C4040-250

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IBM C4040-250 Questions & Answers

Power Systems with POWER8 Sales Skills V1

Version: 8.6
IBM C4040-250 Exam

Topic 1, General Product Knowledge (26%)

Exam A

QUESTION 1
A customer has 40 Power 520 servers and is concerned about the ongoing operational cost, space, and high availability.

Which solution should be discussed in order to satisfy the requirements?

A. Purchase one S824 with PowerVM and PowerHA.
B. Purchase two S824 servers with PowerVM and PowerHA
C. Purchase one E870 with PowerVM and PowerHA.
D. Purchase four S812L servers with PowerVM and PowerHA

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference:http://www.redbooks.ibm.com/redpapers/pdfs/redp5097.pdf (page 19)

QUESTION 2
A customer asks why they should investigate Open Source solutions as opposed to single vendor proprietary solutions.

Which statement best summarizes the benefit of the solutions?

A. Open Source solutions are not susceptible to security flaws due to peer review process.
B. The open community develops to all operating systems standards.
C. Open Source solutions are certified to execute on all operating systems since they are developed in Java
D. The open community development model provides greater flexibility for application functional expansion.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation: we look to provide ongoing and increasing support for complex competency based curricular models, for clinical and experiential learning modalities, and provide ever greater flexibility for interprofessional education.

Reference:https://www.iliosproject.org/timeline

QUESTION 3
A POWERS customer with disk expansion drawers needs a non-disruptive solution to improve the disk performance at the lowest cost.

What should be proposed to satisfy the customer's requirement?

A. V7000 SAN Disk
B. 840 Flash Storage
C. DS5000 SAN Disk
D. SSD drives

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Reference: http://www-
05.ibm.com/cz/events/xtraining2012/prezentace/02_IBM_Storwize_V7000.pdf

QUESTION 4
A customer has a BladeCenter S (BCS) with an 8-core POWER6 blade, 1.5TB of storage and an external LTO tape drive installed. They want to
upgrade to a P0WER8.

Which of the following is the lowest cost recommendation to satisfy their requirement?

A. Flex System and POWER8 node
B. S824
C. POWER8 blade in the current BCS
D. S814

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Reference: http://www-03.ibm.com/systems/power/hardware/s824/

QUESTION 5
A credit card company is going to implement a new application for which security is a major requirement. The company has been quoted a solution
running in Windows.

Why should the company consider a Power Systems solution?

A. IBM has superior firewalls.

B. IBM AIX and IBM i have security check points that make it nearly impossible to be hacked.

C. Starting with POWER8 security is built into the processor.

D. PowerSC includes templates for PCI compliance

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Reference: http://www-03.ibm.com/press/us/en/pressrelease/43702.wss

QUESTION 6
A customer has 4U remaining in their rack. Adding a second rack is not an option. They will run a number of small instances of WebSphere Application Servers. It has been determined that the application will require a total of 38 cores and 1TB of memory.

What is the lowest cost Linux option that will satisfy the requirement?

A. Two S822s

B. Two S824s

C. One S824L

D. Two S812Ls

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Reference:
http://public.dhe.ibm.com/common/ssi/ecm/po/en/pod03097usen/POD03097USEN.PDF

QUESTION 7
Customers benefit from the OpenPOWER Foundation because:

A. OpenPOWER Foundation-developed solutions run on all POWER6, POWER7, and POWER8.

B. OpenPOWER-developed solutions by the Foundation are provided at no charge

C. OpenPOWER Foundation-development teams creating new solutions for Power architecture

D. OpenPOWER Foundation-developed solutions are all developed to utilize CAPI for optimal performance.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
IBM's POWER architecture is the cornerstone of innovation for the OpenPOWER Foundation, creating a computing platform available to all
Reference:

http://openpowerfoundation.org/press-releases/openpower-foundation-technology-leaders-unveil- hardware-solutions-to-deliver-new-server-alternatives/

QUESTION 8
A customer has an application that requires the following:

- 21 cores
- 24 by 7 operation
- High I/O bandwidth
- Lowest TCO

Which solution will satisfy the requirements?

A. TwoS822s

B. TwoS814s

C. TwoS824s

D. One E870 with two client partitions

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: http://www-03.ibm.com/systems/power/hardware/e870/specs.html

QUESTION 9
What is a competitive advantage of a Power System compared to an Oracle Exadata system?

A. Granularity of cores and memory

B. Integration of processors and storage

C. Availability of SSD drives

D. Number of available cores

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Reference: http://www.oracle.com/us/products/servers-storage/servers/x86/x4-2l-faq-2008606.pdf

QUESTION 10
You are proposing a PowerHA solution to your customer who wants installation assistance.

What resource can be proposed to perform the installation?

A. IBM Development team

B. Advanced Technical Support

C. Lab Services

D. Local Field Technical Sales Support

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Reference: http://www.redbooks.ibm.com/redbooks/pdfs/sg248167.pdf

QUESTION 11
A customer has an E870 installed in one location and is going to upgrade a Power 770 to an E870 in a second location

Which option describes whether a Technical Delivery Assessment (TDA) is required on the Power 770 to E870 upgrade?

A. A TDA is only required on the first POWER 770 to E870 upgrade at a customer location.

B. Since the customer already has an E870 installed in the enterprise, a TDA is not required.

C. A TDA is not required on a POWER 770 to E870 upgrade.

D. A TDA is required on all POWER 770 to E870 upgrades.

Correct Answer: D

Section: (none)
Explanation

Explanation/Reference:
Explanation: POWER7 processor-based servers, a TDA is required for the Power 770 and above.

Reference:

http://www-03.ibm.com/systems/power/hardware/770/

QUESTION 12
A department chain IT manager stated that their E870 processing requirements can experience unexpected short peaks throughout the day. They need to automatically activate cores and give them back when the processing requirements decrease. Which Capacity on Demand offering will satisfy the customer's requirements?

