction of

risk.

The ability to manage and monitor the performance of both the virtualized workloads as well as the physical hardware mapping is critical. IBM PowerVPTM provides the performance intelligence to make key decisions in the virtualized

infrastructure such as VM placement and exploitation of key server resources for optimized workload performance.

Reference:

http://www-03.ibm.com/systems/power/software/virtualization-management/

QUESTION 5

A customer wants to replace their existing x86 server farm running Domino, Websphere Application Server, file serving, print serving, Cognos and DB2 database. Which Operating System offers an integrated solution to satisfy the customer\\'s requirements?

A. Red Hat

B. SUSE

C. IBM i

D. AIX

Correct Answer: C

Explanation: IBM i operating system can support Domino, Websphere, file serving, print serving, Cognos and DB2 database. Since it is an IBM operating system, it can easily run all the required IBM products efficiently.

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