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QUESTION 1

Which IBM product is used to create, deploy, and manage virtual machines?

- A. PowerSC
- B. PowerVC
- C. PowerHA Enterprise Edition
- D. PowerVM Enterprise Edition

Correct Answer: B

QUESTION 2

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

QUESTION 3

A customer is interested in running many Linux workloads and they are comparing a single Power System E950 versus multiple LC922 servers.

An advantage of the Power System E950 is the ability to support:

- A. dual VIOS.
- B. either PowerVM or KVM.
- C. OPAL firmware.
- D. Power Enterprise Pools.

Correct Answer: B

QUESTION 4

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

QUESTION 5

What would improve overall utilization of physical memory resources by allowing a group partitions to use a pool of physical memory resources?

- A. Active Memory Sharing
- B. Active Memory Expansion
- C. Active Memory Mirroring
- D. Active Memory Deduplication

Correct Answer: A

Reference: <https://www-07.ibm.com/sg/manufacturing/pdf/STG/poweroffer/VM2.pdf> (3)

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

QUESTION 7

To improve response times for an OLAP application, a POWER9 customer requires a SAN-attached storage solution with microsecond latency and highest density per rack.

Which of the following supports these requirements?

- A. FlashSystem 900

- B. IBM ESS
- C. IBM Nutanix
- D. Storwize V7000

Correct Answer: A

QUESTION 8

A customer would like to add a second HMC to an environment which consists of multiple POWER8 and POWER9 processor-based systems.

Which of the following is a requirement for both HMCs to be able to manage all the systems?

- A. Both HMCs must be at the same version of HMC Code.
- B. Both HMCs must be on the same HMC VLAN.
- C. All the POWER8 processor-based systems must be at the same firmware level.
- D. Each HMC must be on a dedicated HMC VLAN.

Correct Answer: D

A switch can be partitioned to create a VLAN dedicated to HMC to managed server communication. If HMCs are configured as DHCP servers, there must be only one HMC on each VLAN! If dual HMCs are attached for redundancy, it is unwise to connect the HMCs to two VLANs in the same switch, because if the switch fails both HMCs lose connectivity, thereby defeating the HMC redundancy.

Reference: <https://www.ibm.com/developerworks/community/wikis/home/wiki/Power%20Systems/page/HMC%20reliable%20communication%20and%20doing%20without>

QUESTION 9

Which component of PowerSC monitors AIX systems, maintains security, and provides alerts when a change to the system violates a configuration policy?

- A. Trusted Logging
- B. Real Time Compliance
- C. Security and Compliance Automation
- D. Trusted Surveyor

Correct Answer: C

Reference: ftp://public.dhe.ibm.com/systems/power/community/aix/PowerVM_webinars/22_PowerSC_Overview.pdf

QUESTION 10

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

QUESTION 11

What POWER9 processor capability has been enhanced, relative to POWER8, to enable more efficient processor utilization in support of some applications?

- A. SMT8 Fused Core Optimization
- B. SMT16 Simulation Mode
- C. Direct Attached Memory Mode
- D. AltiVec Instruction set

Correct Answer: D

QUESTION 12

A customer has a 40 core Power System E980 and would like to use Mobile Capacity on Demand.

What is the minimum of static processor activations that are required?

- A. 10
- B. 12
- C. 20
- D. 8

Correct Answer: D

Reference: <https://www-01.ibm.com/common/ssi/cgi-bin/ssialias?htmlfid=899/ENUSLG180083andinfotype=ANandsubtype=CA>

QUESTION 13

An AIX customer is purchasing two new POWER9 processor-based servers: each connected to its own DS8880 at different sites. The customer wants high availability with the least amount of downtime.

Which solution will satisfy the customer's requirements?

- A. Combine PowerHA with DS8880 data replication capabilities for automated failover across the sites.
- B. Create dual VIOS on each POWER9 and double the total number of adapters in each machine.
- C. Use the DS8880 data replication capabilities to replicate the data across the sites. Configure PowerVM Live Partition Mobility for application availability.
- D. Use the DS8880 data replication capabilities to perform automated node failover across the sites.

Correct Answer: B

QUESTION 14

While migrating from a Power System E880 to a Power System E980, which of the following is automatically provided on both systems?

- A. PowerVM Standard Edition
- B. IBM Cloud PowerVC Manager
- C. PowerVM Enterprise Edition
- D. IBM Cloud Private

Correct Answer: B

QUESTION 15

A customer requires that each client partition have access to two different VLANs. VLAN tagging will NOT be used in the environment.

There will be four client partitions, each of which will be connected to VLAN1 and VLAN2.

There will be two VIOS.

Redundant Ethernet connections will be accomplished using the Shared Ethernet Adapter (SEA) and dual VIOS.

What is the minimum number of Ethernet ports that will be required in each VIOS?

- A. 8
- B. 4

C. 6

D. 2

Correct Answer: B

Reference: <https://www.ibm.com/developerworks/aix/tutorials/au-sea-config/index.html>

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