A. Capacity Upgrade on Demand
B. Utility
C. Trial
D. Elastic

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Utility Capacity on Demand
Utility CoD is used when you have unpredictable, short workload spikes.

Reference: http://www.unixmantra.com/2014/03/power-systems-capacity-on-demand-cod.html

QUESTION 13
Why is OpenPOWER strategically important for Power Systems customers?

A. To support IBM i solutions for hybrid clouds
B. To help integrate IBM Cloud with OpenStack for private cloud.
C. To collaborate with companies and develop new Power solutions
D. To enable community development of AIX and PowerVM.

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:
Explanation:

Reference:

http://www-03.ibm.com/systems/power/

QUESTION 14
What is a performance monitoring product that is available on the E880?

A. PowerSC
B. PowerVP
C. PowerVC
D. PowerVM

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
The dynamic pace of change that is encountered with today's virtualized environments and workloads require flexible infrastructure. This flexible infrastructure allows virtual workloads to be mobile and to dynamically contract and expand within the virtual data center as needed by the business. Performance is key to the benefit of this new flexibility introduced by server virtualization and cloud deployments which yields the benefits of consolidation, flexibility and reduction of risk.

The ability to manage and monitor the performance of both the virtualized workloads as well as the physical hardware mapping is critical. IBM PowerVPTM provides the performance intelligence to make key decisions in the virtualized infrastructure such as VM placement and exploitation of key server resources for optimized workload performance.

Reference:

http://www-03.ibm.com/systems/power/software/virtualization-management/

QUESTION 15
Which management function is provided by IBM Cloud Manager with OpenStack?

A. Resource pooling and dynamic VM placement
B. Ongoing optimization and VM resilience
C. Electronic Service Agent for proactive hardware reporting

D. End-user self-service provisioning and automation

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
IBM Cloud Manager with OpenStack, together with Platform Resource Scheduler, helps to reduce the total cost of ownership of the cloud by using infrastructure more efficiently, sharing resources between tenants, and automating tedious cloud management tasks. By continuously monitoring the cloud and taking actions as necessary to ensure that configurable policy objectives are being achieved, performance and availability remain optimal even as the topology of the cloud infrastructure and workloads inevitably change with time.

Reference:

http://www-
01.ibm.com/common/ssi/ShowDoc.wss?docURL=/common/ssi/rep_ca/7/897/ENUS214- 377/index.html&lang=en&request_locale=en

QUESTION 16
A customer has a requirement for analytics with structured and unstructured data. They want to use Open source products.

What will satisfy the requirement?

A. HortonWorks on a Linux on Power cluster
B. Veristorm on a Linux on Power cluster
C. Cloudera on a POWER8 IFL on an E870
D. Netezza on an S824

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
IBM Power Systems, built on the POWER8 processor and architecture, are specifically designed for optimum Big Data and cloud performance.

Combined with Veristorm Data HubTM (VDH), you can deploy a robust, open-source distribution of ApacheTM Hadoop® that is optimized for Linux on Power Systems. This combination brings you the best of both worlds: The innovation of the vibrant Hadoop ecosystem, and the performance and cost advantages of POWER8.

With Veristorm Data Hub, Hadoop on Power Systems, you can deliver self-service analytics with more intelligence, leveraging data volumes that exceed traditional systems.

Reference:
http://www.veristorm.com/sites/g/files/g960391/f/collateral/ds_VDHforPower_20150218b.pdf

QUESTION 17
A customer wants to run multiple workloads, and is considering an S824 or an E870.

Under which condition would the E870 be more appropriate?

A. If the customer needs hot plug PCIe adapters.
B. If the customer expects to grow beyond 2TB of memory and more than 24 cores.
C. If the customer needs to support more than 1TB of memory.
D. If the customer needs to run AIX, IBM i, and Linux using internal disk.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Reference:http://www.redbooks.ibm.com/redpapers/pdfs/redp5097.pdf

QUESTION 18
A customer has a fully virtualized scale out Linux environment with 25 x86 servers, each with 16 cores. You are proposing to move all Linux partitions to eight Power S824 servers, each with 24 cores.
What cost reduction should be included in the TCO documentation?

A. Linux patching
B. Partition monitoring
C. Application maintenance
D. Network infrastructure

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Hardware and software costs: costs associated with storage and network infrastructure; costs associated with server migrations; and costs associated with hardware and software for high availability and disaster recovery
Reference: https://www.vmware.com/pdf/TCO.pdf

QUESTION 19
A customer states that they requ.re N_ Port ID Virtualization (NPIV) for storage attachment. Which adapter will satisfy their requirement?

A. 4Gb Fibre Channel adapter
B. 8Gb Fibre Channel adapter
C. 40GbE Infiniband adapter
D. 12Gb Cache RAID SAS quad-port 6Gb adapter

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
The storage installed for this report was two 4 Gb Fibre Channel storage systems (a Sun ZFS Storage Appliance and a Sun Storage 6180 Array).

Reference: http://www.oracle.com/technetwork/server-storage/networking/o11-085-stor-net-cisco- fcoe-1914006.pdf

QUESTION 20
A customer wants to simplify virtualization management and specifically wants the ability to capture and deploy virtual images.

In addition to PowerVM, which software product will satisfy the requirement?

A. PowerVP
B. PowerKVM
C. PowerVC
D. PowerHA

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

IBM® PowerVC Virtualization Center is an advanced virtualization management offering, built on OpenStack, that provides simplified virtualization management for IBM AIX®, IBM i and Linux virtual machines (VMs) running on IBM Power SystemsTM Reference:http://www-03.ibm.com/systems/power/software/virtualization-management/

QUESTION 21

A customer with an AS/400 running S/36 code needs to migrate to a new P0WER8 system. They require a deskside solution.

