



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

IBM Power Systems Scale-Up Technical Sales

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#### QUESTION 1

Amongst which architectures can virtual machines be moved with Live Partition Mobility (LPM)?

- A. POWER9, POWER8, POWER7, POWER7+
- B. POWER9, POWER8, POWER7, POWER6
- C. POWER9, POWER8, POWER7, POWER6+
- D. POWER9, POWER8, POWER7+, POWER6+

Correct Answer: B

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#### QUESTION 2

Which capability is used to reallocate memory from one LPAR to another?

- A. Live Partition Mobility
- B. Active Memory Expansion
- C. Dynamic Logical Partitioning
- D. Active Memory Sharing

Correct Answer: C

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#### QUESTION 3

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 4



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A Technical Delivery Assessment (TDA), as part of the Solution Assurance is used to:

- A. aggressively complete against competition.
- B. resolve concerns about customer satisfaction.
- C. expedite shipment of a server.
- D. identify and assess risks.

Correct Answer: D

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#### QUESTION 5

Which Ethernet virtualization technique supports Live Partition Mobility on POWER9?

- A. vSwitch
- B. Standalone SR-IOV without VIOS
- C. Proxy ARP
- D. SEA

Correct Answer: A

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#### QUESTION 6

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 7

A customer wants to configure a Power System E950 with:

36 physical processor cores

24 active processor cores



- A partition running AIX with 8 virtual processors and 4.0 processor entitlement.
  - A partition running AIX with 12 virtual processors and 7.2 processor entitlement.
  - A partition running Linux with 8 virtual processors and 6.4 processor entitlement.
  - 2 partitions running VIOS, each with 4 virtual processors and 2.0 processor entitlement.
  - All partitions are uncapped.
  - All processors are in the default pool. No additional Shared Processor Pools are used.
- How many AIX licenses are required?

- A. 24
- B. 12
- C. 20
- D. 36

Correct Answer: B

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#### 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

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#### QUESTION 9

Which of the following statements is true regarding LPAR Mobility?

- A. An active AIX logical partition cannot be migrated from one server to another server by using the System Management Interface Tool (SMIT)
- B. An inactive logical partition may be migrated from one server to another server by using the Partition Migration wizard on HMC.



- C. The HMC command-line interface is required to migrate a Linux logical partition from one server to another server.
- D. A suspended logical partition cannot be migrated from one server to another server.

Correct Answer: B

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#### QUESTION 10

A customer's infrastructure is currently based on a Power System E870 managed by an HMC 7042-CR6 at V8.860 SW level. They are planning to upgrade their server to a new Power System E980.

Which of the following will enable the customer to connect an HMC to the Power System E980?

- A. Install vHMC on a partition on the Power System E980.
- B. Order a new Power-based HMC (7063-CR1).
- C. Upgrade the software on the existing HMC.
- D. Use the existing HMC at the current SW level.

Correct Answer: C

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#### QUESTION 11

A customer has a two node Power System E880 with EXP24S Disk Drawers and I/O Drawers used exclusively for dual VIOS local boot.

How can a Solutions Architect design a POWER9 solution to minimize the physical rack space with an upgrade to a Power System E980?

- A. Change the EXP24S to Mode 4 to allow consolidation to a single EXP24S.
- B. Upgrade the I/O Drawers with SAN boot capable Fibre Channel Adapters.
- C. Configure a single node Power System E980.
- D. Configure NVMe Flash Drives into the Power System E980 nodes.

Correct Answer: C

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#### QUESTION 12

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

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### QUESTION 13

A customer has used Trial Capacity on Demand on their Power System E980 for two months to test the effect of activating two additional cores and 32GB of additional memory for their SAP LPAR. Being satisfied with the test result, they bought a permanent activation of two cores and 32GB memory.

They now want to do another short test that requires the activation of one additional core.

Which option provides the most cost-effective solution?

- A. Use Static Activation.
- B. Use Utility Capacity on Demand.
- C. Use Trial Capacity on Demand again.
- D. Use Mobile Activation.

Correct Answer: B

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### QUESTION 14

Which of the following is a benefit of Power Enterprise Pools?

- A. Has no restrictions on where or how long cores and memory can be relocated.
- B. Provides automatic load balancing based on built in policies enabled in PowerVM.
- C. Can use a Scale-out system temporarily in certain conditions.
- D. Provides flexibility to manage both core and memory resources across multiple servers.

Correct Answer: D

Reference: [https://www.ibm.com/support/knowledgecenter/TI0003N/p8ha2/systempool\\_cod.htm](https://www.ibm.com/support/knowledgecenter/TI0003N/p8ha2/systempool_cod.htm)

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### QUESTION 15

A customer has older generations of Power System servers that they want to manage with their Power System E980 server from the same HMC running V9R1.910.

What is the oldest Power Systems generation that is supported with this HMC level?

- A. POWER6



B. POWER7

C. POWER7+

D. POWER8

Correct Answer: A

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