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QUESTION 1

A customer wants to virtualize their storage environment and would like to use NPIV.

Where will the storage mulltipathing software run?

- A. VIOS
- B. Storage controller
- C. Power Hypervisor D. Client LPAR

Correct Answer: A

Reference: https://books.google.com.pk/books?id=K7HEAgAAQBAJandpg=PA214andlpg=PA214anddq=IBM+power+systems+virtualize+their+storage+environment+and+would+like+to+use+NPIV.+Where+will+the+storage+mulltipathing+softwareandsource=blandots=UIZU925rJuandsig=7A6MSfq1wi89pP5iojQ6BoE67hkandhl=enandsa=Xandved=2ahUKEwi33u3su_beAhUS1xoKHZR4DzAQ6AEwA3oECAUQAQ#v=onepageandq=IBM%20power%20systems%20virtualize%20their%20storage%20environment%20and%20would%20like%20to%20use%20NPIV.%20Where%20will%20the%20storage%20mulltipathing%20softwareandf=false

QUESTION 2

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

QUESTION 3

Which technology allows for simultaneous network adapter sharing between LPARs using VIOS and LPARs with dedicated I/O?

- A. NPIV
- B. iSCSI
- C. RoCE
- D. SR-IOV

Correct Answer: D

Reference: https://www.google.com/url?sa=t&drct=j&ndq=and&src=s&source=web&andcd=2&andved=2ahUKEwjA_puYnPfeAhWp4YUKHWFAb8QFjABegQIBRAC&url=https%3A%2F%2Fwww.ibm.com%2Fdeveloperworks%2Fcommunity%2Fwikis%2Fform%2Fanonymous%2Fapi%2Fwiki%2F61ad9cf2-c6a3-4d2c-b779-61ff0266d32a%2Fpage%2F1cb956e8-4160-4bea-a956-e51490c2b920%2Fattachment%2Fa1593ad6-9bd8-4d79-9c46c31848863b99%2Fmedia%2FSR-IOV%2520Overview%2520and%2520Configuration_AIXVUG.pdf&usq=AOvVaw0S6laWeDrz8sZ9b__aOucj

QUESTION 4

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 5

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 6

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

QUESTION 7

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 8

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

QUESTION 9

A customer wants to transfer existing licenses for PowerHA from a Power System E880 to a new Power System E980.

What service, if any, will allow the customer to do this?

- A. Customers cannot transfer the PowerHA licenses
- B. Entitled Systems Support
- C. FLRT
- D. FixCentral

Correct Answer: B

QUESTION 10

A customer has four AIX VMs, each running a different application that needs simultaneous read/write access to the same files.

Which of the following products should be recommended?

- A. Power HA Enterprise Edition
- B. Spectrum Scale
- C. Spectrum Protect
- D. Power HA Standard Edition

Correct Answer: A

QUESTION 11

A customer with a Power System 770 and direct SAN I/O is planning a migration to a Power System E980. The Power System 770 has four 8Gb PCIe 2-port full-height Fibre Channel adapters with all storage going through the SAN. The customer wants to keep the same WWPNs, and avoid a SAN reconfiguration.

What procedure should be recommended?

- A. Order new HBAs, but keep using the existing, already configured SAN switches.
- B. Order a PCIe Gen3 I/O Expansion Drawer and relocate the HBAs into the drawer.
- C. Order new HBAs and modify the WWPNs in the ASMI.
- D. Move the HBAs from the Power 770 and install them into the Power System E980 system node.

Correct Answer: D

QUESTION 12

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 13

A customer has two POWER8 processor-based servers with eight partitions on each system. They are upgrading to two POWER9 processor-based servers and want to improve their application uptime during the upgrade/migration to the new servers.

What feature should they implement?

- A. Live Partition Mobility between servers
- B. Remote Recovery on both servers
- C. Active Memory Expansion on each server
- D. Memory Deduplication between servers

Correct Answer: C

QUESTION 14

What is L4 cache?

- A. Off-processor-chip buffering to provide faster main memory access in enterprise servers.
- B. Allows for Active Memory Expansion of the main memory in enterprise servers
- C. On-processor-chip buffering of GPU results
- D. On-processor-chip buffering between L3 and POWER9 processor cores

Correct Answer: D

Reference: <https://superuser.com/questions/1073937/what-does-l4-cache-hold-on-some-cpus>

QUESTION 15

Which of the following needs to be taken into consideration when designing an IBM Power System E980 solution?

- A. Each system node has eight PCI full-size Gen3 slots which are a mix of x8 and x16 PCIe slots.
- B. A DVD drive must be included in either the system control unit or in a system node.
- C. Redundant SAS controllers in each system node manage all six system node SAS bays.
- D. Only low profile PCIe adapters are supported in the system node.

Correct Answer: A

Reference: <https://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=ANandsubtype=CAandhtmlfid=877/ENUSZG18-0086andapname=lenovospainandlanguage=es>

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