Which solution will satisfy the customer's requirements?

A. S812L running IBM i 6.2
B. S814 running IBM i 7.1
C. S822 running IBM i 7.2
D. S814 running IBM i 6.1

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
S814 is deskside solution and with IBM I 7.1 it can execute S/36 code: http://www-03.ibm.com/systems/power/hardware/s814/specs.html

QUESTION 22
A client is looking for a high availability solution for their existing Power environment. They have two locations, each with an E870 and DS8800.

What solution provides the best TCO?

A. IBM PowerHA
B. Vision Solutions MIMIX
C. IBM PowerVP
D. IBM Tivoli Manager for HA

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference:
http://www.rocketsoftware.com/sites/default/files/resource_files/IBM%20Systems%20iCluster%20 Solution%20Brief.pdf?flag=meta&product=rocket-icluster-business-continuity- software&family=rocket-icluster&solution=archive-and-backup- management&resourcetype=datasheet&resourcebn=rocket-software-and-ibm-i-solution-editions- protect-data-and-complement-powerha&resourcefbn=IBM%20Systems%20iCluster%20Solution%20Brief.pdf (see highlights, second last bullet)

QUESTION 23
An application has a high availability requirement and is implemented with two local partitioned POWER8 servers and one remote partitioned POWER8 server. One local server runs production and replicates data to the backup local server. The backup local server replicates data to backup remote

server.

What is the minimum number of HMCs required to support the sites?

A. 4
B. 2
C. 3
D. 1

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
You need 2 HMCs for backup local server to replicate data to backup remote server. Reference: http://www.redbooks.ibm.com/redpapers/pdfs/redp5102.pdf

QUESTION 24
A customer needs to support an HPC cluster, and needs the maximum number of cores in a standard 19 inch rack. The customer can run either AIX or Linux.

Which POWER8 server best satisfies the requirement?

A. S824
B. S822
C. S822L
D. S824L

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
The Power S822 is designed to mount in the 36U 7014-T00 (#0551), the 42U 7014-T42 (#0553), or the IBM 42U Slim Rack (7965-94Y) racks. These racks are built to the 19-inch EIA 310D standard.
Reference:

http://www.redbooks.ibm.com/redbooks/pdfs/sg248171.pdf

QUESTION 25
A customer has a 6TB database that needs a very high performance solution at the lowest cost.

Which system is the more cost effective solution?

A. The S824 with attached FlashSystem 840.
B. The S824 with integrated SSDs and V5000.
C. An E870 with internal disk drives and SSDs.
D. The S824 with internal disk drives and SSDs with Easy Tier.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Reference:

http://www.slideshare.net/JuanRebes/ideal-storage-for-ibm-power-systems

QUESTION 26
What is a limitation of the 4-core S814 model once installed?

Inability to change the:

A. disk controller from non-cache to cache
B. operating system from AIX to Linux.
C. attached tape drive from LTO-5 to LTO-6.
D. rack mount to deskside covers

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference: http://www-03.ibm.com/systems/power/hardware/s814/specs.html

QUESTION 27
Which resource is used to determine if an adapter can move from the 570 to the S824?

A. Workload Estimator

B. Sales Manual

C. Alinean Tool

D. Fix Central

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

The sales manual provides details and resource that can help determine if the technican can move an adapter on 570 to IBM S824. The compatibility matrix helps in determining the choice and the transfer of hardware from one model to another.

Reference:

http://www-
01.ibm.com/common/ssi/ShowDoc.wss?docURL=/common/ssi/rep_sm/2/760/ENUS8286- _h02/index.html&lang=en&request_locale=en

QUESTION 28
A client running Oracle databases is considering a Power solution. They want the highest level of reliability, performance, and support.

Which operating system on Power should be recommended?

A. Red Hat

B. IBMi

C. AIX

D. SUSE

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Businesses today need to maximize the return on investment in information technology. Their IT infrastructure should have the flexibility to quickly adjust to changing business computing requirements and scale to handle ever expanding workloads--without adding complexity. But just providing flexibility and performance isn't enough; the IT infrastructure also needs to provide rock- solid security and near-continuous availability and while managing energy and cooling costs.

These are just some of the reasons why more and more businesses are choosing the AIX operating system (OS) running on IBM systems designed with Power Architecture® technology. With its proven scalability, advanced virtualization, security, manageability and reliability features, the AIX OS is

an excellent choice for building an IT infrastructure. And, AIX is the only operating system that leverages decades of IBM technology innovation designed to provide the highest level of performance and reliability of any UNIX operating system. Reference: http://www-03.ibm.com/systems/power/software/aix/v71/

QUESTION 29
A customer plans to implement a web-based solution that requires 34 Power cores. They want to acquire a POWER8 solution with the best TCA.

Assuming all other configuration requirements are equal, which solution provides the best TCA?

A. OneE870
B. TwoS824s
C. Three S814s
D. OneS822

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Reference: http://ibm.azlan.nl/html/stream_file.php?key=885tgf2sx

QUESTION 30
What P0WER8 availability feature is unique to the E870 and E880 models?

A. Redundant service processors
B. Hot swap I/O adapters
C. First failure data capture
D. PowerVM Live Partition Mobility

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
The system control unit provides redundant system master clocks and redundant system master service processors (FSPs). Additionally, it contains the Operator Panel, the System VPD, and the Base DVD.
Reference:http://www-01.ibm.com/common/ssi/cgi-
bin/ssialias?infotype=an&subtype=ca&appname=gpateam&supplier=877&letternum=ENUSZG14-

QUESTION 31
A customer is concerned about Power Systems security in a virtualized environment. They want real time monitoring and a trusted firewall between LPARs.

Which IBM product should be proposed?

