Vendor:IBM

Exam Code:C4040-251

Exam Name:POWER8 Scale-out Technical Sales
Skills V1

Version: Demo

QUESTION 1

A customer has a requirement for four partitions, each with 1TB of Storage They want to put a new S814 machine in. but only have 4U available in the rack.

Which POWER8 option accomplishes this?

A. Order a 6-core machine with the Expanded Function backplane with (18) SFF SAS 283GB drives, all the drives owned by VIO Server and then allocated to each partition.

B. Order a 6-core machine with the Split backplane, with each side having (4) 283GB drives for two partitions and two sets of EJ03 Disk Controllers each connected to a 5887 with (4) 283GB disks each for the other two partitions.

C. Order a4-core machine with the Expanded Function backplane with (10) SFF SAS 571GB drives, all the drives owned by VIO Server and then allocated to each partition.

D. Order a 4-core machine with the Split backplane with (18) SFF SAS 283GB drives, all the drives owned by VIO Server and then allocated to each partition.

Correct Answer: A

QUESTION 2

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

QUESTION 3

Which feature is recommended to move memory resources from one LPAR to another?

A. Dynamic LPAR operation

B. Active Memory Sharing

C. Active Memory Expansion

D. Live Partition Mobility

Correct Answer: A

QUESTION 4

Which of the following statements correctly describes a difference between the S814 and S824?

A. The S814 is a tower server and the S824 can be either a tower or rack mounted server

B. The S814 has one socket and the S824 has up to two sockets

C. The S814 can have one or two sockets and the S824 has four sockets.

D. The S814 uses 1U of rack space and the S824 uses 2U of rack space.

Correct Answer: B

QUESTION 5

Which of the following features are unique to PowerKVM ?

A. vTPM

B. SR-IOV

C. Support Ubuntu

D. Factory Integration Linux

Correct Answer: C

QUESTION 6

A customer will be consolidating a number of IBM i and AIX partitions from several older servers onto an existing S824 These partitions are parts of various operating groups within the customer and require connectivity to various private networks and network redundancy. The server utilizes SAN Storage and dual VIO Server partitions.

Which solution satisfies the customer\'s requirements?

A. Add two additional VIO Server partitions each with a quad port Ethernet card. Create an SEA in VIO Server to each port of the Ethernet card. Configure virtual Ethernet connections to the VIO Server partitions for each SEA with one flagged priority

B. Utilize two of the IBM i Partitions to bridge to the outside Attach a quad port Ethernet IOA to each partition and bridge the ports lo internal VLANs needed by the guest partitions.

C. Add two SR-IOV capable Ethernet adapters. Allocate each of them to the partitions and create the connections to the correct VLANs as needed.

D. In the existing VIO Server partitions, add a quad port Ethernet card. Create an SEA in VIOS to each port of the Ethernet card. Configure virtual Ethernet connections to the VIO Server partitions for each SEA with one flagged priority.

Correct Answer: A

QUESTION 7

A customer wants to move from an IBM Power 740 to an IBM Power S824. The 740 contains:

(4)

 disks in the CEC

(10)

 disks in a FC #5802 (I/O drawer with disks)

(24)

 disks in a EXP24S How many disks can be reused with the S824\\'?

(12)disks in a EXP12S

How many disks can be reused with the S824?

A. 14

B. 38

C. 28

D. 24

Correct Answer: D

QUESTION 8

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

QUESTION 9

A client needs to analyze data in motion in order to be able to respond to millions of events as they happen per second.

Which offering will satisfy their requirement?

A. IBM Info sphere Master Data Management

B. IBM Info sphere Big Insights

C. IBM Info sphere Clinical Analytics

D. IBM Info sphere Streams

Correct Answer: D

QUESTION 10

A customer wants to install a POWER8 tower system at a remote site. The system will run Red Hat Linux.

Which system is the best option for the requirement?

A. S812L

B. S822L

C. S824

D. S814

Correct Answer: D

QUESTION 11

Which technology provides virtual machine dedicated virtual resources, improve QoS, remove the I / O virtualization load ?

A. PowerVM

B. CNA (converged network adapters)

C. FCoE (Fiber Ethernet protocol run)

D. SR-IOV (single point of management I / O virtualization)

Correct Answer: D

QUESTION 12

A customer has two Power 570 servers that need to be replaced to accommodate company growth.

The first server runs a transactional workload with high server usage during the day (8am-8pm)

The second server runs analytic queries based on the transactional data during the night (10pm-6am).

A technical sizing analysis determined that each server would require (18) POWERS 3.52GHz cores and 160GB RAM, considering the needed growth.

What would be the most cost-efficient way to satisfy the customer needs?

A. (1) new Power S824 with 24 cores and 384GB and DLPAR CPU resources among LPARs

B. (1) new Power 770 with 36 active cores and 384GB active, virtualized with capped LPARs

C. (1) new Power S824 with 36 cores and 384GB, virtualized with capped LPARs.

D. (2) new Power S824 with 20 cores and 192GB RAM each.

Correct Answer: B

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