

# C9010-251<sup>Q&As</sup>

Power Systems with POWER8 Scale-out Technical Sales Skills V1

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## QUESTION 1

A customer would like to consolidate their five AIX servers to one S822 server, in a virtual environment with two VIO Servers for boot drives.

What is the minimum requirement?

- A. IVM
- B. ASMI
- C. PuTTY
- D. HMC

Correct Answer: D

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## QUESTION 2

Which technology provides dedicated virtual resources for virtual machines, improved quality of service and offloads I/O virtualization?

IOV (Single Root I/O Virtualization)

- A. SR-(Single Root I/O Virtualization)
- B. PowerVM
- C. FCoE (Fiber Channel over Ethernet)
- D. CAN (Converged Network Adapter)

Correct Answer: A

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## QUESTION 3

Which of the following statements is true regarding CAPI?

- A. CAP1 allows for adapters like FPGAs and GPUs to bypass the CPU and access the memory directly, allowing for faster data access and reduced CPU utilization
- B. CAPI enabled servers use general purpose accelerators that increase the processor clock without compromising stability and RAS.
- C. CAPI allows supported third party CPUs (Oracle, Intel, AMD, etc.) to be installed to speed up processing of specific workloads such as big data, compression or Java.
- D. CAPI is designed for High-Performance Computing only. Commercial workloads cannot benefit from CAPI acceleration

Correct Answer: A

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## QUESTION 4

Customers have a server using IVM as a logical partition management . They want to implement PowerVC.

Which PowerVC versions to meet the requirements ?

- A. PowerVC Entry
- B. PowerVC Express
- C. PowerVC Standard
- D. PowerUC Enterprise

Correct Answer: B

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## QUESTION 5

Which of the following is open source software that hosts the virtual machines on a KVM hypervisor?

- A. QEMU
- B. OPAL
- C. PHYP
- D. CAPI

Correct Answer: A

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## QUESTION 6

A customer with POWER8 processor-based systems needs an application server that supports environments from single server and medium-sized configurations, to large deployments requiring tier clustering over multiple application server instances.

Which IBM product family will satisfy the customer's requirements?

- A. Rational
- B. Web Sphere
- C. Information Management
- D. Cognos

Correct Answer: B

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## QUESTION 7

A large manufacturer wants to consolidate their existing AIX and Linux environments to POWER8. The customer has four AIX servers and twelve Ubuntu servers.

Which solution will satisfy the requirements?

- A. (1) S822L with Power KVM
- B. (1) S822 with Power VM and (1) S822L with Power KVM
- C. (1) S822L with Power VM
- D. (1) S822 with Power VM and Power KVM

Correct Answer: B

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### QUESTION 8

A customer is ordering a 4-core S814 with the following partitions. The default processor pool will be used.

An IBM i partition capped at 1.0 processors.

A second IBM i partition capped at 0.5 processors.

An AIX partition capped at 0.5 processors.

A Linux partition capped at 0.5 processors.

How many IBM i processor licenses are required to support this configuration?

- A. 3.0
- B. 2.0
- C. 1.0
- D. 4.0

Correct Answer: B

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### QUESTION 9

A customer has a SAN team that wants to be able to easily map each LUN to a specific WWPN on each client LPAR of a POWER8 server.

Which technology should be implemented to satisfy the requirement?

- A. NPIV
- B. vSCSI
- C. iSCSI
- D. SAS

Correct Answer: B

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## QUESTION 10

An AIX customer is running AIX 5.3 on a POWER7 machine and wants to run this workload on a POWER8 server without upgrading their operating system.

What is their best option to migrate their workload?

- A. Power HA failover
- B. Live Partition Mobility
- C. Power VC
- D. Versioned WPAR

Correct Answer: D

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## QUESTION 11

In which situation must all I/O be virtualized?

- A. When an IBM I partition is hosted by another IBM I partition.
- B. When a WPAR is hosted by an AIX 7 global environment.
- C. When using PowerVM Enterprise Edition with PowerHA Enterprise Edition.
- D. When an LPAR makes use of a Shared Storage Pool (SSP).

Correct Answer: A

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## QUESTION 12

A customer wants to consolidate AIX, Linux and IBM i workloads. They are also thinking about Analytic applications and a small-to-mid-size database.

Which of the following servers satisfies the customer's requirements?

- A. S822L
- B. S822
- C. S812
- D. S824

Correct Answer: D

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## QUESTION 13

What is the main function of the POWER8 CAPI feature?

- A. It improves memory bandwidth.
- B. It improves cache coherency.
- C. It increases the clock frequency speed.
- D. It connects auxiliary processors such as GPUs.

Correct Answer: D

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## QUESTION 14

A customer has 20 partitions on a POWER8 system and would like to allocate additional storage from their non-IBM SAN to each of the partitions. The cost of the licenses for the drivers and multipath software for all the partitions is higher than the current budget limits.

Which one of the following technologies will satisfy their requirement within their budget?

- A. SAS
- B. SSD
- C. NPIV
- D. vSCSI

Correct Answer: D

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## QUESTION 15

Which of the following are required in order to utilize Live Partition Mobility?

- A. Dedicated processors PowerVM Enterprise Edition Virtual Ethernet
- B. Dual VIO Servers PowerVM Enterprise Edition SAN attached disk two virtual processors
- C. PowerVM Enterprise Edition SAN attached disk Virtual Ethernet
- D. Dedicated processors Dual VIO Servers SAN attached disk Virtual Ethernet

Correct Answer: A

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