A. PowerVM
B. PowerSC
C. Tivoli Security Policy Manager
D. IBM Security Access Manager for Enterprise Single Sign-On

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
PowerSC pass packets securely between LPARs without an external firewall.
Reference:
ftp://public.dhe.ibm.com/systems/power/community/aix/Switzerland_VUG/7_PowerSC_Overview.p df (page 1)

QUESTION 32
In addition to one System Node, what is (are) the minimum E880 hardware feature(s)?

A. One System Control Unit and two I/O drawers
B. One System Control Unit
C. One I/O drawer r
D. Two I/O drawers and one disk expansion drawer

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:
The IBM Power System E880 with POWER8 system node uses 8-core symmetric multiprocessing (SMP) processor chips with 512 KB of L2 and 8 MB of L3 cache per core, DDR3 CDIMM memory, dual memory controllers, and an industry-standard Gen3 PCIe I/O bus designed to use 32 lanes organized in two sets of x16. The peak memory and I/O bandwidths per system node have increased over 300% compared to POWER7+TM servers. The two primary system building blocks are one system control unit and one or more system nodes. Additional I/O support is provided with a 19-inch PCIe Gen3 I/O expansion drawer and an EXP24S SFF Gen2 expansion drawer. The processors, memory, and base I/O are packaged within the

system nodes. The system nodes are rack based.

New POWER8 processor single chip modules (SCM) are provided in each system node. Processors are interconnected by two sets of system buses. Each SCM contains two memory controllers per processor module. Four 4.35 GHz 8-core SCMs are used in each system node, providing 32 cores (#EPBB). As few as eight cores in the system can be activated or up to 100% of the cores in the system can be activated. Incrementing one core at a time is available through built-in capacity on demand (CoD) functions to the full capacity of the system.

The Power E880 can have up to four system nodes per system. With 32-core nodes, the maximum is a 128-core system. In 2014, up to two system nodes per server are supported or a maximum of 64 cores.

The system control unit provides redundant system master clocks and redundant system master service processors (FSPs). Additionally, it contains the Operator Panel, the System VPD, and the Base DVD.

Reference:

http://www-01.ibm.com/common/ssi/cgi-
bin/ssialias?infotype=an&subtype=ca&appname=gpateam&supplier=877&letternum=ENUSZG14-

QUESTION 33
A customer is considering the purchase of three IBM POWER8 Scale-out systems to run their AIX and IBM i applications. Their main concern is application uptime.
What feature of the POWER8 Scale-out systems should the IBM reseller discuss?

A. RAS features eliminate disk and memory failures
B. Live Partition Mobility
C. PowerVC
D. Hot swap memory and cores

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Demands for system uptime have consistently risen over the years, and while technology features such as high availability have largely minimized unplanned downtime, servers still have to come down for routine maintenance to keep operations running smoothly. This is one of the key benefits of Live Partition Mobility for IBM i, which allows IT to migrate a partition from one physical machine to another.

QUESTION 34
A customer is evaluating POWER8 and competitive servers to run multiple workloads in a dynamic environment.

What should be emphasized in the Executive Summary of a proposal?

A. Energy consumption report details

B. Faster processors reduce software licensing expenses

C. Ability to run AIX. LINUX, and IBM i applications concurrently.

D. Acquisition cost details

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:
If the customer is looking for multiple workloads being run in a dynamic environment, you can emphasize the ability of Power8 to run AIX, Linux and IBM I application concurrently.

QUESTION 35
A customer believes that virtualized x86 solutions offer a lower TCA than Power solutions.

Which of the following Power solutions generally has the lowest TCA?

A. S824

B. S824L

C. S812L

D. S822

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference:
https://www.ibm.com/developerworks/community/wikis/form/anonymous/api/wiki/61ad9cf2-c6a3- 4d2c-b779-61ff0266d32a/page/1cb956e8-4160-4bea-a956-e51490c2b920/attachment/cb2d4737- e8f5-4f96-9a74-71573b34b96d/media/VUG%20Why%20POWER8%20is%20the%20platform%20of%20choice%2 0for%20Linux%20v1.4%20CLEAN.pdf

QUESTION 36
Which feature is available on POWER8 Scale-out systems?

A. Solid-State disk drives

B. Redundant service processors

C. Processor Capacity on Demand

D. Memory Capacity on Demand

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation: http://ibm.also.ch/fileadmin/Dateien/pdf/power8/POWER8_- _Deep_Dive_30042014.pdf (page 79)

QUESTION 37
OpenPOWER Foundation is developing solutions for which environment(s)?

A. AIX and Linux
B. AIX, IBM i, and Linux
C. Linux only
D. AIX only

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation: IBM OPENPOWER foundation develops solutions for open source environments. IBM I and AIX are propriety operating systems whereas Linux is open source.

QUESTION 38
Due to new regulatory requirements, a Power Systems customer must set up a disaster recovery site in a geographical location at least 120 miles (194 km) away from the main site.

What is the minimum PowerHA solution that should be proposed?

A. Enterprise Edition
B. Standard Edition
C. Geographical Edition
D. Express Edition

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

Explanation: The PowerHA SystemMirror for i Enterprise Edition includes all of the capabilities of the Standard Edition and more. The Enterprise Edition package enables you to extend your data center solution across two sites. PowerHA SystemMirror Enterprise Edition includes support for DS8000, SVC, V7000, V5000 and V3700 with either Metro Mirror or Global Mirror and with 7.1 of PowerHA SystemMirror, the Enterprise Edition also includes support for geomirroring asynchronous mode. Geomirroring synchronous mode support is included with the PowerHA SystemMirror Standard Edition.

QUESTION 39
Which POWER8 feature is available only on E870 and E880 models?

