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QUESTION 1

A customer with an AIX in-house SMT2 application on POWER6 would like to upgrade to POWER9. The customer would like to know the relative performance of the servers.

Which resource provides the SMT2 performance of the two systems?

A. IBM Performance Management for Power Systems

B. IBM Power Systems Performance Report

C. IBM Power Systems Facts and Features

D. IBM Systems Workload Estimator

Correct Answer: A

QUESTION 2

What are IBM\'s recommended best practices for racking and cabling on the IBM Power System E980?

A. Use the eight inch rack rear expansion.

B. Place the PDUs in the rack\'s vertical side pockets.

C. Use the acoustic rack doors to minimize floor space and protect operator hearing.

D. Locate the EXP24S SAS drawers in a different rack from the node of PCIe I/O drawer containing the SAS adapters running them.

Correct Answer: C

QUESTION 3

Due to an emergency situation, a customer needs to activate all processor and memory resources in a Power System E980 for ten days.

Which of the following could be used to achieve this need with the least possible cost?

A. Elastic CoD

B. Trial CoD

C. Utility CoD

D. Static Activation

Correct Answer: A

Reference: https://www-01.ibm.com/common/ssi/ShowDoc.wss?docURL=/common/ssi/rep_ca/6/877/
ENUSZG18-0086/index.htmlandrequest_locale=en

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QUESTION 4

Which open source technology forms the basis for PowerVC?

A. Linux

B. KVM

C. Hadoop

D. OpenStack

Correct Answer: D

Reference: https://kruemcke.wordpress.com/2013/12/04/why-openstack-for-powervc/

QUESTION 5

Which of the following is true for systems virtualized with PowerVM?

A. Adapters can be dedicated to LPARs.

B. LPARs require virtual adapters.

C. LPARs require shared memory.

D. Cores must be shared between LPARs.

Correct Answer: A

QUESTION 6

Which of the following needs to be taken into consideration when designing an IBM Power System E980 solution?

A. Each system node has eight PCI full-size Gen3 slots which are a mix of x8 and x16 PCIe slots.

B. A DVD drive must be included in either the system control unit or in a system node.

C. Redundant SAS controllers in each system node manage all six system node SAS bays.

D. Only low profile PCIe adapters are supported in the system node.

Correct Answer: A

Reference: https://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=ANandsubtype=CAandhtmlfid=877/
ENUSZG18-0086andappname=lenovospainandlanguage=es

QUESTION 7

A customer wants to use Live Partition Mobility (LPM) to migrate an AIX 7.1 LPAR from their Power System E980 to some older Power servers in their existing environment.

Assuming their processor mode is set correctly, they can use LPM to move from POWER9 to:

A. POWER8 only.

B. POWER5, POWER6, POWER7, or POWER8.

C. POWER6, POWER7, or POWER8.

D. POWER7, or POWER8.

Correct Answer: D

QUESTION 8

A customer has a partitioned system running IBM i. The customer is considering a new system to replace the existing system and wants to add new WebSphere and Linux workloads.

Which of the following will assist in sizing the new system?

A. System Planning Tool (SPT)

B. nmon_analyzer

C. Performance Management (PM) for Power System

D. Workload Estimator (WLE)

Correct Answer: A

QUESTION 9

Which of the following is an advantage of Power System Servers over Oracle Exadata solutions?

A. Support for Flash Drives

B. Ability to add cores and memory

C. Can run Oracle 12C natively

D. Offers a greater quantity of cores for enhanced scaling

Correct Answer: B

Reference: https://www.slideshare.net/miguelnoronha/why-oracle-on-ibm-power7-is-better-than-oracleexadata-the-advantages-of-ibm-power7-systems (slide 10)

QUESTION 10

![Pass2Lead](https://Pass2Lead.com)
A customer is comparing a Power Systems solution with an x86 solution for big data analytics.

Which no-charge IBM analysis is available to justify the value of IBM Power Servers compared to x86 solutions?

A. IT Economics Study (Eagle Study)

B. Performance Navigator

C. System Planning Tool

D. Workload Estimator

Correct Answer: D

The IBM Systems Workload Estimator is a web-based sizing tool for IBM Power Systems, System i, System p, System x, IBM Flex Systems, and IBM PureFlex Systems. You can use this tool to size a new system, to size an upgrade to an existing system, or to size a consolidation of several systems. The Workload Estimator (WLE) allows measurement input to best reflect your current workload and provides a variety of built-in workloads to reflect your emerging application requirements. Virtualization can be used to yield a more robust solution. The Workload Estimator will provide current and growth recommendations for processor, memory, and disk that satisfy the overall client performance requirements

Reference: https://www.ibm.com/developerworks/community/blogs/systemssupport/entry/ibm_systems_workload_estimator_and_energy_estimator2?lang=en

QUESTION 11

A customer has ordered Capacity on Demand (CoD) for their server, and would like to implement it in their environment.

To use CoD, they download an activation code from the IBM:

A. CoD website and enter it using the HMC.

B. CoD website and enter it into the partition profile.

C. Entitled System Support website and enter it into the partition profile.

D. Entitled System Support website and enter it using the HMC.

Correct Answer: A

QUESTION 12

What is a characteristic of POWER9 processor-based virtualized environments?

A. Processors are assigned per whole core.

B. Greater virtualization increases the cost of computing.

C. Greater virtualization reduces workload costs.

D. Resources must be dedicated at the PCIe card level.

Correct Answer: C

QUESTION 13

A customer has ordered a Power System E980. The system has been built, but cannot be shipped.

What would prevent the system from being shipped?

A. The mandatory pre-install TDA has not been completed.

B. The IBM System Support representative has not completed the pre-install site visit.

C. The opportunity owner has not released it.

D. A pre-sale TDA discovered correctable issues that have not been corrected.

Correct Answer: D

QUESTION 14

A customer with a Power System 770 and direct SAN I/O is planning a migration to a Power System E980. The Power System 770 has four 8Gb PCIe 2-port full-height Fibre Channel adapters with all storage going through the SAN. The customer wants to keep the same WWPNs, and avoid a SAN reconfiguration.

What procedure should be recommended?

A. Order new HBAs, but keep using the existing, already configured SAN switches.

B. Order a PCIe Gen3 I/O Expansion Drawer and relocate the HBAs into the drawer.

C. Order new HBAs and modify the WWPNs in the ASMI.

D. Move the HBAs from the Power 770 and install them into the Power System E980 system node.

Correct Answer: D

QUESTION 15

A customer with a Power System E870 with five IBM i licenses wants to replace it with a new Power System E980 for a new workload. They will require eight IBM i licenses.

What is the most cost-effective way for the customer to accomplish this?

A. Purchase 3 new IBM i licenses and transfer 5.

B. Purchase 2 new IBM i licenses and transfer 6.

C. Purchase 5 new IBM i licenses and transfer 3.

D. Purchase 8 new IBM i licenses.

Correct Answer: A

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