



# C1000-031<sup>Q&As</sup>

IBM Power Systems Scale-Up Technical Sales

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#### QUESTION 1

How is rack space reserved for cabling space when configuring Power System E980 servers?

- A. By designating 1U or 2U of space at either the top or bottom of the rack in the configuration.
- B. By using the supplied cable management arms that come with the server as standard.
- C. By requesting rack space during the pre-install Technical Delivery Assessment.
- D. By configuring extra blank rack panels.

Correct Answer: A

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#### QUESTION 2

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

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#### QUESTION 3

A customer needs to run a Linux database application that is supported on both x86 and Power System processors.

What is the advantage of selecting a POWER9 processor-based system for this application?

- A. The ability to move live workloads without downtime.
- B. More applications are compiled for Power Systems than for x86.
- C. Better memory bandwidth on POWER9 processor-based systems.
- D. More cores per socket on POWER9 processor-based systems.

Correct Answer: D

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#### QUESTION 4



A customer has multiple partitions running their AIX 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 on POWER9 can be utilized to dynamically allocate memory as needed among the LPARs?

- A. Active Memory Sharing
- B. Virtual Memory Mirroring
- C. Uncapped Memory Pool
- D. Active Memory Expansion

Correct Answer: A

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#### QUESTION 5

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

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#### QUESTION 6

What is the main advantage of using dedicated donating cores for a Virtual Machine (VM) running a workload on a Power System E980 with multiple VMs?

- A. To reduce the cost of software licenses.
- B. To extend the processor pool with unused processor cycles.
- C. To reduce the cost of activated cores.
- D. To enable Elastic Capacity on Demand.

Correct Answer: B

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#### QUESTION 7

Which of the following statements is true regarding Dynamic Logical Partitioning (DLPAR)?

- A. In a disaster, it will immediately move active LPARs from a local system to a remote system, over the network with only a pause in service.



- B. In a disaster, it will immediately move active LPARs from a local system to another local system, using a common SAN, with only a pause in service.
- C. It enables the relocation of resources such as CPU and memory between LPARs as required, without an interruption in service.
- D. It will automatically allocate an unlicensed processor to an LPAR to replace one that has reached the threshold for errors.

Correct Answer: D

Reference: <http://ibmsystemsmag.com/aix/administrator/lpar/dynamic-lpar---the-way-to-the-future/?page=2>

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### QUESTION 8

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)

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### QUESTION 9

An IBM I customer has installed a Power System E980 with 32 installed and 20 active cores. They run VIOS on four cores and three IBM i LPARS in capped mode.

LPAR A uses 8 cores.

LPAR B uses 6 cores.

LPAR C uses 2 cores.

The customer has a requirement to make LPARs A and B highly available and wants to use PowerHA for IBM i to achieve this.

What is the minimum number of cores that need to be licensed for PowerHA on the primary server?

- A. 20 cores
- B. 16 cores
- C. 14 cores



D. 32 cores

Correct Answer: C

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#### QUESTION 10

When using Mobile Activations in Power Enterprise Pools and LPM (Live Partition Mobility) migration, which of the following is true?

- A. The target system must have available inactive CoD capacity.
- B. Additional PowerVM licenses for the target system must be purchased.
- C. The customer must return the mobile activations to the source systems processor pool within 30 days.
- D. The customer must notify IBM prior to moving activations to the target system.

Correct Answer: B

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#### QUESTION 11

Where should adapter configurations be validated before adding or rearranging adapters on a Power Enterprise Server?

- A. System Planning Tool
- B. System SSIC
- C. System HMC
- D. System Rack Configuration

Correct Answer: A

Reference: <https://www.ibm.com/support/knowledgecenter/POWER6/areab/areab.pdf>

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#### QUESTION 12

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.html&request\\_locale=en](https://www-01.ibm.com/common/ssi/ShowDoc.wss?docURL=/common/ssi/rep_ca/6/877/ENUSZG18-0086/index.html&request_locale=en)

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### QUESTION 13

An existing POWER8 client is requesting redundant hardware, service, and basic virtualization management for their new POWER9 Enterprise server. Their Systems Architect has included one 7063CR1.

Which of the following provides redundancy?

- A. An existing 7042-CR8 with firmware at V8.
- B. An Integrated Virtualization Manager (IVM).
- C. An existing 7042-CR6 with firmware upgraded to V9.
- D. An HMC Virtual Appliance

Correct Answer: D

Reference: <http://shopdominustech.com/blog/wp-content/uploads/2018/10/redp5496.pdf>

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### QUESTION 14

A customer has a mission-critical IBM i application running on a POWER9 processor-based server that requires eight processor licenses. For High Availability, a POWER9 CBU server is synchronized with the production server using PowerHA for IBM i.

What is the minimum number of IBM i processor licenses required on the CBU server?

- A. 2
- B. 4
- C. 1
- D. 8

Correct Answer: C

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### QUESTION 15

Which of the following RAS features is always enabled and functional on a Power System E950 / E980, regardless of configuration?



- A. Dynamic Memory Sparing
- B. Processor Instruction Retry
- C. Dynamic Processor Sparing
- D. System auto-restart

Correct Answer: B

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