A. Enterprise Pools
B. Concurrent firmware updates
C. Dual HMCs
D. Hot Swap PCIe adapters

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation: Each Power E870 or Power E880 system node provides eight half-length, half-high x16 PCIe Gen3 slots. These PCIe slots can be used for either low profile PCIe adapters or for attaching a PCIe I/O drawer.

A new form factor blind swap cassette (BSC) is used to house the low profile adapters, which go into these slots. All PCIe slots are hot swappable and support concurrent maintenance.

Reference: http://www.redbooks.ibm.com/redpapers/pdfs/redp5137.pdf

QUESTION 40
Which product enables cloud functionality and is included in the AIX Enterprise Edition at no additional cost?

A. IBM Cloud Orchestrator
B. WebSphere
C. IBM Cloud Manager with OpenStack
D. Cloud Network Security

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation: IBM SmartCloud Orchestrator includes services contract for IBM Implementation Services for Power Systems AIX® V6.1 and IBM Migration Services for Power Systems AIX V6.1.

Reference: http://www-01.ibm.com/common/ssi/cgi-
bin/ssialias?infotype=an&subtype=ca&appname=gpateam&supplier=897&letternum=ENUS213-

QUESTION 41
Which RAS feature is available only on Power Enterprise Systems?

A. Dual FSPs (Flexible Service Processor)
B. Chipkill memory
C. FFDC (First Failure Data Capture)
D. ECC memory

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference:
http://www.ibmsystemsmag.com/power/businessstrategy/competitiveadvantage/power_vs_intel/?p age=3

QUESTION 42
A customer wants to replace their existing x86 server farm running Domino, Websphere Application Server, file serving, print serving, Cognos and DB2 database.

Which Operating System offers an integrated solution to satisfy the customer's requirements?

A. Red Hat
B. SUSE
C. IBM i
D. AIX

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation: IBM i operating system can support Domino, Websphere, file serving, print serving, Cognos and DB2 database. Since it is an IBM operating system, it can easily run all the required IBM products efficiently.

QUESTION 43
What elements of POWER8 technology can be exploited by software developers to optimize performance on an E870?

A. Active Memory Expansion and storage keys
B. Hypervisor and Thermal Power Management Device (TPMD)
C. First Failure Data Capture (FFDC) and Service processor
D. Transactional memory and SMT

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Topic 2, Competition (11%)

QUESTION 44
A customer is running an Oracle database on Solaris and needs to replace their systems. They are considering offerings from both Oracle and IBM. Oracle is leading with M5.

What advantage should the IBM reseller discuss to demonstrate the value of POWER8?

A. Total cores on a single systems
B. License cost per core
C. Number of threads per core
D. Core performance

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Reference: http://www.oracle.com/us/products/servers-storage/solaris/solaris11/solaris-sparc-final- 5-1931785.pdf

QUESTION 45
An installed HP Superdome / Oracle database customer is consider migrating to POWER8. The customer has significant financial concerns because of the multiple partitions and high Oracle licensing cost of their HP solution.

What features / capability of POWER8 should be discussed with this customer?

A. Processor pooling and high performance cores

B. PowerVP and PowerSC
C. CUoD and CAPI
D. Shared Storage and Processor roadmap

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Reference:

http://www-05.ibm.com/cz/events/febannouncement2012/pdf/power_architecture.pdf

QUESTION 46
In a competitive situation, a customer wants to compare virtualization capabilities of POWER8 systems and x86 systems.

Which response describes a competitive advantage of PowerVM compared to VMware?

A. PowerVM runs in a secure address space while VMware runs in application state
B. PowerVM can run dual VIO servers to provide higher availability
C. PowerVMprovide higher system utilization because it is implemented in the processor logic.
D. PowerVM has the ability to virtualize memory while VMware does not.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
https://www.ibm.com/developerworks/aix/library/au-aixhpvirtualization/

QUESTION 47
As a virtualization host, what is an advantage of VIOS compared to IBM i?

A. Virtual SCSI
B. Virtual Ethernet
C. Dual (redundant) management partitions
D. V3700 external disk virtualization

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Reference:
http://www-03.ibm.com/systems/resources/systems_i_Virtualization_Open_Storage.pdf

QUESTION 48
IBM is competing with Cisco for a large Oracle database opportunity.

What advantage of POWER8 systems should an IBM Power reseller emphasize?

A. They can be virtualized.
B. They are managed by a single pane of glass.
C. They run Linux.
D. They offer greater scalability.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Reference:

http://www-
01.ibm.com/common/ssi/ShowDoc.wss?docURL=/common/ssi/rep_ca/7/897/ENUS214- 377/index.html&lang=en&request_locale=en

QUESTION 49
An IT manager has several P0WER5 servers and wants to consolidate them into a new P0WER8 server. The CFO (Chief Financial Officer) is asking for a financial justification for the project.

Which resource can be used to provide a rapid high-level financial data overview?

A. IBM Global Financing
B. Scorpion study
C. Alineantool
D. Eagle study

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Reference: http://expertintegratedsystemsblog.com/2012/07/alinean-tool-get-an-accurate-picture- of-the-benefits-of-expert-integrated-systems/
#sthash.9yaC7Epj.dpuf

QUESTION 50
A customer is running a large application on x86 Linux with an Oracle Enterprise database.

Which of the following can be used to financially justify migrating the application to POWER8 and DB2?

A. POWER8 requires fewer cores to run the same workload.
B. POWER8 Active Memory Expansion reduces the cost of memory.
C. POWER8 cores exploit SMT6.
D. POWER8 hardware and software maintenance costs are lower.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Comparing performance, the 740D 3.6ghz 16 core is rated at 197.7 rPerf (SMT4) whereas the S822 3.89ghz 12 core is rated at 220.1 rPerf (SMT4) or 235.6 rPerf (SMT8).

So you can get 11 to 19 percent more performance, more memory, more disk bays and PCIe slots for about 40 percent less cost. Another point to note is that the memory and I/O bandwidth for the POWER8 servers (scale out and enterprise) is significantly higher than all of the previous architectures. And there are additional follow-on savings for software licensing--for our 740D versus S822, we need four fewer cores on the POWER8, which allows for additional savings on software licensing.
Reference:http://www.ibmsystemsmag.com/linuxonpower/Trends/What-s-New/power8-time-is- now/

QUESTION 51
A customer needs to purchase a server to run their large Tivoli Storage Manager environment What POWER8 capability should they consider compared to an x86 solution?

A. Dual FSPs ensure system availability
B. Active Memory Expansion

C. Chipkill memory reduces program errors

D. Higher system bandwidth

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Large Tivoli storage manager requires higher system bandwidth for data transmission. IBM Power8 is the best processor to utilize the technology and provide higher system bandwidth compared to x86 solution.

QUESTION 52
What is an advantage of the POWER8 Scale-out systems compared to a competitive Oracle T5 offering?

A. The option to run SUSE Linux.

B. The ability to connect to a SAN.

C. The ability to support internal drives.

D. The option to run multiple partitions.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation: Power8 Scale-out systems support internal drives whereas Oracle T5 supports only external drives and SAN.

QUESTION 53
An existing IBM customer explains they cannot consider POWER8 because they have a small application that requires AIX 5.2.
Which of the following capabilities will allow that application to run on a POWER8 server?

A. Little Endian support will allow AIX 5.2 to run on any POWER8 server.

B. Versioned Workload Partitions (WPARs) for AIX 7.1 EE can allow workloads dependent on AIX 5.2 to run on POWER8.

C. Logical Partitions (LPARs) enable different versions of AIX to run simultaneously on one POWER8 system.

D. AIX binary compatibility allows applications created on earlier releases of AIX to run unchanged and without recompilation on POWER8.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Support for little endian mode in the POWER8 processor enables a new generation of applications. While I plan to devote future blog entries to this topic, let me take a moment to address some basic facts about the technology. First, the traditional POWER operating systems (AIX, and IBM i) are big endian and will continue to run as such on POWER8 and future systems. Second, Linux operating systems over time will be migrating from being big endian to little endian in an organized way that by no means compromises the support cycles for their existing releases. Third, as little endian operating systems come to market, a new little endian application ecosystem will grow. Given that most applications today support one or more little endian operating systems (Windows or x86 Linux) and at least one big endian operating system (Linux on Power, AIX, or z/OS), this ecosystem should grow quickly. Finally, little endian mode on POWER8 is not a magic bullet: compiled x86 Linux applications will still require a recompile at a minimum because the x86 and Power instruction set architectures are still different. With this new support, Power will simplify on step in the porting process for new applications, but to develop the whole ecosystem will take time.

Reference: https://www.ibm.com/developerworks/community/blogs/fe313521-2e95-46f2-817d- 44a4f27eba32/entry/power8_propels_power_systems_into_the_future?lang=en

QUESTION 54
A customer with AIX and IBM i based applications is considering a move to open source Linux applications on x86 systems.

Which benefit should be highlighted for the customer to stay with the Power platform?

A. The Power Linux system is more powerful and will cost less than the x86 systems, thereby saving costs.
B. The Power system they are running on can support the existing applications and the new Linux applications at the same time.
C. The Power system uses Lx86 allowing Linux to run unchanged on Power.
D. The customer can recompile the AIX and IBM i applications and continue with Linux on their existing Power System.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation: PowerVM Lx86 (Linux only) brings new benefits to customers and application providers who want the reliability and flexibility of Power Systems in their Linux environment, yet use applications that have not yet been ported to the platform. IBM PowerVM Lx86 allows most Linux x86 binaries to run unchanged on POWER systems using translation software that translates x86.

QUESTION 55
A customer has many x86 systems running Linux and has run out of server rack space.

Which statement indicates how a Power Systems provides a solution to resolve the space issue?

A. Power rack systems are 2U and 4U and have a much smaller footprint than x86 systems.
B. Power rack systems are four sockets and therefore can reduce the space requirements by two times.

C. Higher performance means fewer servers for same workload.

D. Lower energy consumption means less HVAC and therefore increases available datacenter space.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 56
How does POWER8 technology contribute to lower TCO?

A. Software licensing and with Capacity on Demand allows software to be licensed to the lowest core count.

B. Higher performance cores reduces software licensing.

C. RAS features mean the cost of failover systems can be eliminated.

D. The lower energy usage of Power Systems can reduce 20% of systems costs.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 57
A customer has a quote for running an Oracle database on a HP Itanium server.

What POWER8 competitive advantage should an IBM reseller discuss?

A. Oracle no longer supports Itanium on Oracle's latest versions of their database.

B. HP Itanium only supports Oracle database with Windows.

C. The Oracle database cost has a multiplier of .5 on POWER8.

D. POWER8 requires fewer cores resulting in fewer Oracle licenses.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 58
A customer is running an application that is licensed per core.

What advantage does POWER8 have compared to x86 that could lower software costs?

A. Memory performance
B. Bandwidth performance
C. Processor performance
D. I/O performance

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation: Power8 unique processor features provide lower software costs compared to x86 processor infrastructure.

Topic 3, Value Proposition (29%)

QUESTION 59
When implementing a 40TB NoSQL in-memory database on an x86 platform, a customer needs 24 servers. The same database requirement can be satisfied on POWER with a CAPI connected FlashSystem 840.

How many Power S822L(s) is (are) needed?

A. 8
B. 16
C. 24
D. 1

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Reference: http://www-03.ibm.com/systems/power/hardware/s812l-s822l/specs.html

QUESTION 60

What is a major differentiator with the IBM Solution for Hadoop - Power Systems Edition, compared to Hadoop on x86?

A. The IBM solution provides fixed configurations for hardware and software for easy deployment.
B. The IBM solution uses MapReduce for scalability to thousands of servers.
C. The IBM solution uses SSDs and faster interconnects.
D. IBM hardware and software components are customizable for best price/performance

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Advanced technology for performance and robustness. The hardware and software components in this infrastructure are customizable to allow the best performance or the best price/performance ratio.

Reference:

http://www-03.ibm.com/systems/power/solutions/bigdata-analytics/hadoop/

QUESTION 61
A client wants a proposal for a POWER8 server to support deployment of a new mobile application. What information is most valuable to configure the new server?

A. Programming language
B. Types of mobile devices
C. Expected transaction volume
D. Security requirements

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 62
A customer needing an analytics solution is comparing POWER8 with x86 servers for their infrastructure.

What makes Power Systems a better value than the x86solution?

A. More supported analytic solutions providing more choices

B. Higher performance and faster response times

C. Greater storage capacity with encrypted data.

D. Stronger encryption capabilities and proprietary analytics algorithms

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
X86 solutions cannot provide high performance and faster response times during to their architecture. Power8 processor is much faster and provide consistent performance throughout the service lifecycle.

QUESTION 63
A customer wants to run an Oracle application that is available for POWER8 and other competitive platforms. The Oracle application is licensed per core.

Which POWER8 processor advantage provides a competitive TCO advantage?

A. Processor Instruction Retry

B. 8 cores per processor

C. Level 3 memory cache

D. Core performance

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation: POWER8 processing cores2 are the fastest in the industry for Enterprise Java workloads. It has 2x more performance per core than Intel E5-2697 v2 offerings and 1.77x more performance per core than Oracle T5-2 offerings.
Reference: https://www-950.ibm.com/events/wwe/impact/impact2014cms.nsf/download/k7e19cd561ad41ad4145c4e50051 /$FILE/Impact2014_3407.pdf

QUESTION 64
What is the PVU value for an IBM two socket Scale-out system?

A. 120 PVUs per system

B. 70 PVUs per core

C. 100 PVUs per socket

D. 50 PVUs per processor

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation: You need 70 PVUs per core for a two socket scale-out system.
Reference: https://www-
950.ibm.com/events/wwe/grp/grp019.nsf/vLookupPDFs/Vortrag%204%20L%C3%B6sungen%20f %C3%BCr%20Linux%20on%20Power%202/$file/
Vortrag%204%20L%C3%B6sungen%20f%C3% BCr%20Linux%20on%20Power%202.pdf (page 7)

QUESTION 65
A customer needs a 4-core S814 server with 1TB of available disk space to run an ERP application. Which disk storage technology meets the requirements?

A. Flash

B. SAN

C. Internal hard disk

D. Internal Solid-State disk

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Reference: http://www-03.ibm.com/systems/power/hardware/scale-out.html

QUESTION 66
Which IBM resource is devised to help with the design and installation of a Power Systems SmartCloud solution?

A. Redbook Planning Guides

B. Local Field Technical Sales Support

C. Lab Services

D. Advanced Technical Support

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation: Redbook planning guides are a huge resource which provides designing and installation guidelines for various IBM products including but not limited to Power systems SmartCloud solutions and host of other solutions.

QUESTION 67
What resource should be used to assemble the sales material for a competitive opportunity?

A. Knowledge Center
B. ibm.com
C. InfoCenter
D. FindIt

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

FindIt ends the problem of matching sources to objects in a busy production environment. FindIt locates sources or objects on a single AS/400 (System i) or across a network of many AS/400 systems, and lets you instantly match the correct version of a source against that live object. On a command line simply enter FIND followed by the name of the source member, and FindIt displays a complete list of all versions of that source, showing where the source is located, giving source files, libraries and iSeries systems.

QUESTION 68
Which customer requirement would lead to a proposal of a 6-core S814 instead of a 4-core S814 server?

A. Large cache disk controllers
B. Fibre attached disk
C. 96GB memory
D. High speed Ethernet adapters

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation: IBM S814 (6-core) has 18 Drive backplane with Dual raid controllers with a nice level of cache. Can attach say at EXP24S and fill the 18 internal slots

QUESTION 69
A customer asks why they might be interested in open source developed software.

Which statement accurately describes the benefit?

A. Open Source provides binary compatibility applications with AIX.
B. Open Source projects share the same terms and conditions.
C. Open Source uses the community development model.
D. Open Source code is free of security issues.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation: Open source software is a community driven effort that uses expertise of various individuals and get evolved in to a robust and secure environment safe for applications and usage.

QUESTION 70
A prospective IBM POWER8 customer is worried about the longevity of RISC processors.

Which response should help the customer be less concerned about their investment in a Power System?

A. With IBM's support for Little Endian, AIX and IBM i will run on x86.
B. Even if POWER is discontinued, all IBM applications and middleware have been ported to Linux.
C. IBM has guaranteed the OpenPOWER Foundation that IBM will continue POWER chip development for the next 10 years.
D. The IBM OS and Power technology roadmaps emphasize IBM's technology commitment.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation: http://www-03.ibm.com/systems/power/software/i/strategy.html

QUESTION 71
An existing POWER8 customer with an E870 recently acquired a small company with an x86 Linux server running a scripting Java application. They would like to run that application on their E870, but are concerned about the porting effort.

How should the salesperson respond?

A. Well-written Linux on x86 applications written in scripting Java or most interpretive languages will run as is, with no changes.
   "Leading the way in IT Testing & Certification Tools" - www.testking.com 46 IBM C4040-250 Exam
B. IBM Bluemix is a Platform as a Service (PaaS) offering that creates a hybrid OpenStack environment of AIX, IBM i and Linux.
C. POWER8 systems come with Nvidia coprocessors designed specifically to run most x86 Linux applications in their native modes.
D. PowerKVM is an open-source virtualization solution designed to run Linux-only applications written in C++ and Java applications from x86.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation: IBM reports that 100 percent of hardware-agnostic Linux on x86 applications written in scripting (e.g., Java) or interpretive languages (e.g., PHP, Phyton, Perl, Ruby, etc.) will run as is with no changes.

QUESTION 72
A customer running Linux with VMware on their x86 systems wants to add an S822L into the environment using a consistent virtualization technology.

How can a Power option satisfy the requirement?

A. Implement PowerVM and VMware since the functionality and management interface are shared.
B. Implement Kimchi as the management interface to support both environments.
C. Convert VMware to PowerVM on the x86 systems for consistency with the Power Systems.
D. Implement the appropriate KVM base version on the Power and x86 systems.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation: You can implement KVM base version on Power and x86 systems.

QUESTION 73
The executive summary of a proposal should:

A. present the TCO of the proposal with financial details.
B. contrast the Power solution to the competitive offerings.
C. state an overview of all of the elements of the proposal.
D. provide the primary business objectives of the RFP.

Correct Answer: C

Section: (none)
Explanation

Explanation/Reference:
Explanation: According to IBM, the executive summary of a proposal should have an overview of all the elements of the proposal.

QUESTION 74
A retail customer has variable processing requirements. The processor and memory requirements are not constant and represent a significant cost element of the E870.

What feature should be presented to provide a solution for this situation?

A. Active Memory Expansion
B. PowerVM
C. Capacity on Demand
D. Active Memory Sharing

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Topic 4, High Level Solution Design (34%)

QUESTION 75
What is an advantage of a P0WER8 system compared to an x86 solution?

A. Supports PCIe Gen
B. More cores per socket
C. Lower PVU cost
D. Greater memory bandwidth

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Reference:https://www.google.com.pk/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&ua ct=8&ved=0CBsQFjAA&url=https%3A%2F% 2Fwww.ibm.com%2Fdeveloperworks%2Fcommunity %2Fwikis%2Fform%2Fanonymous%2Fapi%2Fwiki%2F61ad9cf2-c6a3-4d2c-b779- 61ff0266d32a %2Fpage%2Ff1abe75a-a2b2-43dd-9d75- 7dae28f5bc5f%2Fattachment%2F3d574a4b-b414-42c8-85b0-f941115d569f%2Fmedia%2F2014- 06%2520Power%25208%2520Servers% 2520June.pdf&ei=17loVa6GLYHkUISHgcAH&usg=AFQj CNGIgaigZjc7XddWybzRsEyNtcfncg&sig2=_lmFDqISPoIG2ek- 0PWFhg&bvm=bv.94455598,d.d24 (slide 4)

QUESTION 76
What are key cost elements that should always be included in a POWER8 proposal?

A. Rack space and DR
B. Staffing and energy
C. Software and hardware
D. RAS and financing

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Of course, you need to include the software and hardware implications of Power8 in the proposal so the customers can understand the performance of Power8 in hardware and software environment.

Reference:

http://public.dhe.ibm.com/common/ssi/ecm/po/en/pob03046usen/POB03046USEN.PDF

QUESTION 77
Which P0WER8 RAS feature is available on all Scale-out and Enterprise systems?

A. Dual System Clocks
B. Hot Plug PCIe adapters
C. CoD cores
D. DualFSPs

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

Explanation:
Take a look at the following ras features:
Reference:http://www-03.ibm.com/systems/power/hardware/s824/specs.html

QUESTION 78
A customer has an E870 and is installing IBM software products in a Red Hat partition.

What PVU will the customer be charged per core?

A. 70PVUs
B. 100PVUS
C. 120PVUs
D. 80PVUs

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 79
PowerVM Enterprise Edition provides which availability function?

A. High availability failover
B. Live Application Mobility incase of a system failure
C. Policy based workload relocation
D. Live Partition Mobility

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
The Live Partition Mobility function offered on POWER6 technology-based systems is designed to enable the migration of an entire logical partition from one system to another. Live Partition Mobility uses a simple and automated procedure that transfers the configuration from source to destination without disrupting the hosted applications or the setup of the operating system and applications.

Live Partition Mobility provides the administrator a greater control over the usage of resources in the data center. It allows a level of reconfiguration that in the past\ was not possible because of complexity or just because of SLAs that do not allow an application to be stopped for an architectural change.

Reference:

http://www.redbooks.ibm.com/redbooks/pdfs/sg247460.pdf

QUESTION 80
A customer purchased a new POWER8 Scale-out server and wants three years of 24 by 7 hardware. Which option satisfies this request?

A. Upgrade from one year 9 by 5 to 24 by 7 and one year to a three year warranty extension.
B. Upgrade from one year 24 by 7 to three years.
C. The standard 24 by 7 warranty for three years
D. Upgrade from standard three years 9 by 5 to 24 by 7.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 81
Which RAS feature is available on both the Scale-out and Enterprise systems?

A. CoD memory and cores
B. CAPI
C. Redundant power supplies
D. Redundant FSPs

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation: The Redundant power supplies are available for both scale-out and enterprise systems.

QUESTION 82
A customer is implementing a new mission critical SAP landscape and requires a Power system with the highest level of RAS support.

Which of the following will satisfy the requirement?

A. Any POWER8 system

B. E870 or E880

C. E880 only

D. S824, E870, or E880

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation: Power8 system provides highest level of RAS support. Therefore, a Power system will be able to manage mission critical SAP landscape.

QUESTION 83
A customer is currently booting a 770 with internal storage, and wants to maintain a local boot option on an E870.

What local boot option is valid for the E870?

A. Storage on the SAN

B. Storage in the disk expansion drawer

C. Storage in the System Control Unit

D. Storage in the CEC

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation: The local boot option for E870 is storage in the CEC.